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February 5, 2021

Ms. Jennifer Hughes
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Merrimack Valley Planning Commission
160 Main Street
Haverhill, Massachusetts 01830

Mr. Andrew Port, Director
Office of Planning and Development
City of Newburyport
60 Pleasant Street
Newburyport, Massachusetts 01950

Subject: **Phase I Environmental Site Assessment - Brown School**
42 Milk Street, Newburyport, Massachusetts

Dear Ms. Hughes and Mr. Port:

Enclosed is a copy of the Phase I Environmental Site Assessment (ESA) completed for the above referenced property (the Site). This Phase I ESA was completed in accordance with ASTM International (ASTM) Standard Practice E 1527-13 and the Environmental Protection Agency (EPA) Standards and Practices for All Appropriate Inquiries (AAI); Final Rule (40 CFR Part 312) for Phase I ESAs. This Phase I ESA identified two (2) recognized environmental conditions (REC) and three (3) environmental findings.

Please do not hesitate to contact me at (207) 828-1272 ext. 30 if you have any questions.

Sincerely,
CREDERE ASSOCIATES, LLC

Richard Vandenberg, PG, LG
Senior Project Manager/QC Manager

Cc: Mr. Andrew Port, Office of Planning and Development, Newburyport
Ms. Chris Lombard, U.S. EPA
Ms. Joanne Fagan, MassDEP Brownfields

Enclosure: Phase I ESA

CREDERE ASSOCIATES, LLC
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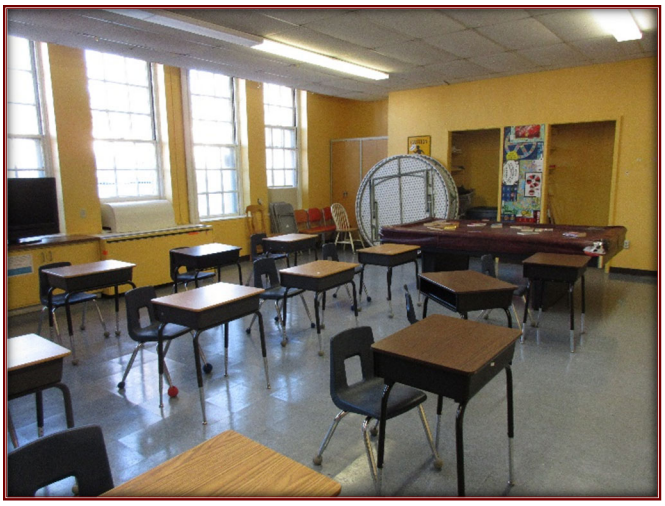
Phase I Environmental Site Assessment

Brown School
42 Milk Street
Newburyport, Massachusetts

Prepared for and Funded by:
Merrimack Valley Planning Commission
EPA Brownfields RLF: BF96109001
160 Main Street
Haverhill, Massachusetts 01830



On Behalf of:
The Town of Newburyport
60 Pleasant Street
Newburyport, Massachusetts

February 5, 2021

In Reference to:
Project No. 16001377

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EXECUTIVE SUMMARY

Credere Associates, LLC (Credere) has performed a Phase I Environmental Site Assessment (ESA) of the Brown School property located at 42 Milk Street in the City of Newburyport, Essex County, Massachusetts, (Site) in conformance with the ASTM International (ASTM) Standard Practice E 1527-13 for Phase I ESAs, which meets the requirements of the U.S. Environmental Protection Agency (EPA) Standards and Practices for All Appropriate Inquiries (AAI); Final Rule (40 CFR Part 312).

Credere was retained by the Merrimack Valley Planning Commission (MVPC) on behalf of the City of Newburyport (User) to prepare this Phase I ESA using revolved monies from their EPA Brownfields RLF BF96109001.

The 1.21-acre Site is situated within the residentially zoned area of the City. The land consists of two separate lots (Lot 26 and Lot 3). Lot 26 is improved with one approximate 37,000-square foot Site building, known as the Brown Elementary School, a paved parking area, a paved recess area, and a play area. Lot 3 is improved with a paved basktball court and is part of the recess area. The Site is accessed from Milk Street to the north, Lime Street to the west, and Prospect Street to the south.

The Brown School Site building comprises a school with two additions. The northern portion of the Site building consists of the original 1923 U-shaped building and a 1978 addition, which infilled the courtyard of the original building to create a rectangle. The first floor consists of mostly administrative spaces, a kitchen, and the art rooms. The second and third floors consist of classrooms. The southern portion of the Site building consists of the original 1923 boiler room and a circa 1961 gymnasium addition. The Site building is currently occupied by Newburyport City Youth Services on the first floor while the second and third floors are no longer in use.

Historical records reviewed during this Phase I ESA indicated that by 1890 both Site parcels were developed as part of a residential neighborhood with multiple dwellings. On Lot 3, a hot house had been constructed. In the early 1900s, the hot house was removed, and a duplex was built in its place. In 1922, the City of Newburyport seized the dwellings on Lot 26 through eminent domain, and they were torn down. In 1923, the George W. Brown Elementary School was constructed. The original building was an elongated U-shape with the boiler room extending off the back. By 1961, the gymnasium complex was added southwest of the original building. By 1978, a second addition was constructed at the front of the school, which infilled the open space at the front of the Site building. By this time, the duplex dwelling on Lot 3 had been acquired by the City and torn down. Eventually Lot 3 was paved over, and a basketball court was installed for use by children at recess. The Site has stayed in this configuration through to the present day.

Regulatory records reviewed by Credere indicate that a release of No. 2 fuel oil occurred at the Brown School during the weekend of March 24, 2001. It was estimated that approximately 40 gallons of No. 2 fuel oil was released to the boiler room floor from a leaking gauge associated with one of the boilers. It was observed that soil below the concrete floor along the eastern wall was impacted as well as the sediment in a nearby catch basin in the room. ENPRO Services, Inc. conducted site clean-up. In May 2001, sub-slab floor soil sampling was performed and identified

elevated concentrations of petroleum constituents in the soils. In July/August 2001, 83.95 tons of contaminated soil was excavated from below the boiler room floor, just outside the boiler room foundation, and adjacent to the above-mentioned catch basin. A permanent solution was achieved; however, concentrations were not reduced to background during the cleanup indicating a high risk that any future work in this area of the Site could impact residual contamination leading to management of contaminated soil and/or Massachusetts Department of Environmental Protection (MassDEP) notifications.

Site reconnaissance identified the presence of an existing No. 2 fuel oil tank in service at the Site to provide oil to the boilers. Credere interviewed Mr. Michael Bartlett, Facilities Manager for the City of Newburyport, and he was able to confirm the existence of an in-use underground storage tank (UST). However, the age of the tank remains unknown age. Credere could not find any registration information for this current tank. Further, in an interview with the Newburyport Deputy Fire Chief, Steve Bradbury, was able to provide information about the removal and replacement of a 7,000-gallon No. 2 fuel oil UST in 1959 and documentation of an 8,000-gallon UST at the Site in 1985. It is not clear if the referenced 1985 UST is the tank currently in-use at the Site. However, it is clear that there has been a long history of storage of petroleum in USTs at the Site.

Based on review of historical sources, environmental databases, interviews, User provided information, Site reconnaissance, and judgment by the Environmental Professional; the following recognized environmental conditions (REC) have been identified in connection with the Site:

- REC #1 – Residual petroleum impacted soil from a historical release
- REC #2 – Long history of storage of petroleum in USTs and threat of release associated with the current tank

The following environmental findings, which do not meet the definition of a REC, controlled REC (CREC), or *de minimis* condition (DMC), but warrant the opinion of an environmental professional and may represent some degree of business environmental risk, were identified:

- Environmental Finding #1 – Confirmed presence of asbestos-containing materials (ACM) in/on the Site building
- Environmental Finding #2 – Suspected presence of lead paint in/on the Site building
- Environmental Finding #3 – Suspected presence of polychlorinated biphenyl (PCB)-containing building materials in/on the Site building

Based on the identified RECs and environmental findings, Credere recommends the following:

- A Phase II Environmental Site Assessment to aide in the redevelopment planning of the Site including the following:
    - A full Hazardous Building Materials Survey (HBMS) of Site buildings to aide in the redevelopment planning of the Site
    - An assessment of the soil and groundwater in the vicinity of the existing UST

1. INTRODUCTION

Credere Associates, LLC (Credere) has performed a Phase I Environmental Site Assessment (ESA) of the Brown School property located at 42 Milk Street in the City of Newburyport, Essex County, Massachusetts, (Site) to identify recognized environmental conditions (RECs)[1] in connection with the Site. Funding for this work was provided using revolved monies from Merrimack Valley Planning Commission's (MVPC) U.S. Environmental Protection Agency (EPA) Brownfields Revolving Loan Fund (RLF) BF96109001. This Phase I ESA was completed in conformance with the ASTM International (ASTM) Standard Practice E 1527-13 for Phase I ESAs, which meets the requirements of the EPA Standards and Practices for All Appropriate Inquiries (AAI); Final Rule (40 CFR Part 312). Credere staff's qualifications to perform this Phase I ESA are provided in **Appendix A**.

Appendix B contains a description of Credere's Scope of Work for Phase I ESAs, which can be divided into the following broad categories; Records Review, Site Reconnaissance, Interviews, and Reporting. However, the following report is subdivided further so that it generally conforms to the recommended report format provided in ASTM Practice E 1527-13. Additionally, this Phase I ESA was completed according to Credere's November 22, 2017, contract with MVPC to perform Brownfields assessment work.

1.1 LIMITING CONDITIONS AND DEVIATIONS

According to ASTM E 1527-13 Section 12.10, all limiting conditions and deviations from this practice shall be listed individually in detail. No client-imposed limitations or deviations were encountered during this Phase I ESA. Limitations or deviations relating specifically to the completion of the Site reconnaissance, if any, are provided in **Section 6.2**.

1.2 ASTM NON-SCOPE CONSIDERATIONS[2]

According to ASTM E 1527-13, the following is a partial list of items not typically assessed during a Phase I ESA:

- Asbestos-containing materials (ACM)
- Endangered species
- Radon
- Regulatory compliance
- Indoor air quality unrelated to RECs identified herein
- Wetlands
- Lead paint
- Lead in drinking water
- Mold
- Polychlorinated biphenyl (PCB)-containing materials (other than electric or hydraulic equipment)

[1] A *Recognized Environmental Condition* - the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to the 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. *De minimis* conditions are not recognized environmental conditions.

[2] According to ASTM E 1527-13 Section 13, there may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice.

This Phase I ESA included the following non-scope considerations:

- ACM
- Lead paint
- PCB-containing materials (other than electric or hydraulic equipment)

Discussion of these non-scope items is included in **Section 8**.

1.3 UNCERTAINTY AND COMPLETENESS

No Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a Site. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with the Site, and this practice recognizes reasonable limits of time and cost. To the extent possible, this Phase I ESA presents a concise summary that qualitatively identifies potential environmental liability and provides Credere's professional opinions relative to the identified RECs (if any) so that informed business decisions may be made regarding the Site.

If the findings from this Phase I ESA indicate or reasonably imply that environmentally regulated materials are affecting the Site, then the need for additional testing to evaluate the scope, location, source, and nature of any release or threat of release can be included as a recommendation. In contrast, the Phase I ESA may also conclude that the likelihood of environmental problems is not significant and that there is no evidence of RECs in connection with the Site.

1.4 WARRANTY DISCLAIMER

This report has been prepared as part of an agreement between Credere and the Client. This agreement was established in order to provide the Client and User with information upon which they can rely concerning the existence or likely existence of various environmental contaminants on or adjacent to the Site. Third parties (including subsequents, assigns, lenders, parties other than the Users identified herein) may not rely on any aspect of this Phase I ESA without written approval from Credere.

The report does not provide enough information to unequivocally determine that no oil or hazardous material contamination is present at the Site. Additional work beyond that completed for this study would be necessary to provide such information. Further, this report is not an audit for regulatory compliance or a detailed condition survey for the presence of asbestos, lead-paint, PCBs, radon, or any other pollutant specific compound unless specifically requested.

Our conclusions regarding the Site are based on Credere's interpretation of the Site's historical land use, and observations of the existing Site conditions during our Site reconnaissance. The results of this study must be qualified in that no borings, soil or groundwater sampling or chemical testing was conducted as part of this study. Therefore, our conclusions regarding the condition of the Site do not represent a warranty that the Site, adjacent properties, etc., are of the same quality as may be inferred from observable property conditions and reasonably ascertainable property historical files.

1.5 SIGNIFICANT ASSUMPTIONS

Credere relied upon the sources identified in the **Appendix B** Scope of Work to complete this Phase I ESA. It is the assumption these sources are true, and information provided to Credere has not been falsified or altered in anyway. No conflicting information was encountered (unless otherwise specified herein) and the validity of the sources was not questioned.

Based on mapped topography and the location of the nearest surface water body, groundwater at the Site is presumed to flow to the north/northeast toward the Merrimack River. Therefore, review of nearby property records focused on properties to the west, southwest, and south, as they are considered hydraulically upgradient of the Site.

1.6 SPECIAL TERMS AND CONDITIONS

No special terms or conditions were imposed upon the scope of work of this Phase I ESA.

2. USER PROVIDED INFORMATION

In accordance with ASTM E 1527-13 Section 6, the User of this report was interviewed concerning their responsibilities. The City representative Mr. Andrew Port, Director of Planning & Development, was identified as the User of this Phase I ESA. Mr. Port completed the User Questionnaire, and a copy of the completed form is included in **Appendix C**. Responses from Mr. Port are provided in the subsections below.

2.1 REASON FOR PERFORMING PHASE I ESA

The City has care and custody of the Site, which was deemed surplus by the Newburyport School Department several years ago. Since that time, the City has conducted several adaptive reuse feasibility studies and one Request for Proposal (RFP) for reuse proposals. At this time, the City is contemplating continued use of the first floor by the Newburyport Youth Services Department and reuse of upper floors for housing.

2.2 SPECIALIZED KNOWLEDGE

Mr. Port indicated the City's Facilities Manager, Mr. Mike Bartlett, and the Director of Facilities for Newburyport Public Schools, Mr. Steve Bergholm, would be able to provide any available specialized knowledge. Interviews with these individuals are summarized in **Section 7**.

2.3 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Mr. Port provided historical documents for review, which are discussed in **Section 4** indicating that he was aware of certain prior environmental issues at the Site.

2.4 TITLE RECORDS

A chain of title search was not performed by the User Representative. Ownership information as reviewed by Credere during the records review is discussed in **Section 5.2**.

2.5 ENVIRONMENTAL LIENS OR ACTIVITY USE LIMITATIONS

A third party, such as a state or federal governmental agency, may place environmental liens on a property in order to recover clean-up costs that were incurred by the party, which is an indication environmental conditions either currently exist or previously existed on a property. Activity and use limitations (AULs) for a property may be placed on the property's deed to prevent exposure to hazardous or contaminated materials and are also an indicator of potential environmental concerns.

An environmental lien search was not conducted by the Users; however, no environmental liens or AULs were identified in the ownership or regulatory records reviewed by Credere for the Site.

2.6 REDUCTION OF VALUATION FOR ENVIRONMENTAL ISSUES

As the Site is not the subject of a property transaction, the reduction of valuation for environmental issues is not applicable.

3. SITE DESCRIPTION

3.1 SITE LOCATION AND LEGAL DESCRIPTION

Parcel Identification:	Map 21, Lots 26 and 3
Site Owner(s):	City of Newburyport
Site Occupants:	City of Newburyport Youth Services
Site Location:	42 Milk Street and 99-101 Prospect Street, Newburyport, Massachusetts
Zoning:	R2 – Residential 2
County:	Essex County
USGS 7.5 Minute Quadrangle:	Newburyport East, 7.5 Minute Quadrangle
Latitude and Longitude:	42.8059340° Lat., -70.8646050° Long.

Copies of the City assessor's card and tax map have been included with the other supporting documentation in **Appendix G**.

3.2 SITE DESCRIPTION AND OPERATIONS

The 1.21-acre Site is situated within the residentially zoned area of the City. The land consists of two separate lots (Lot 26 and Lot 3). Lot 26 is improved with one approximate 37,000-square foot Site building, known as the Brown Elementary School, a paved parking area, paved recess area, and a play area. Lot 3 is improved with a paved basktball court and is part of the recess area. The Site is accessed from Milk Street to the north, Lime Street to the west, and Prospect Street to the south.

A Site Location Plan has been provided as **Figure 1**, and pertinent Site details are depicted on **Figure 2**. A copy of the Site dimensions as provided by the City is included in **Appendix G**.

3.3 SITE UTILITIES

The electricity for the Site is currently provided from National Grid. Municipal water and wastewater service are provided by the City. Fuel for heating the Site building is No. 2 Fuel Oil that is stored in an on-site underground storage tank (UST). The heat system is pneumatically controlled forced hot water.

3.4 PHYSICAL SETTING

Topography

According to the United States Geological Survey (USGS) topographic map of the Newburyport East Quadrangle, Massachusetts, topography at the Site slopes slightly to the north/northeast towards the Merrimack River. Credere contracted Environmental Database Report (EDR) of Shelton, Connecticut, to conduct a database search for the Site and surrounding area. According to the EDR report, a U.S. Department of Agriculture's Soil Conservation Service National

Cooperative Survey identified the Site as located 35 feet above mean sea level. A Site Location Plan with topographic contours has been included as **Figure 1**.

Geology

Surficial Geology

According to the EDR report, Site soils on the Site are mapped as Merrimack soils, which typically consist of somewhat excessively draining, fine sandy loam with high infiltration rates.

Bedrock Geology

According to the USGS Bedrock Geologic Map of Massachusetts, the Site is underlain by the Silurian or Ordovician-aged Newburyport Complex, which is comprised of gray, medium grained tonalite and granodiorite. No bedrock outcrops were observed at the Site.

Hydrology

The Site is located within the surficial drainage basin of the Merrimack River, located approximately 1,800 feet northeast of the Site. The Merrimack River flows east 2.5 miles before entering the Atlantic Ocean.

Stormwater likely infiltrates the permeable non-paved portions of the Site. Several storm drains were observed at the Site. Stormwater likely flows over impermeable surfaces to permeable surfaces or to nearby storm drains.

Based on mapped topography and the location of the nearest surface water body, groundwater at the Site is presumed to flow to the north/northeast toward the Merrimack River. Therefore, review of nearby property records focused on properties to the west, southwest, and south, as they are considered hydraulically upgradient of the Site.

4. PRIOR ENVIRONMENTAL DOCUMENTS

The following prior environmental documents associated with the Site were reviewed. The reports were provided both by the User and the MassDEP online database and are summarized below with copies included in **Appendix D**.

AHERA Asbestos Management Plan, 1988, Universal Engineering Corporation

In 1988, an Initial Asbestos Inspection was performed at the Brown School to comply with the 1986 Asbestos Hazard Emergency Response Act (AHERA) amendment to the Toxic Substance Control Act which requires all school buildings be visually inspected and suspected materials be sampled or assumed to be asbestos-containing. It also requires a management plan to be created and updated to provide the means and methods to effectively handle asbestos-containing building materials (ACBM).

The following ACBM were identified during the 1988 work:

- Floor Tile #1 (brown patterned linoleum)
- Boiler Insulation
- Tank Insulation (preformed)
- Pipe Insulation (paper type)
- Joint Insulation

The following materials were assumed to be asbestos-containing:

- Vinyl base board

The following non-asbestos materials were identified:

- Acoustical Tile #1
- Suspended Acoustical Tile #1
- Suspended Acoustical Tile #2
- Plaster

It was estimated that 800 square feet (sf) and 907 linear feet (lf) of thermal system insulation ACM and 12,850 sf and 4,200 lf of miscellaneous ACM was located within the school.

AHERA 3-Year Re-Inspection Report, August 18, 1998, Smith & Wessel Associates, Inc.

In 1998, a 3-Year Re-Inspection of the Brown School was performed to comply with AHERA. All the ACBM identified in the 1988 Initial Management Plan were reinspected, and twelve additional suspect ACBMs were identified and tested.

The following additional ACM were identified:

- Condensate sink mastic
- Mastic underlying brown baseboard molding
- Mastic underlying beige baseboard molding
- Duct insulation

- Mastic underlying 12" x 12" ceiling tiles
- Rolled paper pipe insulation

The following additional materials were assumed to be ACM:

- Orange stair treads and associated mastic
- 9" x 9" floor tile and associates mastic
- Kiln insulation

The following additional non-asbestos materials were identified:

- Gypsum wallboard/joint compound wall system
- 12" x 12" tan speckled floor tile and associated mastic
- Brown cove base molding
- Tan cove base molding
- 12" x 12" ceiling tiles

Immediate Response Action Plan, May 2001, ENPRO Services, Inc.

In May 2001, ENPRO Services Inc. (ENPRO) prepared an Immediate Response Action (IRA) Plan to address a release of No. 2 fuel oil to the boiler room floor that occurred over the weekend of March 24, 2001. It was estimated that approximately 40 gallons of No. 2 fuel oil was released from a gauge associated with one of the onsite boilers. Following the initial cleanup, it was assessed that soils below the concrete floor along the eastern wall were impacted as well as sediment in nearby catch basin in the room.

ENPRO personnel cored seven (7) holes through the concrete floor and collected samples. Analytical results indicated elevated concentrations of petroleum constituents, EPH/VPH fractions, in the oil-impacted areas which included below the floor adjacent extending to just outside the foundation wall.

Based on the Site conditions noted, the IRA Plan included following elements:

- Soil with TPH and/or EPH/VPH concentrations, which exceed applicable MCP cleanup standards should be excavated and field screened. When field screening indicates that soils exceeding applicable petroleum hydrocarbon cleanup standards have been excavated, confirmatory samples will be collected. Samples would be analyzed for TPH and/or EPH/VPH. All excavated soil would be transported off-site for proper disposal and/or recycling.
- If groundwater was encountered during soil removal, a water sample would be collected from the excavation and analyzed for TPH and/pr EPH/VPH.
- Upon completion of the IRA, MCP-required reporting would be completed. If site conditions warranted, a Response Action Outcome Statement would be submitted, otherwise, an Immediate Response Action Completion Statement would be submitted. IRA Status Reports would also be submitted as required.

Class A-2 Response Action Outcome Statement and Immediate Response Action Completion Statement, November 2001, ENPRO Services, Inc.

Throughout July and August 2001 ENPRO completed the activities detailed in the IRA Plan and excavated 83.95 tons of petroleum impacted soil from the Site. Based on results of laboratory analysis and the extent of response actions completed, a Class A-2 Response Action Outcome (RAO) was achieved indicating the following:

- Contamination concentrations in the areas of the Site impacted by the oil release were reduced to a condition of no significant risk of harm to health, public welfare, safety, and the environment.
- Concentrations of oil constituents were not reduced to background concentrations indicating that residual concentrations of oil are present at the Site.
- No AUL was required to be issued to maintain the condition of No Significant Risk.

It is Credere's opinion that based on how the cleanup verification sampling was conducted (some composite samples) and how the soil contamination was cleaned up, ie. Under a slab and in and around the foundation, there is a high risk that some of these residuals may exceed applicable Massachusetts soil standards.

AHERA 3-Year Re-Inspection Report, April 22, 2004, Smith & Wessel Associates, Inc.

In 2004, a 3-Year Re-Inspection of the Brown School was performed to comply with AHERA. All the materials identified in the 1988 initial Management Plan and the 1998 3-Year Re-Inspection were reinspected. No additional materials were sampled or identified.

AHERA 3-Year Re-Inspection Report, May 3, 2007, Smith & Wessel Associates, Inc.

In 2007 a 3-Year Re-Inspection of the Brown School was performed to comply with AHERA. All the materials identified in the 1988 initial Management Plan, the 1998 and 2004 3-Year Re-Inspections were reinspected. No additional materials were sampled. During the re-inspection it was noted that the original linoleum was covered with plywood in Rooms 24, 30, 36, and 37.

AHERA 3-Year Re-Inspection Report, August 26, 2010, Smith & Wessel Associates, Inc.

In 2010 a 3-Year Re-Inspection of the Brown School was performed to comply with AHERA. All the materials identified in the 1988 initial Management Plan, the 1998, 2004, ad 2007 3-Year Re-Inspections were reinspected. No additional materials were sampled. During the re-inspection it was noted that the kiln insulation, presumed to be ACM and previously located in the art room, was removed from the Site building.

5. RECORDS REVIEW

Files obtained from the City and online from the Massachusetts Department of Environmental Protection (MassDEP) and EPA were reviewed for information concerning incidents involving releases of petroleum and/or hazardous substances at the Site and vicinity. In addition, Credere contracted EDR of Shelton, Connecticut, to conduct a database search for the Site and surrounding area in accordance with ASTM's approximate minimum search distance guidelines for identification of potential environmental impacts that could affect the Site. This research should not be considered inclusive of all regulatory records, but only those records that were readily available and practically reviewable.

EDR's report is included as **Appendix E,** with additional supporting documentation included as **Appendix G**.

5.1 HISTORICAL RECORDS

The ASTM standard for Phase I ESAs requires historical records be searched for information on the Site dating back to the Site's earliest development or 1940, whichever is earliest, based on available documentation. These sources as defined by ASTM E 1527-13 include historical USGS topographic maps, Sanborn® Fire Insurance Maps (Sanborns), aerial photographs, city directories, and historical atlases. The actual sources reviewed are listed in the subsequent embedded table, and relevant information is summarized in the following paragraphs.

History Summary

Site History

By 1890, both Site parcels were developed as part of a residential neighborhood with multiple dwellings. On Lot 3, a hot house had been constructed. In the early 1900s, the hot house was removed and a duplex was built in its place. In 1922, the City of Newburyport seized the dwellings on Lot 26 through eminent domain, and they were torn down. In 1923, the George W. Brown Elementary School was constructed. The original building was an elongated U-shape with the boiler room extending off the back. By 1961, the gymnasium complex was added southwest of the original building. By 1978, a second addition was constructed at the front of the school which infilled in the open space at the front of the building changing the front of the building to a square shape instead of a U-shape. By this time, the duplex dwelling on Lot 3 had also been acquired by the City and torn down. Eventually Lot 3 was paved over, and a basketball court was installed for use by children at recess. The Site has stayed in this configuration through to the present day.

Surrounding Property History

By 1890, the surrounding area had been extensively developed as a residential neighborhood. This has stayed consistent through to current day.

The following table summarizes information obtained from reasonably ascertainable historical sources:

Year/Historical Source	Significant Land Use	Potential Environmental Concern
1890/Topographic Map	By 1890, the Site and the area are heavily developed as a residential neighborhood with six dwellings existing on Lot 26. On Lot 3 of the Site a hot house has been constructed.	None
1894/Topographic Map		
1894/Sanborn Map		
1900/Sanborn Map		
1906/Sanborn Map	By 1906 the hot house has been removed, and a duplex has been constructed in its place.	
1914/Sanborn Map		
1922/Proposed South End Map		
1924/Sanborn Map	By 1924 the 6 dwellings on Lot 26 have been torn down and the George W. Brown Elementary School has been built. The duplex still exists on Lot 3 The surrounding area continues to be residential.	
1932/Topographic Map		
1934/Topographic Map		
1938/Aerial Photograph		
1943/Topographic Map		
1945/Topographic Map		
1946/Sanborn Map		
1947/Topographic Map		
1952/Aerial Photograph		
1952/Topographic Map		
1960/Aerial Photograph		
1961/Sanborn Map	By 1961, the gymnasium addition has been added on to the School to the south of the original building. Some of the surrounding buildings in the neighborhood have been torn down.	
1961/City Directory		
1965/Aerial Photograph		
1965/City Directory		
1966/Topographic Map		
1968/City Directory		
1973/City Directory		
1977/City Directory		
1978/Aerial Photograph	By 1978, the front addition to fill in the original U-shape of the school had been constructed, leaving the front portion of the school a rectangle shape. The duplex on Lot 3 has been torn down. The surrounding area continues to be residential	
1979/Topographic Map		
1982/City Directory		
1985/Topographic Map		
1986/Aerial Photograph		
1987/Topographic Map		
1987/City Directory		
1992/City Directory		
1995/Aerial Photograph		
1995/City Directory		
2000/City Directory		
2005/City Directory		
2008/Aerial Photograph		

Year/Historical Source	Significant Land Use	Potential Environmental Concern
2010/City Directory		
2012/Aerial Photograph		
2012/Topographic Map		
2014/City Directory		
2016/Aerial Photograph		
2017/City Directory		

5.2 OWNERSHIP RECORDS

Ownership records were examined online at the Southern Essex District Registry of Deeds website. The table below shows the reverse chronology of known ownership history for the Site:

Reverse Chronology of Site Ownership			
Map 21, Lot 26			
The current Site parcel boundary for Lot 26 was established in 1923, prior to that this Site parcel was composed of 4 separate parcels.			
Grantor	**Grantee**	**Date**	**Book/Page**
75 Lime Street			
Mary Donahue	City of Newburyport	January 4, 1923	2543/268
Daniel J. Donahue	Mary Donahue	Property was inherited through the Death of Daniel J. Donahue 2473/8	
Newburyport Institution for Savings	Daniel J. Donahue	June 29, 1917	2371/263
Harriet M. Smith	Newburyport Institution for Savings	June 30, 1909	1974/166
71 Lime Street			
Michael F. Quill	City of Newburyport	March 19, 1923	2547/26
Ellen E. Quill	Michael F. Quill	October 23, 1917	2389/424
Estate of Florence Quill	Ellen E. Quill	October 23, 1917	2389/423
Ezra Lunt Margaret Coates Thomas C. Simpson	Florence Quill	January 21, 1907	1858/355
William H. Lunt	Ezra Lunt Margaret Coates Thomas C. Simpson	Property was inherited through the death of William H. Lunt	
Edward W. Lunt	William H. Lunt	March 17, 1863	883/37
William H. Johnson	Sarah C. Lunt & Edward W. Lunt	March 16, 1863	648/263
Edward W. Lunt	William H. Johnson	March 16, 1863	648/262
42 Milk Street			
Augustus A. Gray & Florence A. Gray	City of Newburyport	January 24, 1923	2542/466

Albert A. Titcomb & Carrie L. Titcomb	Augustus A. Gray & Florence A. Gray	May 31, 1919	2415/196
James Y. Noyes	Albert A. Titcomb & Carrie L. Titcomb	May 1, 1918	2391/244
Abby P. Noyes	James Y. Noyes	August 17, 1888	1230/548
Abigail Young	Abby P. Noyes	Property was inherited through the death of Abigail Young	
Edward Perkins & Albert C. Titcomb	Abigail Young	October 23, 1883	1118/222
It was unable to be determined how the property passed from William Graves to Edward Perkins & Albert Titcomb			
Joseph Tappan & Patience Tappan	William Graves	November 9, 1835	285/204
46 Milk Street			
Patrick J. O'Neil	City of Newburyport	January 22, 1923	2543/306
Map 21, Lot 3			
Grantor	**Grantee**	**Date**	**Book/Page**
Joppa Trust	City of Newburyport	December 12, 1973	6034/43
Adolf J. Saulnier & Mabel E. Saulnier	Joppa Trust	January 25, 1972	5839/533
Frank A. Robinson & June F. Robinson	Adolf J. Saulnier & Mabel E. Saulnier	May 5, 1970	5681/511
Stanley J. Sielicki	Frank E. Robinson & June F. Robinson	August 14, 1968	5551/35
Feliks Sielicki	Stanley J. Sielicki	November 5, 1961	3857/330
Sam Trebach & Annie Trebach	Feliks Sielicki	July 5, 1923	2560/139
Charles F. Fullford	Sam Trebach & Annie Trebach	July 3, 1923	2560/113
Mary O. Haskell	Charles F. Fullford	November 2, 1922	2537/33
Jere B. Lunt	Mary O. Haskell	April 22, 1920	2446/225
Ida M. Jacques	Jere B. Lunt	May 4, 1905	1794/472
Thomas W. Goodwin	Ida M. Jacques	Property was inherited through the death of her father Thomas W. Goodwin	
Sarah G. Jones	Thomas W. Goodwin	January 11, 1878	990/37
David Haskell Sr.	Sarah G. Jones	Property was inherited the property at the death of her father David Haskell Jr. who inherited the property at the death of his father David Haskell Sr.	
John Dodge Jr.	David Haskell Sr.	February 16, 1816	210/30

5.3 STATE ENVIRONMENTAL REVIEW

The MassDEP maintains online databases, which include information for USTs, reportable releases and waste sites, and solid waste facilities. The following sections provide the results of the MassDEP's database search for the Site and surrounding area. Applicable portions of state databases/lists have been included in **Appendix G** to supplement the EDR report, which is included in **Appendix E**.

Underground and Aboveground Storage Tank Listings

ASTM E 1527-13 requires the identification of USTs and ASTs located at the Site or on adjoining properties. Based on Credere's review of the EDR report and the MassDEP online database, no USTs were identified at the Site or on any adjoining properties.

Although no documentation was identified regarding USTs at the Site, evidence of an existing No. 2 fuel oil UST was observed during the Site reconnaissance (**Section 6**) and was confirmed in the Key Site Manager Interview (**Section 7.1**). Additional USTs were also identified during the interview of the Fire Department (**Section 7.2**).

State Release Files, Leaking AST (LAST), and Leaking UST (LUST) Sites

The MassDEP maintains a database of reportable releases and waste sites that are assigned individual release tracking numbers (RTNs). EDR reports these RTNs as State Hazardous Waste Site (SHWS) listings. Properties in this database have had documented releases of petroleum or hazardous materials including surficial spills and releases from registered USTs, associated piping, or underground piping from ASTs that are regulated under the 310 Code of Massachusetts Regulations (CMR) 40.00 of the MCP. Credere reviewed RTNs for the Site and adjacent properties, as well as identified significant releases within a 0.5-mile approximate minimum search distance of the Site to assess if any threat to the Site is present.

EDR identified 54 SHWS within the 1.0-mile approximate minimum search distance of the Site, with 7 LUST and 3 LAST listings within the 0.5-mile approximate minimum search distance from the Site. Most of the listings were either located hydraulically cross-gradient, downgradient, or occurred at a significant distance from the Site; therefore, present a low risk of impacting the environmental media at the Site. The listings that are interpreted to have the potential to impact the Site are summarized below:

Location	RTNs	Significance
Brown School 42 Milk Street	**3-0020517**	**Over the weekend of March 24, 2001, a gauge on a furnace began to leak and it was noted on Monday March 26, 2001. In July/August 2001, 83.95 cubic tons of contaminated soil was excavated from below the boiler room floor and from just outside the boiler room foundation, and adjacent to the above-mentioned catch basin. A permanent solution was achieved; however, concentrations were not reduced to background during the cleanup indicating a high risk that any future work in this area of the Site could impact residual contamination leading to management of contaminated soil and/or Massachusetts Department of Environmental Protection (MassDEP) notifications. More information is discussed in Section 4.**

Bold – indicates the Site

Solid Waste Facilities

The MassDEP maintains a listing of currently licensed and closed solid waste facilities. No solid waste facilities were identified at the Site; and the EDR report did not identify any solid waste facility within the 0.5-mile minimum search distance from the Site.

5.4 FEDERAL ENVIRONMENTAL REVIEW

The EPA maintains a number of databases that track properties and facilities, which are regulated under Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), the Emergency Response Notification System (ERNS), the Federal Institutional Control/Engineering Control (IC/EC) database and received EPA Brownfields funding. EDR included a search of the above listed ASTM required Federal databases for records within specified approximate minimum search distances. Results are summarized in the paragraphs below:

CERCLA Sites

CERCLA, or Superfund, is a federally established program to identify uncontrolled or abandoned hazardous waste properties for remediation. The Superfund Enterprise Management System (SEMS) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. These types of properties are defined below:

- National Priority List (NPL) sites are those that the EPA has determined require further assessment, monitoring, or remediation according to the National Contingency Plan (NCP) to address known or threatened releases of hazardous substances, pollutants, or contaminants.
    - NPL long-term clean-up properties are sites where continued response actions or monitoring are required to reduce human and environmental exposures that are not immediately life threatening.
    - NPL sites that require an immediate response, are considered short-term cleanups, or "removal actions." Although the cleanup process for these properties may not be as lengthy as for long-term cleanups, these properties may still affect the health and environment of those who live nearby.
- Delisted NPL properties are those where no further response is appropriate under the NCP and the property was removed from the NPL.
- Proposed NPL properties have had initial assessments performed, but a decision regarding NPL designation has not been recorded. Proposed NPL properties include those that have been assessed by the Superfund program, are being addressed under state program authorities, or are in various stages of assessment and cleanup by federal or state agencies.
- Federal Facilities are NPL and Base Realignment and Closure (BRAC) sites where the EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.
- The SEMS-Archive is a database of archive designated CERCLA properties that, to the best of the EPA's knowledge, assessment has been completed and the EPA has determined no further steps will be taken to list that property on the NPL unless information indicates the decision was not appropriate, or other considerations require a recommendation for listing at a later time.

No NPL listings were found within the 1-mile approximate minimum search distance of the Site. No proposed NPL, delisted NPL, or federal facilities were identified with the 0.5-mile minimum search distance of the Site.

According to the EDR Report, four (4) SEMS-Archive listings were found within the 0.5-mile search distance from the Site. Three of the listings are located approximately 0.25 miles north at downgradient locations and one listing is located approximately 0.5 miles west at a cross gradient location; therefore, it is Credere's opinion these listings represent a low risk of impacting the environmental media at the Site.

RCRA Sites

Sites listed in the EPA RCRA database are sites that are hazardous waste treatment, storage, and disposal facilities (TSDF), or generate hazardous wastes (i.e., RCRA-Very Small Quantity Generator [VSQG], RCRA-Small Quantity Generator [SQG], RCRA-Large Quantity Generator [LQG], and RCRA-non generators [RCRA-Non-Gen]).

Accidents or improper handling at RCRA facilities can result in the release of hazardous waste or hazardous constituents to the environment. The RCRA Corrective Action program (CORRACT) requires these facilities to conduct investigations and cleanup actions as necessary. Facilities under the CORRACTs program need to implement necessary corrective action as part of the process to obtain a permit to treat, store, or dispose of hazardous waste.

Neither the Site nor adjoining properties are listed as a RCRA generators. No RCRA TSDF facilities are listed within the 0.5-mile approximate minimum search distance of the Site. According to the EDR report, one RCRA CORRACT facility was listed within the 1.0-mile approximate minimum search distance of the Site. However, because this facility is located 1 mile from the Site, it is Credere's opinion that any environmental impacts are unlikely to impact Site media.

ERNS Sites

The ERNS is a database regarding reported petroleum and hazardous substances releases. The ERNS program is a cooperative data sharing effort among the EPA Headquarters, the Department of Transportation (DOT) Research and Special Programs Administration's John A. Volpe National Transportation Systems Center, other DOT program offices, the ten EPA Regions, and the National Response Center (NRC). The primary function of the NRC is to serve as the sole national point of contact for reporting oil, chemical, radiological, and biological discharges into the environment anywhere in the United States and its territories.

According to the EDR report, the Site is not listed on the ERNS database.

Federal IC/EC

The Federal Institutional Control/Engineering Control (Federal IC/EC) is a database of Superfund sites that have either an engineering or institutional control to limit exposure to contamination remaining on a site.

According to the EDR report, the Site is not listed as a Federal IC/EC site.

Brownfields

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. The EPA facilitates a grant funded program for the assessment, cleanup, and redevelopment of brownfields in conjunction with state environmental protection agencies and grantees. The presence of brownfield properties in the vicinity of the Site may indicate there is the potential presence of petroleum or hazardous materials that have been released to the environment in the area.

According to the EDR report, there is one US (Federal) and one State Brownfields property located with the 0.5-mile approximate minimum search distance from the Site.

However, based on the fact that the facility listed as the US Brownfields property is situated 0.5 miles down gradient from the Site, and the facility listed as the State Brownfields property is situated 0.5 miles cross-gradient west from the site, it is Credere's opinion that any environmental impacts are unlikely to impact Site media.

5.5 ENVIRONMENTAL LIENS

A third party, such as a state or federal government agency, may place environmental liens on a property in order to recover clean-up costs that were incurred by that third party. The existence of a recorded environmental clean-up lien on a property is an indication environmental conditions either currently exist or previously existed on a property. The existence of an environmental clean-up lien could be considered an indicator of potential environmental concerns and could be a basis for additional environmental investigations on the Site to determine the potential existence of ongoing or continued releases of petroleum products and/or hazardous substances.

No environment liens were identified by Credere for this Phase I ESA.

5.6 INSTITUTIONAL AND ENGINEERING CONTROLS

Institutional controls or environmental-related covenants (i.e., legal controls) for a property are put in place to minimize the potential for human exposure to existing environmental conditions on that property by limiting land or resource use. Types of institutional controls may be referred to as land-use controls, or activity and use limitations, and these controls may be in the form of deed restrictions, zoning restrictions, building or excavation permits, well drilling prohibitions, easements, or covenants. Engineering controls (i.e.; physical controls) are put in place to prevent access or exposure to contaminated media, or to prevent the migration of contaminated media. Engineering controls typically include, but are not limited to, security features such as fencing, subsurface barriers (e.g., sheet pile or slurry walls), capping or encapsulation systems, or mechanical systems. A property owner wishing to maintain liability protections under state or federal law must comply with any existing land use restrictions and maintain any existing institutional or engineering control employed at the site in connection with a response action.

The local, state, and federal records review for this Phase I ESA, did not identify institutional or engineering controls on the Site.

5.7 VAPOR ENCROACHMENT SCREENING

Credere performed a Vapor Encroachment Screening in accordance with ASTM 2600-15 to identify potential vapor encroachment condition[3] (VEC) in connection with offsite sources of contamination that may threaten the Site. No surrounding listings represent a concern from a vapor intrusion perspective. Regarding residual contamination documented to present onsite, it is Credere's opinion that there is a low risk of vapor intrusion given that the petroleum released was fuel oil, and it does significant concentrations of volatile organic compounds. As such, it is Credere's opinion that the presence of this residual contamination does not represent a vapor encroachment concern. For these reasons, no VEC has been identified. Credere's Vapor Encroachment Screen report is included in **Appendix E**.

5.8 CONSIDERATION OF DATA FAILURE

Data failure is defined as a failure to achieve the historical research objectives of ASTM E 1527-13 after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful dating back to the Site's earliest development or 1940, whichever is earliest.

Data failure has occurred as the date of earliest development of the Site could not be determined. However, the use since that time has been documented, and this data failure is not considered a significant date gap.

[3] According to ASTM E 2600-15, Section 1: *Vapor Encroachment Condition* – the presence or likely presence of chemicals of concern vapors in the sub-surface of the target property caused by the release of vapors from contaminated soil or groundwater either on or near the target property.

6. SITE RECONNAISSANCE

Moira Wentworth and Rick Vandenberg of Credere conducted the Site reconnaissance on January 8, 2021, to obtain information on Site conditions and to identify possible RECs in connection with the Site. During the Site visit, Mr. Andrew Port of the City's Office of Planning and Development, Ms. Jennifer Hughes of the MVPC, and Mr. Michael Bartlett the City's Facilities Manager accompanied Credere during the Site reconnaissance and provided access to the Site building. Photographs taken during the Site reconnaissance visits are included in **Appendix F**. Pertinent Site features are depicted on **Figure 2**.

6.1 METHODOLOGY

The interior Site reconnaissance was performed by walking throughout the Site building. The exterior Site reconnaissance was performed by observing exterior spaces of the Site and walking along the Site boundary. Adjoining properties were observed from the public right-of-ways.

6.2 SITE RECONNAISSANCE LIMITATIONS

The ASTM Standards for Phase I ESAs require the identification of limitations that were encountered that may affect the ability to identify potential RECs on the Site, and to provide an opinion as to the significance of the limitation with regard to the ability to identify potential environmental conditions onsite.

Weather conditions at the time of the January Site reconnaissance consisted of an air temperature of approximately 35° Fahrenheit, with clear skies and sunshine. No snow cover was observed during this visit. Credere was not limited in their ability to identify RECs in connection with the Site with regard to the weather or otherwise.

6.3 GENERAL SITE SETTING

Current Use of the Site

The first floor of the Brown School Site building is currently occupied by the City of Newburyport Youth Services. The second and third floors are vacant.

Current Uses of Adjoining Properties

The following table summarizes observations made regarding surrounding properties:

Adjoining Direction	Property Address	Property Owner/Use	Potential Environmental Observations
North	29 Milk Street	Lesli A Suggs/Residential	None
	31 Milk Street	William N. Koomen/Residential	
	33 Milk Street	Andrew & Maureen Larson/Residential	
	37 Milk Street	Paulette Turco	

Adjoining Direction	Property Address	Property Owner/Use	Potential Environmental Observations
North	39 Milk Street	Newburyport Housing Authority/Residential	None
Northeast	43 Milk Street	Daniel Joseph Dearborn/Residential	
East	48-50 Milk Street	John Robert Wesley Pear/Residential	
	52 Milk Street	William & Roxanne Doherty/Residential	
South	105 Prospect Street	Jo-Ann Barbour/Residential	
	103 Prospect Street	Henry, Marjorie & Peter Martin/Residential	
	86-88 Prospect Street	Gary Karelis Trust/Residential	
	82 Prospect Street	Lucia Parker/Residential	
	95 Prospect Street	Robert & Tracy/Residential	
	77 Lime Street	Thomas & Kathleen Droste/Residential	
West	72 Lime Street	Rory Thomas Nolan/Residential	
	70 Lime Street	Jennifer Ross, Residential	
	68 Lime Street	Katherine Collamore/Residential	
	66 Lime Street	David & Ann Marks/Residential	
	64 Lime Street	Maria Sterk/Residential	

6.4 INTERIOR OBSERVATIONS

The interior of the Site building on Lot 26 was observed for evidence of RECs. The Site building consists of a typical school building with two additions. The northern portion of the Site building consists of the original circa 1923 U-shaped building and a 1978 addition, which infilled the original front-facing courtyard to create a rectangle/flat front building. The 1923 Site building was constructed with interior plaster walls set on a concrete foundation with a brick façade. The 1978 addition is also set on a concrete foundation and has drywall walls and a brick and façade. The floors through are finished with a combination of floor tiles, linoleum, and wood. The first floor consists of mostly administrative spaces, a kitchen, and the art rooms, and the second and third floors consists of classrooms.

The southern portion of the Site building consists of the original 1923 boiler room and a circa 1961 gymnasium addition. The boiler room has concrete walls, ceiling, and floor approximately 8 to 10 feet below grade and is the lowest room in the Site building. Concrete pads of a former, unknown use are located in the room as well as multiple tanks and boilers, some of which are currently in use and some are no longer in use. The floor appears to be free of major cracks or staining. Several floor drains were observed, which are reported to be connected to the City sewer system. The 1961 addition has a combination of wood, floor tile, and ceramic tile floor and predominantly CMU block walls with a brick exterior façade.

Two out of service hydraulic elevators are located in the original portion of the Site building. The piston could not be inspected, but the hydraulic tank in the adjacent closet was accessible and showed no evidence of a release.

Currently, the second and third floors of the building are not in use. In general, only a portion of the first floor, mainly the gymnasium and select offices, are in use by the City Youth Services.

Credere did not observe evidence of the following during the interior reconnaissance:

- Hazardous substances or petroleum unassociated with identified uses
- Hazardous substances or petroleum connected to identified use
- Strong, pungent, or noxious odors
- Staining or corrosion
- Pools of liquid
- Drums
- Unidentified substance containers

6.5 EXTERIOR OBSERVATIONS

The exterior portion of the Site includes asphalt parking to the north and west of the Site building and an asphalt recess play area and wood chip jungle gym area east of the Site building. The original Site building was noted to have a flat roof while the gymnasium has a slightly peaked roof. Neither of the roof's materials could be conclusively identified but appeared to be rubber membrane style roofing.

The Site, including the area around the Site building is level. A chain link and wood fence surround the recess portions of the Site.

A fill and vent for the current UST was noted outside the boiler room in the recess area.

A municipal drainage system including storm drains was observed onsite.

Credere did not observe evidence of the following during the exterior reconnaissance:

- Hazardous substances or petroleum unassociated with identified uses
- Strong, pungent, or noxious odors
- Pools of liquid (other than water)
- Drums
- Unidentified substance containers
- Pits, ponds, or lagoons

- Stained soil or pavement
- Stressed vegetation
- Solid waste
- Monitoring or drinking water wells
- Wastewater discharge
- Septic Systems

6.6 UNDERGROUND AND ABOVEGROUND STORAGE TANKS

The fill port for the unregistered No. 2 fuel oil UST that services the Site building was observed at the east side outside of the boiler room. A vent pipe was observed associated with this UST.

6.7 PCB-CONTAINING ELECTRICAL AND HYDRAULIC EQUIPMENT

PCBs were used in products from the 1930s through the early 1980s but were not distributed in commerce after 1978. PCBs were most commonly used in electrical components, hydraulic oils, and other equipment and lubricants. ASTM Standards for Phase I ESAs only considers PCBs in electrical and hydraulic equipment, and specifically excludes fluorescent lighting fixtures, which may contain PCBs, from electrical equipment unless they are found in waste form.

One pole mounted electrical transformer was observed adjacent to the Site entrance on Prospect Street. No evidence of release(s) was observed from the transformer. Two hydraulic elevators are located in the Site building. The pistons could not be inspected, but the hydraulic tank in the adjacent closet were observed, and no evidence of release(s) observed in the mechanical rooms. No additionally hydraulic lifts or lifts for auto repair were observed at the Site.

7. INTERVIEWS

In accordance with ASTM E 1527-13, interviews with past and present owners, operators, and occupants of the Site, and government officials were conducted for the purpose of gathering information regarding the potential for RECs at the Site. The following presents a summary of the interviews that were conducted to support this Phase I ESA.

7.1 PAST AND PRESENT OWNER(S), OPERATOR(S) AND OCCUPANT(S)

Current Owner(s), Operators, Occupants, and Key Site Manager(s)

Current Owner Representative – Andrew Port

Mr. Andrew Port, Director of the Office of Planning and Development, is the representative for the current owner. Mr. Port completed a User Questionnaire regarding his knowledge of the Site, and his responses are summarized in **Section 2**.

Key Site Manager – Michael Bartlett

Mr. Michael Bartlett, Facilities Manager for the City of Newburyport, was interviewed during the Site reconnaissance. He was able to provide the following information:

- There is a No. 2 fuel oil UST of unknown age located below the recess area outside the boiler room. Mr. Bartlett believed that the tank's capacity is 6,000-gallons; although he could not confirm this. He reported that the UST is only filled with 3,000-gallons at a time.
- The heat for the Site building is provided through a combination of steam heat and forced hot water through a pneumatic system, which is considered to be functionally obsolete as replacement parts cannot be sourced.
- The elevators in the Site building have been taken out of service.

Current Occupant – Andrea Egmont

Ms. Andrew Egmont, Director of Youth Services, is the current occupant of the Site building and was interview via phone on February 2, 2021. She was able to provide the following information:

- A sign on the door indicates that ACBM are found within the boiler room
- There is concern about a possible mold issue due to pooling water associated from the old radiators leaking

Past Occupants

Former Occupant – Steve Bergholm

Mr. Steve Bergholm, Director of Facilities for the Newburyport Public Schools, is the representative for the former occupant of the Site building. Mr. Bergholm was interviewed via phone on February 4, 2021, but was unable to provide any pertinent environmental information regarding the Site.

Past Owners

The Site has been owned by the City of Newburyport and used as an Elementary School since 1922. Therefore, no prior owners were interviewed during this Phase I ESA. The lack of this interview did not impact Credere's ability to identify RECs, therefore, is not considered a significant data gap.

7.2 STATE AND/OR LOCAL GOVERNMENT OFFICIALS

City of Newburyport Assessor's Department

On January 25, 2021, Credere contacted the City of Newburyport Assessor's Department via phone for information pertaining to the Site. The current tax card was provided by Ms. Carrie Keville, the Administrative Assistant. No other pertinent environmental information was provided.

City of Newburyport Building Department

On January 25, 2021, Credere contacted the Building Department via phone for information pertaining to the Site. Ms. Barbara Pulaski, Administrative Assistant, was interviewed but was unable to provide any pertinent environmental information concerning the Site.

City of Newburyport Fire Department

On January 25, 2021, Credere contacted the Newburyport Fire Department. Deputy Fire Chief Steve Bradbury, who has been the Deputy Fire Chief for 20 years, provided Credere with the following information:

- A 7,000-gallon fuel oil UST was removed and replaced at the Site in 1959. The size of the replacement UST is unknown.
- In 1985, a burner was inspected at the school. At the time of the inspection, an 8,000-gallon UST was listed as associated with the burner. It is unknown if this tank replaced the 7,000-gallon fuel oil tank removed in 1959.

It could not be determined if the 8,000-gallon UST noted at the time of the burner inspection is the same UST as the current tank observed by Credere during the Site reconnaissance. No registration documentation for any onsite USTs were identified.

Copies of the documents provided by the Newburyport Fire Department are located in **Appendix G**.

8. ASTM NON-SCOPE CONSIDERATIONS

The following is a discussion of findings made during this Phase I ESA as they relate to items not included within the scope of ASTM 1527-13 standard.

8.1 ASBESTOS

Asbestos is a heat-resistant, naturally occurring mineral that breaks into fibers. Asbestos is the generic term for six different types of minerals. Some forms of asbestos are highly toxic by inhalation of dust particles. Past uses of asbestos include, but are not limited to, pipe and boiler insulation, fire and soundproofing, brakes, gaskets, floor tiles, roofing materials, window caulk, cement products, curtains, and water pipes. While the use of asbestos has been largely reduced in building materials over the last several decades, asbestos is known to still be used in over 300 retail building products; therefore, there is always the potential for asbestos to be present in buildings. The State of Massachusetts regulates asbestos under 310 CMR 7.15: Asbestos. Under these rules, prior to undertaking any demolition or renovation that would impact any potential ACM, the owner/operator of a building shall provide for an inspection of the affected portions of the facility for the presence of asbestos by a state-licensed asbestos inspector.

There are known ACMs within the Brown School building. Some of the materials within the school have been tested and recorded as part of the Initial AHERA Management Plan and subsequent Re-Inspections conducted at the school. More information about the AHERA inspections is detailed in **Section 4**.

8.2 LEAD PAINT

Lead is toxic by ingestion and inhalation of dust or fumes. Health effects are generally correlated with blood test levels. Infants and young children absorb ingested lead more readily than older children and young adults. Primary exposure routes include lead in paint, lead solder in drinking water lines, and air quality in inner city settings. Lead paint testing is typically warranted for residential properties constructed prior to 1978, and properties where children spend a significant amount of time, such as a daycare facility. Since 1978, lead has been banned from paints used in household settings, which are typically retail available paints that are also used in commercial settings. However, in some applications, lead paint is still in use to resist moisture and inhibit corrosion (e.g., in industrial metal paints).

Based on the age of the Site building, there is the potential for lead paint to be present within/on the Site building.

8.3 NON-SCOPE PCB-CONTAINING BUILDING MATERIALS

Caulk, paint, sealants, adhesives, and other materials containing PCBs were used in many buildings during building construction, renovation, or repair from the 1930s through the early 1980s. PCBs were not distributed in commerce after 1978. PCB-containing building materials may represent a risk to human health and the environment and may be regulated for disposal. In addition, while ASTM only considers PCBs in electrical or hydraulic equipment, PCBs were

commonly used in other lubricating oils, lighting ballasts, equipment, and building materials that were not related to electrical or hydraulic applications.

Based on the age of the Site building, there is the potential for PCB-containing building materials to be present within/on the Site building.

9. SIGNIFICANT DATA GAPS

ASTM E 1527-13 Section 12.7 requires the identification of data gaps that may affect our ability to identify potential environmental conditions on the Site, to further identify the sources of information consulted to attempt to fill these data gaps, and the significance of the data gap with regard to the ability to identify potential RECs at the Site. Data gaps and data failure have been discussed throughout this report and evaluated for their significance. Data gaps that affect Credere's ability to identify RECs and raise reasonable environmental concern are considered significant data gaps.

Credere did not identify any significant data gaps during preparation of this Phase I ESA.

10. FINDINGS AND OPINIONS

Potential findings can include RECs, historical RECs (HRECs), controlled RECs (CRECs), and *de minimis* conditions (DMCs), pursuant to the ASTM E 1527-13 standard. Some RECs may also be considered Vapor Encroachment Conditions[4] (VECs) and are identified, if applicable. Additionally, Credere has included other environmental findings, which are findings that do not meet the definition of the above; however, warrant an opinion by the environmental professional and may represent some degree of business environmental risk[5].

10.1 RECS (AND VECS IF APPLICABLE)

A REC is defined as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to 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. RECs were also evaluated for the potential of a VEC to exist.

REC #1 – Residual petroleum impacted soil from a historical release

In March 2001, a furnace gauge leak released approximately 40 gallons of No. 2 fuel oil into the boiler room. During cleanup, it was discovered that there had been impacts to soil below the boiler room floor and the catch basin. Free oil and oil-impacted sediment (in a catch basin) and soil were removed. Follow up sampling performed in May 2001 was completed that found elevated concentrations of petroleum constituents in the soil beneath the oil-impacted areas. In July/August 2001, 83.95 tons of contaminated soil was excavated from below the boiler room. An A-2 RAO was achieved; however, residual contamination remains in this area of the Site. Based on how the cleanup verification sampling was conducted and how the soil contamination was cleaned up, there is a high risk that some of these residuals may exceed applicable Massachusetts soil standards. While no future assessment or cleanup is required because the Site is administratively closed, any future work that impacts soil in this area will require management of the residual contamination and/or potentially MassDEP notifications. As such, it is Credere's opinion that the presence of residual petroleum impacted soil above background remaining beneath the boiler room floor represents a REC.

REC #2 – Long history of storage of petroleum in USTs and threat of release associated with the current tank

Records reviewed and interviews conducted by Credere have identified at least two USTs have occupied the Site since the construction of Brown School. Neither UST was registered. Currently, an unregistered UST of unknown capacity (somewhere between 6,000 and 8,000-gallons) containing No. 2 fuel oil is present to the east of the boiler room in the recess area. The tank is currently used to provide fuel oil to the boilers within the Site building. Credere has inferred from records reviewed that the UST is likely between 36 and 62 years old. It is Credere's experience,

[4] Presence of likely presence of COC vapors in the subsurface of the Site caused by the release of vapors from contaminated soil or groundwater or both either on or near the Site as identified by the Tier I or Tier 2 procedures in ASTME 1600-10.

[5] Business Environmental Risk – Per Section 3.2.11 or ASTM E 1527-13, a risk which can have a material environmental or environmentally-driven impact on the business associated with the current o planned use of the parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice.

that USTs of this vintage have a high risk of failing and releasing petroleum into the environment. At a minimum, the presence of the current tank represents a material threat of release. In addition, there have been at least one UST (pre-1959) on the Site, and no information was identified on the condition of the tank at the time of its removal. Considering this information, it is Credere's opinion that the presence of the current and former storage of petroleum in USTs at the Site has likely led to a material threat of release and/or release(s) of petroleum representing a REC.

10.2 HRECS

HRECs are defined 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 use criteria established by a regulatory authority, without subjecting the property to any required controls.

No HRECs have been identified associated with the Site during this Phase I ESA.

10.3 CRECS

CRECs are defined as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

No CRECs have been identified associated with the Site during this Phase I ESA.

10.4 DE MINIMIS CONDITIONS

A DMC is an environmental concern that generally does not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of regulatory agencies. A DMC is not a REC.

No DMCs were identified associated with the Site during this Phase I ESA.

10.5 OTHER ENVIRONMENTAL FINDINGS

Other environmental findings do not meet the definition of a REC, HREC, CREC, or DMCs as defined by the ASTM E 1527-13 standard; however, warrant the opinion of the environmental professional and may represent some degree of business environmental risk.

The following environmental findings were identified:

Environmental Finding #1 – Confirmed presence of ACM in/on the Site building

During the 1988 Initial AHERA Inspection and the subsequent AHERA Re-Inspections, ACMs were documented in the Site building. These materials were confirmed to still be present during the Site reconnaissance. Proper handling, management, and cleanup of the ACM during redevelopment represents business environmental risk. There is the potential for other previously

untested suspect ACM to be present within/on the Site building including roofing, flooring, and other miscellaneous materials. The cost to abate the ACM represent business environmental risk.

Environmental Finding #2 – Suspected presence of lead paint in/on the Site building

Based on the age of the Site building, there is the potential for lead containing paint to be present within/on the Site building. The cost associated with the future handling and management of the lead in paint during redevelopment represents business environmental risk.

Environmental Finding #3 – Suspected presence of PCB-containing building materials in/on the Site building

Fluorescent lights and associated ballasts as well as caulk, and paint were observed during the Site reconnaissance. Based on the age of the Site building, there is the potential for other suspect PCB-containing building materials to be present within/on the Site building. Proper handling and management of the PCB-containing building materials during redevelopment represents business environmental risk.

11. CONCLUSIONS & RECOMMENDATIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the property located at the Brown School, 42 Milk Street in the City of Newburyport, Essex County, Massachusetts, the property. Any exceptions to or deletions from, this practice are described in **Section 1.1** of this report

11.1 FINDINGS SUMMARY

This assessment has revealed no evidence of RECs in connection with the property except for the following:

- REC #1 – Residual petroleum impacted soil from a historical release
- REC #2 – Long history of storage of petroleum in USTs and threat of release associated with the current UST

The following environmental findings, which may represent some degree of business environmental risk, were identified:

- Environmental Finding #1 – Confirmed presence of ACM in/on the Site building
- Environmental Finding #2 – Suspected presence of lead paint in/on the Site building
- Environmental Finding #3 – Suspected presence of PCB-containing building materials in/on the Site building

11.2 RECOMMENDATIONS

A Phase II ESA is not required to assess REC #1 because although this release has been closed in accordance with Massachusetts Contingency Plan requirements, the presents residual contamination is confirmed. Based on the identified environmental findings, Credere recommends the following:

- A Phase II Environmental Site Assessment to aide in the redevelopment planning of the Site including the following:
    - A full Hazardous Building Materials Survey (HBMS) of Site buildings to aide in the redevelopment planning of the Site
    - An assessment of the soil and groundwater in the vicinity of the existing UST

11.3 CONTINUING OBLIGATIONS[6]

Per ASTM E 1527-13 Section 3.2.49, a Phase I ESA may provide a defense to afford a future purchaser CERCLA landowner liability protections that may also require the future purchaser to perform continuing obligations (ASTM E 1527-13 X1.3.1.2) with regard to the above listed RECs or findings. However, no continuing obligations can be identified without completion of further

[6] Credere environmental professionals are not qualified as attorneys to provide legal counsel and recommends consulting legal counsel for advice regarding liability protection and continuing obligations when necessary.

assessment. Confirmed RECs may warrant further evaluation and preparation of a continuing obligations plan in accordance with ASTM E 2790-11 for identifying the specific items necessary to implement continuing obligations at the Site.

12. SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

The following individuals performed this Phase I ESA in conformance with ASTM Standard Practice E 1527-13 and AAI Standards. Any work completed on this Phase I ESA by an individual who is not considered an environmental professional was completed under the supervision or responsible charge of the environmental professionals listed after the Environmental Professionals Statement provided below.

Moira A. Wentworth
Environmental Specialist/Geologist I
Primary Author

Samantha Foote
Engineer I
Primary Review

Environmental Professionals Statement

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

Richard Vandenberg, PG, LG
Senior Project Manager/QC Manager
Technical Review

Theresa Patten, PE
President
Final Review

13. REFERENCES

All Appropriate Inquiries Rule. *Standards and Practices for All Appropriate Inquiries*. 70 Fed. Reg. 66070, titled "40 CFR Part 312, November 2006.

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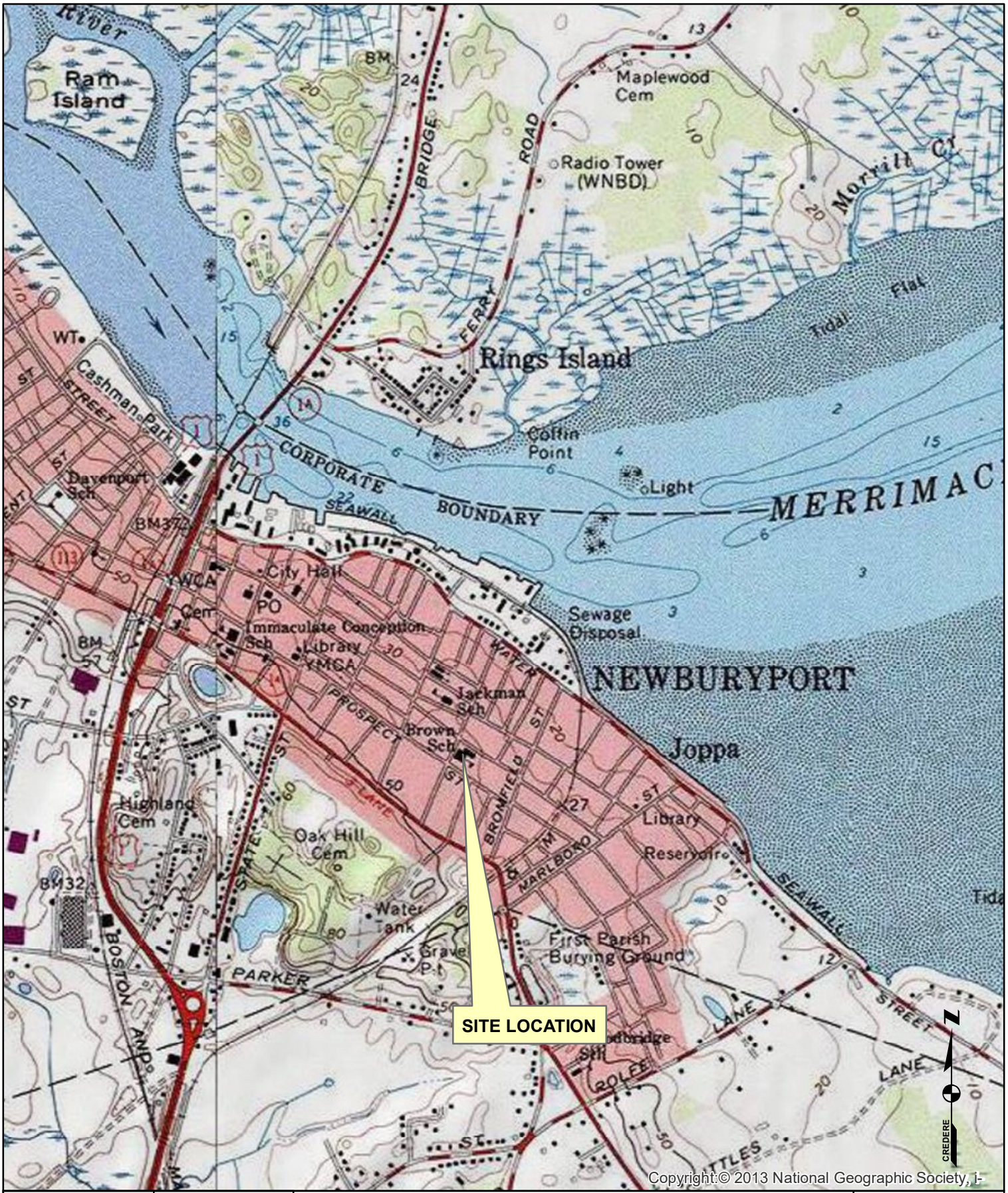
FIGURES

Figure 1 – Site Location Plan

Figure 2 – Detailed Site Plan



DRAWN BY: **MAW**	DATE: **01/18/2021**
CHECKED BY: **RSV**	PROJECT: **16001377**

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FIGURE 1
SITE LOCATION PLAN

BROWN SCHOOL
42 MILK STREET
NEWBURYPORT, MASSACHUSETTS

1,000 0 2,000 Feet

1 INCH = 2,000 FEET

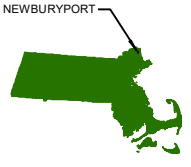

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FIGURE 2
DETAILED SITE PLAN

BROWN SCHOOL
42 MILK STREET
NEWBURYPORT, MASSACHUSETTS

- BOILER ROOM
- 1961 ADDITION
- 1978 ADDITION
- SITE BOUNDARY
- ORIGINAL 1923 SITE BUILDING
- BOILER
- NOVEMBER 2001 EXCAVATION AREA
- UNKOWN SIZE #2 FUEL OIL UST
- PARCEL BOUNDARY

NOTES:
EXISTING CONDITIONS AND FEATURES SHOWN ON THIS PLAN ARE APPROXIMATE AND ARE BASED ON INFORMATION OBTAINED FROM THE CITY OF NEWBURYPORT ONLINE GIS DATA, MASSACHUSETTS GIS PARCEL LAYER, 2013 ORTHO PHOTOS, AND SITE RECONNAISSANCE PERFORMED ON JANUARY 8, 2021.

Ortho Image

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APPENDIX A

Resumes of Key Author and Environmental Professional

Credere Associates LLC

Richard S. Vandenberg CG, PG
Senior Hydrogeologist/QC Manager

PROFESSIONAL REGISTRATIONS
ME Certified Geologist #GE452
NH Professional Geologist #52

TRAINING
- 40-hour, OSHA 29 CFR 1910.120 Hazardous Waste Health and Safety Course and Refresher Course
- 8-hour, OSHA 29 CFR 1910.120 Hazardous Waste Supervisor Health and Safety Course
- 2-hour OSHA 29 CFR 1910.120 Confined Space Entrant, Attendant and Supervisor
- ASTM Phase I/II ESA Training

EDUCATION & PROFESSIONAL ACTIVITIES
- Bachelor of Arts in Geology/chemistry. University of Maine, Farmington, Maine, 1987.
- Graduate work, Fort Hays State University, Hays, Kansas 1987 - 1989.
- ASTM 1527-13 Task Group Member
- New Hampshire Geological Society
- Environmental Business Council (EBC) NH Chapter Leadership Committee

HIGHLIGHTS OF EXPERIENCE
Mr. Vandenberg is a Senior Hydrogeologist with Credere Associates, LLC with 29 years of experience in assessment, investigation, remediation of petroleum and hazardous substance sites throughout Maine, New Hampshire, Rhode Island, Massachusetts, and Vermont.

BROWNFIELDS EXPERIENCE INCLUDES:
Since 2007, Rick has been almost exclusively involved with EPA funded and municipally-led Brownfields assessment and cleanup projects. He has performed all facets of Brownfields work including field work, project management, and quality control. Rick is currently the company-wide Quality Control (QC) manager for all of Credere's Brownfields projects, but he also serves as the project manager for several planning commission and community clients. Rick's day-to-day work includes overseeing and mentoring junior staff and providing quality control review of all Brownfields reports. Rick's expertise lies with understanding and interpreting ASTM International's (ASTM) environmental assessment processes which are the foundation of the EPA Brownfields program. Rick is an active member of the ASTM International E50 subcommittee and 1527-05 Task Group which has direct oversight of the various ASTM environmental processes. Rick's deep ASTM knowledge allows for comprehensive oversight of the Phase I Environmental Site Assessments (ESAs) conducted in accordance with ASTM E 1527-13 and Phase II ESAs following the ASTM E 1903-11. Rick also has significant experience designing remediation approaches using the Analysis of Brownfields Cleanup Alternatives (ABCA) process that incorporates remediation in concert with planned redevelopments. Rick also reviews Credere's state-wide generic Quality Assurance Project Plans (QAPPs) and Site-Specific Quality Assurance Project Plans (SSQAPPs) prepared for each project that detail the Brownfields assessment activities and laboratory sampling work to be performed.

Rick's program and project specific work has is detailed below:

Strafford County Regional Planning Commission (SRPC) Brownfields Assessment Program – New Hampshire
Rick has provided QC work for the SRPC Assessment Program which included an inventory of over 300 potential Brownfield sites within the region, prioritization/selection of sites for assessment, and completion of Phase I and Phase II investigations, remediation planning, reuse planning, and implementation of remedial actions. Projects that Rick has worked on include:

- Lockhart Field, Milton
- Nelson Estate, Farmington

Upper Valley Lake Sunapee Regional Planning Commission Brownfields – New Hampshire
Rick has provided QC work for the Upper Valley Lake Sunapee Regional Planning Commission (UVLSRPC) Brownfields Assessment Program in western New Hampshire. Key projects in the region include:

- 56 Opera House Square, Claremont
- Jolly Farmer Products, Lempster
- 20 Spencer Street Lebanon
- Former Public Works, Lebanon
- Public Works Annex, Lebanon
- Topstone Mill, Claremont
- Ambargis Mill, Newport

Southern New Hampshire Regional Planning Commission – New Hampshire

Rick provided project management and program QC technical reviews for the Southern New Hampshire Planning Commission (SNHPC) Hazardous Substance and Petroleum Brownfields Assessment Program in central New Hampshire. Properties assessed as part of the program includes the following:

- Rivers Edge II (former warehouse)
- Manchester, New Hampshire
- Fred's Auto, Candia
- Creamery site, Manchester
- Manchester Transit Authority, Manchester
- Gentle Slopes Property, Goffstown
- Granite Landing Property, Manchester
- Benchmark Property, Goffstown

Southern Maine Planning & Development – Maine

Rick provided project management and program QC technical reviews for the Southern Maine Planning & Development (SMPD) Brownfields Assessment Program in southern Maine. Assessed properties include:

- Marble Block Building, Biddeford
- North Berwick Woolen Mill, North Berwick
- Lincoln Mill, Biddeford
- Kittery Pier, Kittery
- Stenton Trust Mill, Sanford
- North Dam Mill, Biddeford
- Riverdam Mill, Biddeford
- Former Highland Towing, York

Merrimack Valley Planning Commission – Massachusetts

Rick provided project management and program QC technical reviews for Merrimack Valley Planning Commission (MVPC) Brownfields Assessment and Revolving Loan Fund programs in northeastern Massachusetts. Assessed properties include:

- Waterfront Promenade, Newburyport
- Merrimac Coastal Metals, Merrimac
- Margaret Rice Property, Amesbury
- 119 May Street, Lawrence
- 60 Brown Street, Haverhill
- 5 Florence Street, Lawrence
- Clipper City Rail Trail, Newburyport
- Tombarello Site, Lawrence

City of Gloucester Brownfields & Groundwork Lawrence Brownfields - Massachusetts

Mr. Vandenberg provided QC lead on projects on five (5) properties for the City of Gloucester and Lawrence, Massachusetts. Responsibilities included directing field staff, executing the scope of work, report preparation, and technical review of the assessment documents. Rick has developed an ABCA for a large mill property in Lawrence.

Prime Tanning Demolition & Remediation - Berwick, Maine

Mr. Vandenberg managed has managed the Brownfields cleanup the Former Prime Tanning Property in Berwick, Maine. The project involved the demolition design. This work involved the demolition of 5 acres of building and installation of both temporary and permanent cover systems. Rick reviewed design drawings, technical specifications, contractor submittals and provided extensive contractor oversight during execution of the project. In addition, Rick led numerous public engagement and outreach meeting/sessions during the multi-year demolition and remediation process. The project leveraged more than $2.2 million dollars of EPA and private funding.

Breton Cleaners - Somersworth, New Hampshire

Mr. Vandenberg provided QC support for the demolition and supplemental characterization during execution of a $200,000 EPA cleanup grant. The building, which is adjacent to the Salmon Falls River, was demolished in November 2017 and a temporary cover system was placed over the site to protect future site occupants from chlorinated solvent contamination at the Site. In 2019, Credere returned and the property contaminated soil was removed and disposed off-site under NHDES' "contained-out policy". The City of Somersworth is redeveloping the site into a waterfront park.

Credere Associates LLC

Moira Wentworth
Environmental Specialist/Geologist
CAD/GIS Technician

PROFESSIONAL LICENSES

- Asbestos Inspector
  MA #AI900652
  ME #AI-0755
  RI #AI01103
- MA Asbestos Project Monitor #AM900549
- ME Asbestos Air Monitor #AM-0608
- ME Lead Inspector #LI-0469
- ME Lead Risk Assessor #LI-0422

TRAINING

- 40-Hour OSHA 29 CFR 1910.120 HAZWOPER Course
- 30-Hour OSHA Construction Safety Course
- 8-Hour OSHA HAZWOPER Supervisor Course
- 10-Hour OSHA Construction Safety and Health Course
- 2-Hour Construction Confined Space Entry (OSHA 1926 Subpart AA) Course

EDUCATION

- B.S., Geological Sciences conc. Geology, Bridgewater State University, Bridgewater, MA (2013)

HIGHLIGHTS OF EXPERIENCE

Ms. Wentworth is an Environmental Specialist/Geologist I and CAD/GIS Technician with Credere Associates, LLC. She holds a Bachelor of Science in Geological Sciences conc. Geology from Bridgewater State University (2013).

ENVIRONMENTAL SITE ASSESSMENTS & BROWNFIELDS PROGRAMS

Ms. Wentworth's work includes all aspects of ASTM compliant Phase I and Phase II ESA's Environmental Site Assessments including historical research, site investigations, report preparation, GIS/CAD mapping, and environmental media sampling. A sampling of recent projects is listed below:

- 1912 Route 1, Arundel, ME
- Former Prime Tanning, Berwick, ME
- Dover Roundhouse, Dover, ME
- Dow Airfield Vacant Lot, Bangor ME
- Westbrook Riverwalk, Westbrook ME
- 27 Sanborn Road, Tilton, NH
- 841 Congress Street, Portland, ME
- Marble Block, Biddeford, ME
- 47 Boyd Street, Portland, ME
- 60 Brown Street, Haverhill, MA
- Fort Williams Former Small Arms Target Range, Cape Elizabeth, ME
- Central Fire Station, Brunswick, ME
- Armory Garage, Newburyport, MA
- 589 Pickering Road, Dover, NH
- Sirk & Chestnut Buildings, Lowell, MA
- Mohawk Forest Apts, North Adams, MA

ENVIRONMENTAL INVESTIGATION AND GROUNDWATER MONITORING PROGRAMS

Ms. Wentworth has experience with soil sampling and characterization and groundwater monitoring programs. She has experience in groundwater monitoring, field screening and sampling using peristaltic pumps. She also has experience with soil boring advancement, test pitting oversight soil sampling and characterization, and well installation. This includes work at the following sites:

- Kennebunk Service Plaza, Kennebunk, ME
- 113-115 Center Street
- Gulbicki's Auto Garage, Laconia, NH
- New Gloucester Town Garage, ME
- Lockhart Field, Milton, NH
- 107 Center Street, Bangor, ME
- Berlin Courthouse, Berlin, NH
- Our Lady of Grace Shrine Site, Columbia, NH
- Breton Cleaners, Somersworth, NH
- Marjan Corbin, Merrimack, NH

USACE, LTM, AND FUDS SITES

Ms. Wentworth has performed drinking water sampling, groundwater sampling, drilling oversight, monitoring well installation and development, soil sampling and characterization, and hazardous building material assessment and abatement planning at Sites under US Armory Corps of Engineers (USACE) Long Term Monitoring (LTM) and Formerly Used Defense Sites (FUDS) programs in Maine and Rhode Island including pitting, oversight, soil sampling and characterization, and well installation. This includes work at the following sites:

- Gould Island former US Navy Base, Jamestown, RI
- Dow Air Force Base Salvage Yard, Bangor, ME
- Glenburn former Ground to Air Transmitter site, Glenburn, ME
- Bucks Harbor Former US Air Force Radar and Transmitter site, Machiasport, ME

HAZARDOUS BUILDING MATERIALS PROJECTS

Ms. Wentworth has conducted hazardous building materials projects at the following sites, among others. Work in HBM projects can include development of bid documents for material removal, asbestos surveys, asbestos clearance inspections, lead inspections and lead risk assessments, PCB-containing building materials sampling.

- 58 Fore Street, Portland, ME
- Seton Hospital, Waterville, ME
- 1912 Route 1, Arundel, ME
- Dow Airfield Officer's Club, Bangor, ME
- 99 School Street, Gorham, ME
- New Gloucester Town Garage, ME
- 113-115 Center Street, Bangor, ME
- Lot 130 Prime Tanning, Berwick, ME
- 841 Congress Street, Portland, ME
- 55 Range Road, Cumberland, ME
- Thompsons Point, Portland, ME
- Lodges Care Center, Springvale, ME
- Livermore Falls WWTP, ME
- 14 Pray Street, Gardiner, ME
- 145 Spring Street, Portland, ME
- 47 Boyd Street, Portland, ME
- USCG Cape Elizabeth Family Housing, ME
- Hanscom Air Force Base, MA
- 116 School Street, Kennebunkport, ME
- Armory Garage, Newburyport, MA
- 6 & 8 Desert Road, Freeport, ME
- Tombarello, Lawrence MA
- 18 Pine Avenue, Old Orchard Beach, ME
- Highway Department Garage, Methuen, MA,

APPENDIX B

Credere Scope of Work

Credere's Scope of Work for Phase I Environmental Site Assessments

The following is Credere's scope of work for completion of this Phase I ESA conducted in accordance with the ASTM Standard Practice for Environmental Site Assessments (ESA): Phase I ESA Process (ASTM E 1527-13). The ASTM Standard Practice for ESAs: Phase I ESA Process (ASTM E 1527-13) meets the requirements of the Environmental Protection Agency (EPA) Standards and Practices for All Appropriate Inquiries (AAI); Final Rule (40 CFR Part 312).

The objective of conducting a Phase I ESA is to provide a concise liability assessment in order that informed environmental business decisions may be made regarding the subject property. To accomplish this goal, our reports contain a summary that focuses on potential liabilities and presents findings and conclusions regarding Recognized Environmental Conditions (RECs)[1] identified during the Phase I ESA.

Our Phase I ESA process consists of the following four tasks: (1) records review, (2) site reconnaissance, (3) interviews, and (4) report. Each of these tasks is described in detail below.

Records Review

The purpose of the records review is to obtain and review reasonably ascertainable[2] records that help identify recognized environmental conditions in connection with the property. The following state and federal environmental record sources, with the minimum search distances used for each, are reviewed from USEPA websites, state online databases, and an environmental records report for the property from EDR:

Source	Minimum Search Distance (mi)
Federal NPL Site List	1.0
Federal delisted NPL Sites	0.5
Federal CERCLIS List	0.5
Federal CERLIC NFRAP	0.5
Federal RCRA TSD Facilities List	0.5
Federal RCRA CORRACTs	1.0
Federal RCRA Generators List	Property and Adjoining Properties
Federal institutional/engineering controls sites & ERNS List	Property Only
State/tribal CERCLIS/NPL equivalent	1.0
State/tribal solid waste disposal or landfills	0.5
State Leaking UST Sites	0.5
State Registered UST Sites	Property and Adjoining Properties

1 The presence or likely presence of any hazardous substance or petroleum product in, on, or at a property: (1) due to a 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. *De minimis* conditions are not recognized environmental conditions.
2 Information that is (1) publically available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable.

Source	Minimum Search Distance (mi)
State institutional/engineering controls	Property only
State Voluntary cleanup sites	0.5
State Brownfields sites	0.5

Note: A list of standard environmental record sources to be searched can be found in Section 8.2.1 of the ASTM E 1527-13 standard.

These records are reviewed for database listings associated with activities identified on the target property, or nearby sites that may have the potential to impact the target property. Additional state and local records and physical setting sources that may be reviewed to enhance or supplement the federal and state sources identified above include:

- Lists of Landfill/Solid Waste Disposal Sites
- Records of Emergency Release Reports
- USGS 7.5 Minute Topographic Map
- Department of Natural Resources Publications
- State Geologic Surveys and Reports
- Local Fire, Health, Building, or Zoning Department

Reasonably ascertainable historical records for the subject property and surrounding area may be reviewed to determine the previous uses or occupancies of the property and surrounding area to identify those uses or occupancies that are likely to have led to recognized environmental conditions in connection with the property. The following historical records may be reviewed if reasonably ascertainable and sufficiently useful:

- Aerial Photographs
- Historical Fire Insurance Maps
- Historical Property Tax Assessor, Code Enforcement, and Zoning/Land Use Records
- Recorded Land Title Records
- Historical USGS Topographic Maps
- Historical City Directories
- Previous Environmental Investigations

Records reported in any previous environmental site assessments can be reviewed, incorporated, and referenced as appropriate; however, may not be independently verified unless there is actual knowledge that certain information contained in the prior report is incorrect or unless it is obvious that certain information is incorrect based on other information obtained in the prior report or is otherwise actually known to the environmental professional.

Site Reconnaissance

The site reconnaissance is performed to obtain information indicating the likelihood of identifying recognized environmental conditions in connection with the property. The site reconnaissance includes visual and physical observations noted while observing the periphery of the property, the periphery of all structures on the property, all interior spaces of the structure, including maintenance and repair areas, common areas, storage areas, and boiler rooms to the extent not obstructed by bodies or water, adjacent building or other obstacles. Credere notes the presence of the following during the interior and/or exterior reconnaissance:

- Storage tanks
- Odors
- Pools of liquid
- Drums
- Identified and/or unidentified substance containers
- Possible PCB-containing electrical or hydraulic equipment
- Heating/cooling sources
- Stains or corrosion
- Drains and sumps
- Pits, ponds, lagoons
- Stressed vegetation
- Solid waste
- Wastewater
- Wells
- Septic systems

Any visual or physical indications of past uses of the property that are likely to involve the use, treatment, storage, disposal, or generation of hazardous substances or petroleum products are noted. Current and/or past uses of adjoining properties and/or the surrounding area to the extent visually or physically observed which are likely to indicate RECs in connection with the property are also noted.

Interviews

Interviews with current and former owners and occupants are conducted to obtain information indicating RECs in connection with the property. The content of questions to be asked shall attempt to obtain information about uses and conditions of items noted during the site reconnaissance and to obtain any environmentally pertinent documents or any threatened, pending, or past: litigation, administrative actions, or notices of violation relevant to hazardous substances or petroleum products in, on, or from the property. Reasonable attempts will be made to interview the current property owner, former owners, key site managers, operators, current occupant, and/or former occupants. The User of the report will also be interviewed in accordance with Appendix X3 if the ASTM E 1527-13 standard.

Interviews with local government officials are conducted to obtain information indicating RECs in connection with the subject property. Reasonable attempts will made to interview a staff member of the following types of local government agencies (where applicable): fire department, tax assessor, code enforcement officer,

health agencies, and/or local/regional office of state agency having jurisdiction over hazardous waste disposal or other environmental matters in the area in which the property is located.

Report

Our report for the Phase I ESA will generally follow the recommended report format presented in ASTM E 1527-13. The report will include documentation to support the analysis, opinions, and conclusions presented in the report, as well as the credentials of the environmental professional(s) responsible for the Phase I ESA. The report will include the environmental professional's opinion of the impact of recognized environmental conditions in connection with the property. If the assessment reveals no evidence of RECs, then a statement to this effect will be made in the report.

Non-ASTM-Scope Considerations

According to Chapter 13 of ASTM E 1527-13, there may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of the practice. These conditions may represent some degree of business environmental risk to the client. The following is a list of items considered non-scope according to ASTM E 1527-13 Appendix X5.

- Asbestos containing building materials
- Radon
- Lead Based Paint
- Polychlorinated biphenyl (PCB)-containing materials (other than electric and hydraulic equipment)
- Lead in drinking water
- Wetlands
- Regulatory compliance
- Endangered species
- Indoor air quality (unrelated to a release to the environment)
- Mold

Considerations may be given to these items on a Site-specific basis or at the client's request. Case by case inclusion of these items is considered to add value to Phase I ESAs conducted for certain uses (i.e. the Brownfields program, redevelopment projects, etc.) and may identify conditions with the potential to incur cost, regulation, or other unanticipated modifications to a proposed use.

APPENDIX C

User Questionnaire

PHASE I ENVIRONMENTAL SITE ASSESSMENT
USER QUESTIONNAIRE

Brown School (former) - City of Newburyport

SITE NAME

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2002 (the "Brownfields Amendment") the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

(1) Please describe the purpose for performing this Phase I Environmental Site Assessment (ESA):

The City of Newburyport (Mayor/Council) has care and custody of the former Brown School building and property which was deemed surplus by the Newburyport School Department several years ago. Since that time the City has conducted several adaptive reuse feasibility studies and one RFP for reuse proposals. At this time the City is contemplating continued use of the first floor by our Youth Services Dept. and reuse of upper floors for housing.

(2) Please identify whether this Phase I ESA is being performed to secure financing for the purchase or redevelopment of the property, to perform environmental due diligence to obtain CERCLA liability protections, or both:

Both, but primarily for responsible due diligence and estimation of cost implications (order of magnitude) prior to pursing a definitive adaptive reuse program for the Brown School building and property.

(3) Please describe the planned future use of the property:

t this time the City is contemplating continued use of the first floor by our Youth Services Dept. and reuse of upper floors for housing. It is also possible (though less likely) that office uses could occupy the building in lieu of housing.

(4) Please indicate if any of the following inquiries have been performed on the property. If so, it is your responsibility under the ASTM practice to provide Credere with these documents or identify where these documents can be obtained:

a. Chain of title:
YES: ☐ **NO:** ☑

b. Judicial record/UCC search for liens:
YES: ☐ **NO:** ☑ **Date of Search if Yes:** _____

c. A plan or other map showing the property boundary and/or buildings:
YES: ☑ **NO:** ☐

d. Prior Phase I ESA or other environmental report for the subject property:
YES: ☐ **NO:** ☐ **UNKNOWN:** ☑

(5) Are any environmental cleanup liens filed or recorded against deed for the subject property (40 CFR 312.25)? (i.e. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?)

YES: ☐ **NO:** ☑ **If YES, please describe the type of lien below:**

(6) Are activity and land use limitations (called AUL's) in-place on the site or that have been filed or recorded in a registry (40 CFR 312.26)? (i.e. *Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?)*

YES: ☐ **NO:** ☑ **If YES, please describe the AULs below:**

(7) Do you have 'Specialized Knowledge' or experience of the person seeking to qualify for the LLPs (40 CFR 312.28)? 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?

YES: ☑ **NO:** ☐ **If YES, please describe any specialized knowledge below:**

The City's Facilities Manager and School Department Facilities Manager should be able to provide current information as well as historical knowledge that may not be adequately documented.

(8) What is the relationship of the offered purchase price to fair market value? See Questions below:

a. Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

YES: ☐ **NO:** ☐ There is no check box option here to indicate "N/A". The City already owns this property/facility.

b. 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?

YES: ☐ **NO:** ☐ There is no check box option here to indicate "N/A". The City already owns this property/facility.

(9) 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? *For example, as user,*

a. Do you know the past uses of the property?

YES: ☑ **NO:** ☐ **If YES, please describe below:**

All available documentation will be provided to the consultant.

b. Do you know of specific chemicals that are present or once were present at the property?
YES: ☑ **NO:** ☐ **If YES, please identify the chemicals and uses below:**

All available documentation will be provided to the consultant, including relevant feasibility studies and building assessments.

c. Do you know of spills or other chemical releases that have taken place at the property?
YES: ☑ **NO:** ☐ **If YES, please describe below:**

All available documentation will be provided to the consultant.

d. Do you know of any environmental cleanups that have taken place at the property?
YES: ☑ **NO:** ☐ **If YES, please describe below:**

All available documentation will be provided to the consultant.

(10) As the user of this ESA, based on your 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?
YES: ☐ **NO:** ☑ **If YES, please describe below:**

We are not aware of any outstanding contamination issues but believe hazardous materials do exist in the building, and potentially on the site.

(11) Property access and key individuals.

a. Are there any areas of the property that cannot be safely accessed or are restricted that Credere cannot enter?
YES: ☐ **NO:** ☑ **If yes, please identify these areas below:**

With adequate notice full access throughout the building and property can be provided.

b. Are there any confidentiality agreements or privacy concerns Credere should be aware of during this Phase I ESA? For example, are building workers or occupants aware of the reason for this Phase I ESA (i.e. property sale) or are there any restrictions on whom Credere can speak with during our reconnaissance?
YES: ☑ **NO:** ☐ **If yes, please explain below:**

All communication should be through the City's Director of Planning & Development (Andrew Port)

c. Please provide the name and contact information for the individual Credere should contact to access the property:

Name: Mike Bartlett, Facilities Manager, City of Newburyport

Phone: (978) 518-7221 (cell)

Email: mbartlett@CityofNewburyport.com

d. If different from the above individual and known, please provide the name and contact information for the 'key site manager' (e.g. the building superintendent, plant manager, environmental coordinator, etc.):

Name: Same

Phone: Same

Email: Same

e. If known, please provide the name and contact information for any prior property owners or occupants:

Name: Steve Bergholm, Director of Facilities, Newburyport Public Schools

Phone: 978-465-4440 x5008

Email: sbergholm@newburyport.k12.ma.us

f. Are there any other individuals at your organization who have knowledge of the property that Credere should interview in support of this ESA?

YES: ☑ **NO:** ☐ If YES, please provide contact information below:

Name: Andrea Egmont, Director of Youth Services (City Dept. currently within the building)

Phone: (781) 738 1594

Email: Aegmont@CityofNewburyport.com

This Questionnaire was completed by:

Print Name Andrew Port Print Title Director of Planning & Development

Signature _____ Date 1/7/21

c. Please provide the name and contact information for the individual Credere should contact to access the property:

Name: Mike Bartlett, Facilities Manager, City of Newburyport

Phone: (978) 518-7221 (cell)

Email: mbartlett@CityofNewburyport.com

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Phone: Same

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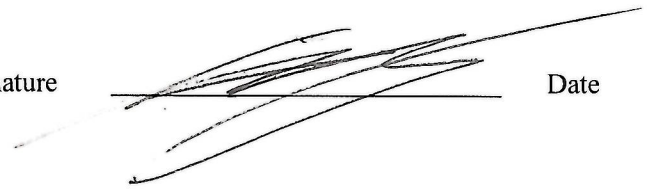
Phone: (781) 738 1594

Email: Aegmont@CityofNewburyport.com

This Questionnaire was completed by:

Print Name: Andrew Port Print Title: Director of Planning & Development

Signature:  Date: 1/7/21

PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

Property Name Brown School (former) - City of Newburyport

Address 42 Milk Street, Newburyport, MA 01950

Site Description Former School Building now occupied by Youth Services program and contemplated for housing, etc.

Click your response. Explain any "Yes" answers in the Notes area. Additional space is available on the last page.

1.* What is the current use of the property?

- ☐ Residential - Single Family
- ☐ Residential - Multi-Family
- ☐ Commercial
- ☐ Industrial/Manufacturing
- ☐ Unimproved/Raw Land
- ☐ Agriculture
- ☒ Other: Municipal - Youth Services / Vacant (upper floors)

2. What is the age of the structure?

- ◉ Built in or before 1980
- ○ Built in after 1980

3. What is the intended use of the property?

- ☐ Residential - Single Family
- ☒ Residential - Multi-Family
- ☐ Commercial
- ☐ Industrial/Manufacturing
- ☐ Unimproved/Raw Land
- ☐ Agriculture
- ☒ Other: Municipal - Youth Services & Possibly Office Space (as alternative to multi-family housing)

4.* Is the property currently used, or has it previously been used, as any of the following: an industrial or manufacturing operation, a gasoline station, a motor repair facility, a commercial printing facility, a dry cleaners, a photo-developing laboratory, a junkyard or a landfill, or as a waste treatment, storage, disposal, processing or recycling facility?

- ○ Yes
- ◉ No
- ○ Unknown

Notes

5.* Are any adjoining properties currently used, or have they previously been used as any of the following: an industrial or manufacturing operation, a gas station, a motor repair facility, a commercial printing facility, a dry cleaners, a photo developing laboratory, a junk yard or a landfill, or as a waste treatment storage, disposal processing, or recycling facility?

- ○ Yes
- ◉ No
- ○ Unknown

Notes

6.* Are there currently, or have there have been previously, any damaged or discarded automotive or industrial batteries, pesticides, paints or other chemicals in individual containers of greater than five gallons in volume or fifty gallons in aggregate, stored on or used at the property?

- ◉ Yes
- ○ No
- ○ Unknown

Notes Prior UST removal - Available Documentation will be provided

* Reflects information (in whole or in part) required by ASTM Transaction Screen Standard 1527

7.* Are there currently, or have there been previously, any industrial drums (typically 55 gallons) or sacks of chemicals located on the property?

- ◯ Yes
- ◯ No
- ◉ Unknown

Notes

8.* Has fill material been brought to the site that originated from a contaminated site or of unknown origin?

- ◯ Yes
- ◯ No
- ◉ Unknown

Notes

9.* Are there currently, or have there been previously, any pits, ponds or lagoons on the property connected with waste treatment or waste disposal?

- ◯ Yes
- ◉ No
- ◯ Unknown

Notes

10.* Are there currently, or have there been previously, any underground storage tanks on the property?

- ◉ Yes
- ◯ No
- ◯ Unknown

Notes Prior UST removal - Available Documentation will be provided

11.* Are there currently, or have there been previously, any above ground storage tanks on the property?

- ◉ Yes
- ◯ No
- ◯ Unknown

Notes Available Documentation will be provided

12.* Are there currently, or have there been previously, any vent pipes, fill pipes or access way indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?

- ◉ Yes
- ◯ No
- ◯ Unknown

Notes Available Documentation will be provided

13.* Are there currently, or have there been previously, any flooring, drains, or walls located within the facility that are, or have been, stained by substances other than water or which are emanating foul odors?

- ◯ Yes
- ◯ No
- ◉ Unknown

Notes

14.* Is there currently, or has there been previously, any stained soil on the property?

- ◯ Yes
- ◯ No
- ◉ Unknown

Notes

15. Are there any groundwater monitoring wells on the property?

- ◯ Yes
- ◯ No
- ◉ Unknown

Notes

16.* Is the property served, or has the property been served, by a private well?

- ◯ Yes
- ◉ No
- ◯ Unknown

Notes

17.* If yes, have contaminants been identified in the well that exceeded guidelines or has the well been designated contaminated by any government environmental/health agency?

- ◯ Yes
- ◉ No
- ◯ Unknown

Notes N/A

* Reflects information (in whole or in part) required by ASTM Transaction Screen Standard 1527

18.* Are you aware of any environmental liens or governmental notification relating to past or current violations of environmental laws with respect to the property, to any facility located on the property, or to any properties in the vicinity?

- ◯ Yes
- ◯ No
- ◉ Unknown

Notes

19.* Has an environmental assessment ever been performed on the property which indicated the presence of hazardous substances or petroleum products on, or contamination of the property, or recommended further assessment of the property?

- ◉ Yes
- ◯ No
- ◯ Unknown

Notes: Prior UST removal - Available Documentation will be provided

20.* Have you ever been informed of the past or current existence of hazardous substances or petroleum products or environmental violations with respect to the property or any facility located on the property?

- ◯ Yes
- ◯ No
- ◉ Unknown

Notes: Prior UST removal - Available Documentation will be provided

21.* Are you aware of any environmental litigation or administrative action related to a release or threatened release of any hazardous substance or petroleum product involving the property or an abutting property?

- ◯ Yes
- ◉ No
- ◯ Unknown

Notes

22.* Other than storm water or water discharged into a sanitary sewer system, does the property discharge wastewater onto the subject property or onto any adjacent property?

- ◯ Yes
- ◉ No
- ◯ Unknown

Notes

23. Are there any septic systems, dry wells, or leach fields on the property?

- ◯ Yes
- ◯ No
- ◉ Unknown

Notes

24.* Have any hazardous substances, petroleum products, unidentified waste materials, automotive or industrial batteries, tires, trash or refuse been dumped, buried and/or burned on the property?

- ◯ Yes
- ◯ No
- ◉ Unknown

Notes

25.* Are there transformers, capacitors, fluorescent light fixtures or any hydraulic equipment on the property with records that indicate the presence of PCBs?

- ◯ Yes
- ◯ No
- ◉ Unknown

Notes

26. Do you believe asbestos **may** be present in the structure?

- ◉ Yes
- ◯ No
- ◯ Unknown

Notes: Available Documentation will be provided

27. Has an asbestos survey ever been conducted?

- ◉ Yes
- ◯ No
- ◯ Unknown

Notes: Available Documentation will be provided

* Reflects information (in whole or in part) required by ASTM Transaction Screen Standard 1527

If "Yes":

What were the results of this survey?

- ☐ Asbestos present and removed
- ☒ Asbestos present and being managed
- ☐ Asbestos present and nothing being done
- ☐ Asbestos not present

28. Is it **possible** that lead-based paint has been used on the structure?

- ◉ Yes
- ○ No
- ○ Unknown

Notes

29. Are any of the painted surfaces flaked or chipped?

- ◉ Yes
- ○ No
- ○ Unknown

Notes

30. Has the presence of radon been tested on the property?

- ○ Yes
- ○ No
- ◉ Unknown

Notes

31. Are there wetland type areas on the property?

- ○ Yes
- ◉ No
- ○ Unknown

Notes

ADDITIONAL COMMENTS/EXPLANATIONS

Available Documentation will be provided

Date	Thursday, January 7, 2021
Name	Andrew Port
Title	Director of Planning & Development
Phone	(978) 465-4400 x 6

* Reflects information (in whole or in part) required by ASTM Transaction Screen Standard 1527

APPENDIX D

Prior Environmental Reports

ASBESTOS MANAGEMENT PLAN

NEWBURYPORT PUBLIC SCHOOLS

ASBESTOS HAZARD EMERGENCY RESPONSE ACT

BROWN SCHOOL

UNIVERSAL ENGINEERING CORPORATION
CONSULTING ENGINEERS
100 BOYLSTON STREET
BOSTON, MASSACHUSETTS

INDEX

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SECTION 2 MASSACHUSETTS STATE FORM
-Summary
-Checklist

SECTION 3 DIGITIZED FLOOR PLANS

SECTION 4 MANAGEMENT PLAN TABULATION SHEET

SECTION 5 OPERATIONS AND MAINTENANCE

SECTION 6 ASBESTOS PROGRAM MANAGER'S RESPONSIBILITIES
-Resources Needed
-Notification
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SECTION 7 BULK SAMPLING PROCEDURES
-Quality Assurance
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SECTION 11 GLOSSARY OF TERMS

SECTION 12 ASBESTOS HAZARD EMERGENCY RESPONSE ACT (AHERA) REGULATION

SCHOOL SYSTEM INFORMATION

SCHOOL DISTRICT: Newbury Port Public Schools

SCHOOL NAME: Brown

ADDRESS: Milk Street, Newbury Port, MA 01950

DATE(S) OF INSPECTION: 8/26/88

LOCAL EDUCATION AGENCY INFORMATION

APPOINTED PERSON: Joe Donnelly

SIGNATURE: Joseph J Donnelly

TITLE: Assistant Superintendent

ADDRESS: 70 Low Street, Newbury Port, MA 01950

PHONE NUMBER: (508) 465-4456

NAME OF TRAINING COURSE: Asbestos Associated Project worker 16 hour Training Course

TRAINING AGENCY: Universal Engineering Corporation

YEAR 1989 MONTH May DAY 22,23 TOTAL HOURS OF COURSE 16

For persons who perform inspections, and recommend(ed) design, or carry out response actions (except for operations and maintenance) the local education agency used or will use persons who have been accredited by a state which has adopted a contractor accreditation plan under section 206(b) of Title II of the Act or is accredited by an EPA-approved course under section 206(c) of Title II of the Act. In addition, the LEA has considered whether any conflict of interest may arise from the interrelationship among accredited personnel, such as abatement activities being performed by an inspector or management planner, and whether that should influence the selection of accredited personnel to perform activities under this AHERA program.

The signatory below certifies that the general local education agency responsibilities, as stipulated by Part 763.84 have been met or will be met.

LEA Appointed Person: Joe Donnelly

Signature: Joseph J Donnelly

Date: 5/23/89

CERTIFIED PERSONNEL INFORMATION

INSPECTOR INFORMATION

INSPECTOR NAME: Ammar Dieb

CONSULTING FIRM: Universal Engineering Corporation

STATE OF ACCREDITATION: Mass.

ACCREDITATION NUMBER: I-00050

I certify as a inspector that I have inspected the said building and that the inspection is in compliance with 40 CFR part 763 subpart E.

INSPECTOR SIGNATURE: Ammar DieB

DATE: 1-3-1989

MANAGEMENT PLANNER INFORMATION

MGMT. PLANNER NAME: Ammar Dieb

CONSULTING FIRM: Universal Engineering Corporation

STATE OF ACCREDITATION: Mass

ACCREDITATION NUMBER: MP 00417

I certify as a management planner that I have prepared or have reviewed such plan, and that such plan is in compliance with 40 CFR Part 763 subpart E.

MGMT. PLANNER SIGNATURE: Ammar DieB

DATE: 1-3-1989

LABORATORY INFORMATION

LABORATORY: Davis & Floyd, Inc.

ADDRESS: P.O. Drawer 428

Greenwood, South Carolina 29646

PHONE NUMBER: (803) 229-5211

NATIONAL BUREAU OF STANDARDS ACCREDITATION NUMBER: 4788

MASSACHUSETTS STATE CERTIFICATION NUMBER: 000008

The above stated laboratory used for the analysis of bulk samples included in this report has received the interim accreditation for polarized light microscopy (PLM) analysis under the EPA Interim Asbestos Bulk Sample Analysis Quality Assurance Program until the NBS PLM laboratory accreditation program for PLM is operational.

INTRODUCTION

On October 22, 1986, President Reagan signed into law an amendment to the Toxic Substances Control Act requiring schools to determine the presence of asbestos containing building materials in all school buildings. That amendment, called the Asbestos Hazard Emergency Response Act (AHERA), required that all school buildings be visually inspected by accredited inspectors and that bulk samples of suspected materials be taken where the material was not assumed to be asbestos. It further required that management plans be created for each individual building and the maintenance and custodial personnel receive training. The plan must be implemented and the training must be completed by July 9, 1989. This document is the Asbestos Management Plan which provides the means and the methods to effectively deal with asbestos containing building materials.

All phases of asbestos inspection and management planning are reported in this plan including: response action strategy, priorities, scheduling of abatement activities, coordination of personnel, and evaluation of results. The plan has an additional function as a reporting document to the State. At the local level, the plan must be made available for general review by school districts. Notice of the plan's availability must also be sent in writing at least once a year to local parent-teacher associations. All records of activities and correspondence must be maintained.

This report is broken down into 12 sections. A brief explanation of the material found within each section and how they interrelate is as follows.

Section 1:

Section 1 is the introduction in which there is a description of the Asbestos Hazard Emergency Response Act, an explanation of the contents of the Management Plan and how it is used, and a brief summary of the results.

Section 2:

Section 2 includes forms which were provided by the Commonwealth of Massachusetts. These forms include key summary information that was determined through the preparation of the plan and presents it in a format requested by the Commonwealth for their review.

Section 3:

Section 3 includes the digitized floor plans of each building. These plans were developed using existing blueprints through a process called computer aided drafting (CAD). The floor plans have information relative to where the samples were taken, what the results of the samples were, the areas in which the asbestos containing materials are located, and the type of material which contains asbestos.

Section 4:

Section 4 includes the management plan tabulation sheets. This important section tabulates the data that was taken during the survey as well as the conclusions that were made as a result of the survey and lab analysis. From review of these tabulation sheets, the user will be able to determine where the asbestos is located, what type of building material is affected, what type and percentage of asbestos is present, the condition of the asbestos, how the asbestos will be dealt with over the next several years, and the cost, if any, of the work of asbestos abatement contractors.

Section 5:

This section details specific operation and maintenance procedures to be followed in dealing with asbestos containing material. They will provide the user (particularly the custodial and maintenance personnel) with specific guidelines as to what to do with the asbestos under various circumstances.

Section 6:

This Section includes the Asbestos Program Manager's responsibilities. Regulations require that each local education agency have a person designated as the manager for all asbestos related issues. This section provides necessary information such as resources needed, notifications that have to be made, periodic surveillance, reinspection plans, record keeping forms, and training requirements.

Section 7:

This Section describes the methods and procedures used during the preparation of this report. It deals with such items as the bulk sampling procedures, quality assurances, laboratory analysis and sampling diagrams.

Section 8:

Section 8 explains the hazard assessment, response actions and decision trees. The Environmental Protection Agency has provided information as to how the asbestos is to be assessed and then based on that assessment what response action should be taken. This chapter includes the guidelines for completing the assessment. It includes decision trees which provide guidelines for the certified management planers to determine the appropriate response action based on certain criteria. Finally, it includes actual descriptions of what the response actions are.

Section 9:

Section 9 includes the bulk sampling lab analysis reports for all samples taken in the building.

Section 10:

This section includes data on asbestos inspection history of the building and information on any past abatement activities. The data was collected from existing files.

Section 11:

Section 11 is a glossary of terms commonly used in the asbestos industry.

Section 12:

Section 12 is an excerpt of the federal regulation entitled the Asbestos Hazard Emergency Response Act (AHERA).

Although the school was inspected in strict accordance of the U.S. Environmental Protection Agency's (USEPA) AHERA rule, there cannot be a guarantee that all ACBM has been located or identified. Some of the reasons for this are:

1. Sampling was performed on a random basis and the material was assumed to be homogeneous. The possibility does exist that the material composition may differ from where the samples were taken.

2. Only exposed materials have been sampled. Some concealed ACBM may not have been located. Other concealed or difficult to reach suspect ACBM has been included in the survey based on certain assumptions.

3. Some non-friable materials may not have been sampled. While most of these non-friable materials do not generate fiber release under normal conditions, they cannot be ignored if they are altered.

4. Multiple samples were collected to minimize error. There is a chance that human error will create inconsistencies.

5. Before any abatement or major renovation is undertaken, confirmation samples may be required to verify the exact extent of the ACBM including building materials and equipment i.e. roofing systems, chalk boards, laboratory counter tops...not specifically covered under AHERA.

GENERAL TRENDS

Brown (New Bury Port)

A. Asbestos Containing Material:

Floor Tile #1
Boiler Insulation
Tank Insulation
Pipe Insulation
Joint Insulation

B. Non Asbestos Material:

Acoustical Tile #1
Suspended Acoustical Tile #1
Suspended Acoustical Tile #2
Plaster

C. Vinyl Base Board was assumed to be an asbestos containing material.

MASSACHUSETTS DIVISION OF OCCUPATIONAL HYGIENE

LEA ASBESTOS MATERIALS AND MANAGEMENT PLAN SUMMARY

Each LEA should answer the following questions for each of its buildings that are subject to the requirements of the Asbestos Hazard Emergency Response Act. Completed forms must be submitted to the Division of Occupational Hygiene with LEA Management Plans. Please copy this form as per your needs. Additional copies can be obtained by calling D.O.H. at 969-7177.

LEA Name Newburyport Public Schools

Building Name Brown School

Building Address Milk Street Newburyport, MA

Designated Person Name Joe Donnelly

Designated Person Address 70 Low St., Newburyport, MA

For purposes of this summary, "response actions" include removal, repair, encapsulation, enclosure, and preventive measures, but not operations and maintenance.

I. SURFACING ACM IN LEA BUILDINGS (includes sprayed or troweled on fireproofing and/or acoustical materials)

A. Total friable material (sq. ft.): 0

B. Total non-friable material (sq. ft.): 0

C. Significantly damaged material

1. Total amount (sq. ft.): 0
2. Latest date any response action is scheduled to begin:*
3. Date all response actions to be completed:

D. Material with potential for significant damage

1. Total amount (sq. ft.): 0
2. Latest date any response action is scheduled to begin:*
3. Date all response actions to be completed:

E. Removal of friable material during response actions

1. Total amount to be removed (sq. ft.): 0
2. Date all response actions involving removal to be completed:

* All other response actions for this category of ACBM have begun or are scheduled to begin before this date, as specified in LEA management plan under 763.93 (e)(6).

II. THERMAL SYSTEM INSULATION ACM (includes insulation on pipes, fittings, boilers, breeching, tanks, ducts...)

A. Total amount

1. Area materal (sq. ft.): 800
2. Linear material (linear ft.): 907

B. Material with potential for significant damage

1. Total amount
   —area material (sq. ft.): 0
   --linear material (linear ft.): _____
2. Latest date any response action is scheduled to begin:* _____
3. Date all response actions to be completed: _____

C. Removal of material during response actions

1. Total amount to be removed
   —area material (sq. ft.): 0
   --linear material (linear ft.): _____
2. Date all response actions involving removal to be completed: _____

III. MISCELLANEOUS ACM IN LEA BUILDINGS (interior building materials that are not surfacing or TSI, includes floor and ceiling tiles etc...)

A. Total friable material (sq. ft.): 0

B. Total non-friable material (sq. ft.): 12850
4200 LF

C. Significantly damaged miscellaneous material

1. Total amount (sq. ft.): 0
2. Latest date any response action is scheduled to begin:* _____
3. Date all response actions to be completed: _____

D. Material with potential for significant damage

1. Total amount (sq. ft.): 0
2. Latest date any response action is scheduled to begin:* _____
3. Date all response actions to be completed: _____

E. Removal of friable material during response actions

1. Total amount to be removed (sq. ft.): 0
2. Date all response actions involving removal to be completed: _____

MASSACHUSETTS. DIVISION OF OCCUPATIONAL HYGIENE

A H E R A
Required Elements of School Management Plan

Codes: D = Deficient, M = Missing

The AHERA regulation requires that "the management plan :.. be developed by an accredited management planner and shall include:

Page No.	Check Off	
1-1A 1-5	___	1. GENERAL INVENTORY The name and address of the school building and whether the school building contains:
	___	- friable ACBM,
	___	- nonfriable ACBM, and
	___	- friable and nonfriable suspected ACBM assumed to be ACM.
Section 10	___	2. INSPECTIONS CONDUCTED PRIOR TO 12.14.87 For each inspection conducted before the effective date of the Subpart E:
	___	A. the date of the inspection
	___	B. a blueprint, diagram, or written description of sch building that identifies clearly:
	___	- each location and
	___	- approximate square or linear footage of any homogeneous or sampling
	___	- area where material was sampled for ACM, and, i possible, the exact locations where bulk sample were collected, and the dates of collection.
Section 10	___	C. a copy of the analyses of any bulk samples,
	___	dates of analyses, and
	___	a copy of any other laboratory reports pertaining to the analysis
Section 10	___	D. a description of any response actions or preventive measures taken to reduce asbestos exposure, including if possible,
	___	- the names and addresses of all contractors involved,
	___	- start dates of the work, and
	___	- results of air samples analyzed during and upon completion of work
Section 10	___	E. description of assessments, (by accred. inspector), required to be made under S763.88, of material that wa identified before the effective date of Subpart E as friable ACBM or friable suspected ACBM assumed to be ACM and all T.S.I., and the name and signature, State of accreditation, and if applicable, accreditation number of each accredited person making the assessment

Page No.	Check Off	
1-1A 1-1B	___	3. INSPECTIONS CONDUCTED AFTER 12.14.87 For each inspection and reinspection conducted under S763.85:
	___ ___ ___	A. the date of the inspection or reinspection and, the name and signature, State of accreditation and, if applicable, the accreditation number of each accredited inspector performing the inspection or reinspection.
Section 3	___	B. A blueprint, diagram, or written description of scho building that clearly identifies:
	___	Section 3,4 - Each location and approximate square or linear footage of homogeneous areas where material was sampled for ACM;
	___	Section 3 - The exact location where each bulk sample was collected;
	___	1-1A - Date of collection;
	___	Section 4 - Homogeneous areas where friable suspected ACBM assumed to be ACM;
	___	Section 4 - Where nonfriable suspected ACBM is assumed to ACM
Section 7 1-1B	___	C. A description of the manner used to determine sampli locations; the name and signature of each accredited inspector collecting samples, the State of accreditation, and if applicable, his or her accreditation number;
Section 9 1-1C	___	D. A copy of the analyses of bulk samples collected an analyzed:
	___	- The name and address of any laboratory that analyzed bulk samples
	___	- A statement that the laboratory meets the applicable requirements of S763.87(a) the date analysis, and;
	___	- The name and signature of the person perfoming the analysis.
Section 8 1-1B	___	E. A description of assessments, required to be made und S763.88, of all ACBM and suspected ACBM assumed to be ACM, and all TSI;
	___	- The name, signature, State of accreditation, and if applicable accreditation number of each accredited person making the assessments
1-1A	___	4. DESIGNATED PERSON The name, address, and telephone number of the person designate under S763.84 to ensure that the duties of the LEA are carried out; and his/her statement assuring that the LEA's duties are carried out, and the course name, and dates and hours of traini taken by that person

Page No.	Check Off	
Section 4	___	5. RESPONSE ACTION RECOMMENDATIONS Recommendations made by accred. Management Planner to the LEA regarding response actions, under S763.88(d); - The name, signature, State of Accreditation of each person making the recommendations, - and if applicable, his or her accreditation number.
8-4 1-1 B	___	
	___	
Section 4,5,8 8-4	___	6. RESPONSE ACTION A detailed description of preventive measures and response actions to be taken, including:
	___	- Methods to be used, for any friable ACBM,
	___	- The locations where such measures and action will be taken;
	___	- Reasons for selecting the response action or preventive measure;
	___	- A schedule for beginning and completing each preventive measure and response action.
1-1A 1-1B	___	7. ASSURANCE OF ACCREDITATION With respect to the person or persons who inspected for ACBM an who will design or carry out response actions, except for operations and maintenance; with respect to the ACBM, one of t following statements:
1-1A 1-1B	___	A. if the state has adopted a contractor accreditation program under section 206(b) of Title II of the Act, a statement that the person(s) is accredited under such plan
1-1A 1-1B	___	B. a statement that the local education agency used (or will use) persons who have been accredited by another state which has adopted a contractor accreditation pla under section 206(b) of Title II of the Act or is accredited by an EPA-approved course under section 206(c) of Title II of the Act.
Section 6	___	8. ACBM REMAINING AFTER RESPONSE ACTION A detailed description in the form of a blueprint, diagram, or i writing of any ACBM or suspected ACMB assumed to be ACM which remains in the school once response actions are undertaken pursuant to S763.90. This description shall be updated as response actions are completed.
Section 6	___	9. ACTIVITY PLANS
6-3	___	A. A plan for reinspection under S763.85, (3 year inspection)

Page No.	Check Off	
Sections 5,6	___	B. A plan for operations and maintenance activities under S763.91,
	___	- Worker Protection
	___	- Cleaning: initial and additional
	___	- Operations and Maintenance activities
5-19	___	- Maintenance activities other than small jobs
6-2	___	- Fiber release episodes (minor and major)
6-3	___	C. A plan for periodic surveillance under S763.92, (6 month inspection)
Section 5	___	D. A description of the recommendation made by management planner re: additional cleaning under S763.91(c)(2) as part of an operations and maintenance program, and the response of the LEA to that recommendation.
5-2		
5-3		
6-2	___	10. NOTIFICATIONS A description of steps taken to inform workers and building occupants, or their legal guardians, regarding availability of the management plan.
Section 6		
6-1		
6-2	___	11. RESOURCE EVALUATION An evaluation of the resources needed to complete response actions successfully and carry out reinspection, operations and maintenance activites, periodic surveillance and training.
1-1A		
1-1B	___	12. NAMES AND SIGNATURES OF RESPONSIBLE PARTIES With respect to each consultant who contributed to the management plan, the name of the consultant and one of the following statements;
1-1B	___	A. if the state has adopted a contractor accrediation plan under section 206(b) of Title II of the Act, a statement that the consultant is accredited under such plan
1-1B	___	B. a statement that the contractor is accredited by another state which has adopted a contractor accreditation plan under section 206(b) of Title II of the Act, or is accredited by an EPA-approved course developed under section 206(c) of Title II of the Act.
Section 6	___	13. RECORDKEEPING:
		A. For each preventive measure and response action taken since Dec. 14, 1987, provide the following information:

Page No.	Check Off	
	___	1. Detailed written description of the action or measure, including: - methods used; - Location; - Reasons for selecting the action or measure; - Start and completion dates; - Names and addresses of all contractors involved; - and if applicable, State of accred., and accred. numbers; - and if removal occurred, location of storage or disposal site.
	___	2. Name and signature of any person collecting any air sample required at the completion of the action; - Locations where samples were collected, - Date of collection, - Name and address of lab, - Date of analysis, results of analysis, method of analysis, and Name and signature of person performing analysis, - Statement that lab meets applicable requirements.
6-5	___	B. Employee training which has occurred since Dec. 14, 1987: - Person's name and job title - Date training completed - Location of training and number of hours completed in training
6-5	___	C. If initial cleaning has occurred since Dec. 14, 1987: - A record of the persons performing the cleaning; - Date of the cleaning; - Locations cleaned; - Methods used to perform cleaning
6-5	___	D. For O&M conducted since Dec. 14, 1987: - Name of person conducting O&M activity; - Start and completion dates of activity - Locations of activity - Description of activity including preventive measures used; - Name and location of storage or disposal site if removal occurred
6-5	___	E. For each major asbestos activity which occurred since 12.14.87:
	___	- Name and signature, State of Accred. and accred. # of each person performing the activity;
	___	- Start and completion dates of activity
	___	- Locations where activity occurred;
	___	- Description of activity including preventive measures used;
	___	- Name and location of storage or disposal site if removal occured

Page No.	Check Off	
6-5	___	F. For each fiber release episode which has occurred since 12.14.87: date and location of episode;
	___	- Method of repair, preventive measure or response action taken;
	___	- Name of each person performing the work;
	___	- Name and location of storage or disposal site if removal occurred

This Section includes floor plans of the building. The plans were developed from existing blue prints utilizing a process called Computer Aided Drafting and Design (CADD). The plans provide several important pieces of information including the sample locations, laboratory test results, areas in the building where asbestos is located, and the type of building material in which the asbestos is present. In order to effectively utilize these floor plans, you must understand how they were developed.

Layout:

The floor plans provide the layout of the various rooms and areas throughout the building.

Sample Location and Test Results:

All sample locations and test results are shown on the floor plans. They are indicated by three numbers separated by dashes. The first number represents the town in which the building is located. The second number is assigned to each individual building within that town. The third number is the number of the sample taken within that building. Therefore, symbol 43-2-1 would be town-43, building-2 and sample-1. The sample information is noted outside the building and there is a line drawn to the area of the building where the sample was taken. Below the sample identification number is the percentage of asbestos found in that sample.

Asbestos Locations

By reviewing the floor plans the user can quickly determine where the asbestos containing materials are located and what they are. In every room where asbestos containing building materials were found a symbol referencing that material is located in the room. If the symbol is referenced by a sample number it means that particular material was actually sampled in that room. If the symbol is not referenced by a sample number, this means that the material in that room was determined to contain asbestos based on its belonging to a homogeneous area containing asbestos which has been sampled elsewhere.

It is important that you understand the concept of a homogeneous area. It is really very simple. By definition a homogeneous area is one in which the materials are evenly mixed and similar in appearance and texture throughout. All that means is that the materials appear to be the same. Therefore, during the survey, all the materials throughout the school that appeared to be the same were grouped into homogeneous areas. For example, a given building may have had a white, specked 2' x 2' suspended ceiling in several of the classrooms. Therefore, one homogeneous area was described as 2' x 2' suspended ceiling and its area was comprised of every school classroom in which that suspended ceiling was present. Another example is hard joints on pipe insulation. Generally, hard joints on pipe insulation are similar in texture and appearance. Therefore, all joints on a particular type of pipe were considered one homogeneous area.

As you can see a homogeneous area is just the means by which similar materials are grouped. The importance of the homogeneous area is that it provides a method to determine whether or not a material contains asbestos without having to sample every building material in every room. When homogeneous areas have been defined, representative samples of that

material are taken and tested to determine whether or not they contain asbestos. Based on these test results, it can logically be presumed whether or not all the material in a given homogeneous area does or does not contain asbestos.

Therefore, in the floor plans, when a homogeneous area has asbestos containing building materials, the specific part of the homogeneous area that was sampled is denoted by a symbol and a line referencing the sample number. All other parts of the homogeneous area are denoted by the symbol.

The only exception to the above is the case when a material has been assumed to contain asbestos without actually being sampled. These materials will also appear by symbol on the floor plans. Materials such as lab countertops, transite board, kilns, fire curtains, fire blankets, and fire doors may be in this category of unsampled asbestos containing material.

Legend

There is a legend located in the front of the floor plans indicating the symbols for various building materials. The Environmental Protection Agency has broken asbestos containing building materials into three general categories: Surfacing, Thermal and Miscellaneous. Appropriate symbols are placed in each room where that particular type of asbestos containing building material is located. Most of the symbols are self-explanatory. However several need additional explanation.

Vinyl Floor Tile;

The symbol for vinyl floor tile is a square with a number in it. There is one number assigned for each different vinyl floor tile located in the building. For example, if one type of floor tile located in several rooms was square 12" x 12" yellow tile, this may have been designated as number 1 by the inspector. A white 12" x 12" vinyl floor tile may have been designated as number 2. In all cases the square represents the presence of vinyl floor tile. The number indicates a specified type of vinyl floor file. One number is assigned to each different homogeneous vinyl floor tile located throughout the building.

Suspended Acoustical Tile;

The symbol for suspended acoustical tile is a rectangle with the letter "S" and a number written inside. In all cases the rectangle and "S" represent the presence of suspended acoustical tile. The number indicates a specific type of suspended acoustical tile. One number is assigned to each different homogeneous suspended tile located throughout the building.

Acoustical Tile:

The symbol for acoustical tile is a rectangle with the letter "A" and a number written inside. In all cases the rectangle and "A" represent the presence of acoustical tile. The number indicates a specified type of acoustical tile. One number is assigned to each different homogeneous acoustical tile located throughout the building.

The regulations require that this report provide a considerable quantity of specific data related to asbestos containing materials within buildings. The information contained in this tabulation provides a condensed, easy to use summary of much of that data. It indicates whether or not the various building materials contain asbestos. If they do, the tabulation indicates where the asbestos is located, what kind of asbestos it is, and most importantly, what responses are going to be taken regarding that asbestos over a three phased program. The responses include both scheduled action by asbestos abatement contractors as well as day to day activities by the building's custodial and maintenance personnel.

You should find this tabulations easy to use and very helpful. To assist you in its use, the following pages provide column by column explanations of the spreadsheets.

HOMOGENEOUS AREA:

This column defines the various homogeneous areas throughout the building. It is important that you understand the concept of a homogeneous area. It is really very simple. By definition a homogeneous area is one in which the materials are evenly mixed and similar in appearance and texture throughout. All that means is that the materials appear to be the same. Therefore, during the survey, all the materials throughout the school that appeared to be the same were grouped into homogeneous areas. For example, a given building may have had a white, speckled 2' x 2' suspended ceiling in several of the classrooms. Therefore, one homogeneous area was described as 2' x 2' suspended ceiling and its area was comprised of every school classroom in which that suspended ceiling was present. Another example is hard joints on pipe insulation. Generally, hard joints on pipe insulation are similar in texture and appearance. Therefore, all joints on a particular type of pipe were considered one homogeneous area.

As you can see a homogeneous area is just the means by which similar materials are grouped. The importance of the homogeneous area is that it provides a method to determine whether or not a material contains asbestos without having to sample every building material in every room. When homogeneous areas have been defined, representative samples of that material are taken and tested to determine whether or not they contain asbestos. Based on those test results, it can logically be presumed whether or not all the material in a given homogeneous area does or does not contain asbestos.

Turning to the spreadsheet you will see that in the first column each homogeneous area is assigned a number starting with 1. The number of homogeneous areas in each building will vary depending on how many types of building materials there are.

DESCRIPTION

This column provides a brief description of what each homogeneous area is and lists all the areas within the building in which that material is present. For example, a description of one homogeneous area may be "Joint Insulation". Then under that description, will be a listing of all the rooms in the school in which that joint insulation is present.

SAMPLE NO.:

This column is for the sample number. The number is comprised of three numbers divided by dashes. The first number identifies your town. The second number identifies the building within the town. The third number identifies each individual sample taken within that building. For example, sample number 43-7-6 would represent Town-43, Building-7 and Sample-6.

For each homogeneous area, the sample numbers are listed only in the rooms where actual samples were taken. For all the other rooms within a homogeneous area where there is no sample number listed, there was no sample taken. However, because the materials are in the same homogeneous area, it is assumed that the materials are similar.

LAB NO.:

This column is the number that was assigned to each sample by the laboratory which tested the sample. In Section 9, there is a listing of all laboratory test results. There is a one page for each sample. If you were interested in reviewing the actual test report, you would use the number in this column to locate the detailed lab analysis found in Section 9.

PHOTO NO.:

This column is for the photograph number. When the survey was completed each sampling point was photographed. This number identifies that photograph. The photographs are on file at Universal Engineering Corporation and are available for review.

ASBESTOS TYPE:

If there is asbestos present, this column defines the percentage of asbestos and the type asbestos. These are defined by a number and a four letter abbreviation. The number is the percentage of asbestos and the four letter abbreviation represents the type of asbestos. In the lower left hand corner of each spreadsheet there is a legend which explains what each abbreviation stands for. For example, CHRY stands for Chrysotile.

If no asbestos was found in the sample, "0%" is listed in the column. Please note that only the specific samples taken indicate the type and percentage of asbestos. For all other areas within a homogeneous area where no specific sample was taken, the material is either assumed positive or negative based on the results of the actual samples.

MATERIAL:

The next three columns describe the material by three criteria; TYPE, LOCATION and QUANTITY.

Type:

This column identifies the type of material as "S" for Surfacing, "T" for Thermal or "M" for Miscellaneous. Surfacing materials include such items as acoustical spray, wall and ceiling plaster, and spray on fireproofing. Thermal materials include such items as hard joints, boiler insulation, and duct insulation. Miscellaneous materials include such items as suspended acoustical tile and vinyl floor tile. A complete listing of the materials within each type is included in the tabulation of symbols located in Section 3 of this report.

Location:

This column places the location of the sample into two broad categories. Either "AC" for above the ceiling of "BC" for below the ceiling.

Quantity:

This column is for the quantity of material. In the case of pipe insulation the quantity is linear feet. In case of hard joints the quantity is for each joint. Generally, in all other cases the quantity is in square feet.

FRIABILITY:

If a material contains asbestos, this column indicates whether the material is friable or non-friable. A friable material is one that contains more than 1% asbestos by weight and can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable materials are all other types of asbestos containing materials. It is important to remember that the danger of asbestos is when the fibers become airborne. Therefore, the friable asbestos is potentially more dangerous than the non-friable asbestos.

In this column each material to contain asbestos is defined by "F" for friable or "NF" for non-friable.

LEVEL OF DAMAGE:

The next four columns indicate the level at which the material is damaged. This is important because the danger of asbestos is when the fibers become airborne. Therefore if the material is in good condition and not damaged, there is a low likelihood of airborne fibers. The greater the damage, the greater the possibility of the fibers becoming airborne. The four columns are CONDITION, PHYSICAL, WATER AND DETERIORATION.

Condition:

The condition of the material can be placed into five different categories. "NO" for no damage, "PD" for potential for damage, "PSD" for potential for significant damage, "D" for damage, and "SD" for significant damage. The condition is very important because this is one of the main criteria under which decisions are made as to how the asbestos will be dealt with.

Physical:

Under this column a percentage of physical damage is estimated. An example of physical damage could be a tear on pipe insulation or holes poked through suspended ceiling. The higher the percentage of physical damage, the higher the response action.

Water:

This column indicate the level of damage as a result of water getting into the material. Again the higher the percentage of damage, the higher the response action.

Deterioration:

This column represents the deterioration of the material. It is considered as either "yes" for deteriorated or "no" for not deteriorated.

DISTURBANCE FACTOR:

The disturbance factor is the method for determining whether or not it is likely that the material is being disturbed or will be disturbed. It is categorized in the next four columns; ACCESS, VIBRATION, AIR FLOW, and AIR PLENUM.

Access:

This column is for the accessibility of the material. It can either be "h" for high, "m" for medium or "l" for low. This is an indication of the likelihood of the school community coming in contact with the material. For example, a material above a ceiling in a storage area would have a low accessibility. A suspended ceiling in a classroom will have a higher accessibility.

Vibration:

This is an indication of the likelihood of the material being effected by vibration. It is defined by "h" for high, "m" for medium or "l" for low.

Air Plenum:

An air plenum is an area within a building which supplies the heating, ventilating and air conditioning of the building. This is important because if it is located within an air plenum, the material can be distributed by the heating, ventilating and air conditioning throughout the building.

PHASE ONE, PHASE TWO, PHASE THREE:

The next nine columns detail what will happen to the asbestos over a three phased program. As indicated in the paragraph below entitled "Action", the preparers of this report determined the action to be taken with regard to the asbestos through response actions. These response actions can vary from a Response Action 1 which requires immediate isolation of the area and removing the asbestos as soon as possible, to Response Action 8 which requires initiating a continuing program of operation and maintenance. Each response action is keyed to a time for implementation with July 9, 1989 being the date that the overall plan must be implemented. Therefore, we have divided this management plan into a three phased program.

Phase One

This phase is for Response Action 1 which involves immediate isolation of the area and removal of significantly damaged asbestos as soon as possible. The projected completion date is August 31, 1990.

Phase Two

This phase is for Response Action 2 which involves the removal or repair of damaged asbestos with the highest potential for significant damage as soon as possible. It also details the operations and maintenance for materials that are not removed. The start date is July 9, 1989 and the projected completion date is August 31, 1990.

Phase Three

This phase is for response actions 3 thru 8. Response Actions 3 through 5 involve the repair of damaged materials and operations and maintenance. Response Actions 6 through 8 involve the operations and maintenance of materials that are not damaged. The start date is July 9, 1989. The projected completion date for repair work is August 31, 1992. There will be no completion date as operations and maintenance must continue until all asbestos is removed from the building.

There are three columns under each Phase entitled ACTION, O&M, AND COST.

Action

This column indicates the response actions. In accordance with EPA guidelines, the management plan recommendations (called response actions) were developed. Asbestos is a fibrous mineral that has been used in many different materials because of its insulating characteristics. Asbestos containing building materials (ACBM) maintained in good condition with no damage present no health hazard to anyone in contact with it. The danger exists when the material becomes damaged and the danger increases when the damaged material is further disturbed to cause the fibers to become airborne. Accordingly, response actions are based on a flow chart method using damage and disturbance factors to result in the appropriate recommendation.

Response actions vary from a rating of 1 through 8. Response action 1 is for significantly damaged material. As the potential for fiber release is highest under this condition, the regulations require isolation of the area with removal as soon as possible. This does not necessarily mean that there has been any health hazard. Response actions 2 through 5 are for damaged materials which require repair or removal beginning July 9, 1989 and continuing over the next few years. Response action 6 through 8 require monitoring and maintenance with removal only necessary if a building is demolished or renovated. It should be noted that encapsulation and enclosure are two other methods for asbestos abatement that are viable under certain circumstances. However, we do not anticipate that they will be frequently used. Copies of the decision trees used in developing the response actions as well as specific definitions of the response actions are included in Section 8.

O&M

This column indicates the operation and maintenance procedures which must be provided each year. In this column there will be a listing of various letters. The letters refer to subsections of the Operation and Maintenance plan which is located in Section 5. With this column the user can quickly determine what Operation and Maintenance Techniques should be utilized for a specific type of asbestos in a given room. For example, for a given room, if the O&M references are G, J, K, L and O, the user can refer to Section 5, and those lettered paragraphs will detail the correct procedures to safely deal with asbestos.

Cost

The costs for removal and replacement with non asbestos materials are detailed at the end of the spreadsheets. The costs are broken down by response actions, with separate costs noted for response actions 1, 2, 3, through 5 and 6 through 8. These costs are based on 1988 dollars and have been increased by 30% to include engineering and contingency. However, the asbestos industry is very volatile and the costs may increase dramatically in the future.

An estimated annual cost for operation and maintenance is also included. This is the cost for the School System and not for the individual school building. It will cover such costs as professional services, initial cleaning, equipment, training, and necessary administrative costs.

It is important to note that these costs are for removal. Removal is the ultimate solution as eventually the building will either be renovated or demolished which will require the removal of the asbestos. When renovated, the asbestos that would be disturbed during the renovation process will have to be removed. When demolished, all asbestos will have to be removed. Significantly damaged asbestos indicated by Response Action 1 generally has to be removed. Damaged asbestos indicated by response actions 2 through 5 can be abated by other mechanisms such as repair. This could significantly decrease the cost. The relative cost for repair will vary based on several factors including the amount of damage and the amount of site preparation and cleanup that is required. However, in many instances

relatively low repair costs will maintain the asbestos in good safe conditions for years to come. For response actions 6 through 8, no abatement activities are required. During the implementation of the management plans, individual situations will be reviewed to determine if removal or repair is more appropriate.

GENERAL COMMENTS:

The last column is for general comments. This column is for any special information that should be known.

This Section of the Management Plan includes extensive information which may at first glance seem confusing. However, when you go into the spreadsheets to find specific information and refer to the explanations above, we believe that you will find the spreadsheets to be an extremely quick and useful method for extracting necessary information. For a greater explanation of the contents of this Plan and how to use it, contact the individual that has been designated as the asbestos coordinator for your school.

OPERATIONS AND MAINTENANCE INDEX

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OPERATIONS AND MAINTENANCE PLAN

This operations and management plan details each type of repair, removal, or maintenance activity that is likely to be necessary to keep asbestos containing building materials in good repair. For easy access to the information contained in this operations and maintenance plan, refer to the spread sheets found in section four of this management plan along with the index found on the preceding page. Simply look up the lettered sections of this O & M plan listed on the spread sheets under the "O & M"column of each homogenous area to obtain the information appropriate tokeep the area of ACBM in good condition.

OBJECTIVE: The three main objectives of an Operations and Maintenance (O&M) program are:

1. To clean up existing contamination
2. To minimize future fiber release by controlling access to asbestos-containing building material (ACBM)
3. To maintain ACBM until it is eventually removed.

Since by law all but small quantities of ACBM must be removed from buildings before demolition, this O&M program is not a permanent solution. It is implemented as part of an overall asbestos management plan that has as its goal the elimination of asbestos exposure within the facility. The O&M program likewise is not a means by which full scale asbestos abatement is accomplished. Rather, intentional disruption of ACBM should be limited to repair or removal of small areas of significantly damaged ACBM, or small areas where removal is necessary to facilitate maintenance/renovation activities.

As long as ACBM remains in the building, the O&M plan must remain in effect. Unless the program is implemented properly, exposure of maintenance workers and building occupants may not decrease. ACBM may be disturbed by improper cleaning or repair methods.

The O&M program should be established as soon as the presence of ACBM is 4 confirmed or assumed to be present. It must address friable material as well as material about to become friable, such as transite board to be cut or drilled. The O&M includes a general set of procedures that apply to periodic inspection, building renovation, maintenance, cleaning and work done to maintain the material in good condition.

Though an O&M program may initially seem the most cost effective solution to an asbestos problem, there are many additional costs that must be taken into consideration. Money that could have been spent on removal must be spent on worker training, respirators, and health monitoring. These costs continue until the ACBM is removed. Asbestos removal is required during renovation or demolition.

Operation and Maintenance plans vary with the type of material present in the building. All maintenance activities are regulated under the EPA CFR 763.121 "Worker Protection Act", OSHA 29 CFR 1926.58 Asbestos Construction Standard, or Section 19 or the Occupational Health and Safety Act. Worker protection and safety requirements are of major importance if workers are exposed to the material in any way. Workers must be fit tested and respiratory equipment maintained. Medical examinations are also required in order to work with asbestos. These projects involve only areas thatinclude less than three square or linear feet. Any larger project MUST be performed by a licensed contractor. Be certain that your LEA is aware ofall activities involving Asbestos containing material. All outside contractors must also be notified of the location of asbestos containing material. Building occupants and the parents of children must also be notified in writing. The following types of activities can be performed by in-house staff:

- Removal of pipe insulation.
- Removal of small quantities of ACBM on beams or about ceiling.
- Replacement of gasket or valve.
- Installation of removal of small section of drywall.
- Installation of electrical conduits through or near ACBM.
- Removal of small quantities of ACBM for maintenance activities.
- Removal of material that can be contained in one glove bag.
- Minor repairs to asbestos containing wallboard.
- Small repairs that can be performed in a mini-enclosure, including enclosure, encapsulation, and removal.

These activities must be used for maintenance or emergency repair, NOT just for removal. The following sections will explain how to perform each asbestos related activity.

A. ORGANIZATIONAL STRUCTURE

The Asbestos Control Manager is responsible for the total implementation of this program and keeping the school board informed of all pertinent asbestos related activities. The Asbestos Control Manager is the main contact for any information on the asbestos control program. The responsibilities of the Control Manager are described in section six of this management plan.

B. NOTIFICATION OF OCCUPANTS

The Asbestos Control Manager is responsible for informing all building occupants of the asbestos control program. Notification serves two purposes: it alerts affected parties to a potential hazard in the buildings, and it provides basic information on avoiding the hazard. Building occupants, employees, and others who are aware of the presence of ACBM are less likely to disturb the material and cause fiber release.

All new employees and building occupants during their initial orientation, will be informed of the asbestos control program and locations of ACBM at this school.

Plan existence/availability notices to the staff, parents/guardians, short term workers, and the general public will be addressed in the following manner.

1. Staff: Bulletin Board Notices will be posted, and paycheck insert notices will be distributed.

2. Parents/Guardians: Announcement/informational handout will be provided at initial registration, PTA will provide notice during meetings, newspaper news releases will be filed and announcements will be made at conference times.

3. Short term workers: Notice will be included with Purchase Order for services, verbal notice will be made during each visit.

C. LABELING

Labeling in areas where ACBM is located is required in the case of thermal system insulation in mechanical rooms. Labeling is not intended as general information. It serves as a final line of defense to prevent unprotected individuals from disturbing ACBM, or entering areas where repair or renovation activities involving ACBM are underway. Warning signs used in conjunction with small renovation or repair that involves the disruption of ACBM should be posted at the entrances and around the perimeter of the project and in accordance with OSHA Asbestos Standard for the Construction Industry (29 CFR 1926.58).

Warning labels must be put on all asbestos-containing thermal system insulation in mechanical rooms that say the following:

CAUTION: ASBESTOS. HAZARDOUS.
DO NOT DISTURB WITHOUT PROPER
TRAINING AND EQUIPMENT.

All labels shall be prominently displayed in readily visible locations and shall remain posted until the ACBM that is labeled is removed.

D. TRAINING

Training of service (custodial and maintenance) workers is one of the most important aspects of an effective O&M plan. Training serves to establish proper awareness and understanding of work practices that are vital to the success of the program.

All service workers should receive at least two hours of general awareness training. This training session should include, at a minimum, all the information outlined in the notification section. Service personnel who conduct any activities that will result in the disturbance of ACBM must receive 14 hours of additional training which should include cleaning techniques, appropriate practices for handling ACBM, the proper use of personal protective equipment, and hands-on training. The training program should be conducted by the Asbestos Control Manager or a person trained in asbestos control and O&M programs.

E. RESPIRATORY PROTECTION

Any employer who requires or permits employees to wear a respirator must have a written respiratory protection program. This is required by OSHA in both of their asbestos standards (29 CFR 1910.1001 and 1926.58) and respiratory regulations (29 CFR 1910.134). The written respiratory program establishes standard operating procedures for the use and maintenance of respiratory equipment. The OSHA regulations outline exactly what must be included in a written program.

Minimum respiratory protection requirements include the use of a half-face HEPA filter negative pressure respirator. A higher degree of protection can be achieved using a full face mask or a power-assisted air purifying respirator (PAPR). It is preferable to use the highest level of protection possible when dealing with asbestos. Every worker who uses a respirator must have a medical exam and be fit tested. Never attempt to disturb asbestos without using properly fitted protective equipment. Personal exposure monitoring is required for workers to ensure that air levels are within the legal limits.

F. MEDICAL SURVEILLANCE

Employers are required to institute a medical surveillance program for all employees who are assigned to wear a negative-pressure respirator. All examinations and procedures must be performed by or under the supervision of a licensed physician at no cost to the employee. The purpose of the medical surveillance program is to establish an employee's fitness to wear a respirator, and to detect any changes in the gastrointestinal and cardiopulmonary systems as a result of working in asbestos contaminated areas. The OSHA regulation outlines what is required in the medical surveillance program.

G. CLEANING PROCEDURES

The cleaning activities described in this section are necessary for many different types of ACBM. This section is referenced in the spread sheets of section four for homogenous areas of asbestos containing friable surfacing material, thermal system insulation - including pipe, joint, tank, duct, and boiler insulation, and vinyl flooring. The cleaning practices detailed

in this section are for initial and six month periodic cleaning, as well as for specialized and emergency cleaning jobs which may become necessary in any building containing ACBM.

1. Initial Cleaning

   Following the specialized cleaning procedures outlined in section four below custodial staff should perform an initial thorough cleaning of the building. Steam-clean or HEPA vacuum all carpets throughout the building. HEPA vacuum all curtains and books. Wet mop all non-carpeted floors and wipe all shelves and other horizontal surfaces with damp cloths. Discard debris HEPA filters, mopheads, and cloths in sealed plastic bags according to EPA regulations for disposal of asbestos waste.

2. Periodic Cleaning

   Custodial staff should perform a thorough recleaning a minimum of once every six months. HEPA vacuum or steam-clean all carpets, wet mop all other floors, and wipe all other horizontal surfaces with damp cloths. Dispose of debris, filters, mopheads, and cloths in sealed plastic bags according to EPA regulations. Report the presence of debris observed near ACBM to the Asbestos Control Manager immediately. If debris accumulates, cleaning should be performed more often and repair or removal should be completed to eliminate the hazard.

3. Emergency Procedures

   If an emergency occurs, immediately notify the LEA and restrict access to the area. Common emergencies include pipe leaks, boiler breakdowns, and water damage. Keep the phone number of a reliable local contractor for problems that may be larger than the in-house staff can handle. If you are not certain of the size or the extent of the damage, have a contractor and consultant look at it immediately.

4. Specialized Cleaning Procedures

   Special cleaning practices should be followed in buildings with ACBM. Cleaning up existing asbestos contamination within a building is one of the primary objectives of the O&M program.

   Things not to do when cleaning asbestos-containing vinyl flooring or thermal system insulation:

   a. Do not sand asbestos flooring of backing material.
   b. Do not dust with a brush.

c. Do not dry sweep floors.
d. Do not use an ordinary vacuum to clean up asbestos debris.

The following precautions should always be used when cleaning ACBM:

- All dusting and mopping of the ACBM must be conducted using "wet" cleaning techniques (mops or cloths dampened with water or dust suppressant) or with special vacuum cleaners equipment with High Efficiency Particulate Air (HEPA) filters.

- Spray (mist) bottled of water or dust suppressant should be available and used to keep the mops and cloths damp.

- Cleaning materials (mop heads, cloths, etc.) should be washed after each cleaning, changed at regular intervals, and discarded as asbestos waste -- the materials should be placed in 6 mil plastic bags, the bags sealed and labeled: "DANGER -- CONTAINS ASBESTOS FIBERS - AVOID CREATING DUST - CANCER AND LUNG DISEASE HAZARD," and the bags deposited in an approved landfill. Small amounts of waste could be stored in labeled 55-gallon drums (or other durable containers) in secure areas on-site. A disposal company could then transport the waste to an approved landfill periodically.

- HEPA filters should be removed from vacuum cleaners with great care. Consult the manufacturer's instructions on filter removal. Workers should mist the filters with water as they are removed.

- Ladders, mops, buckets, vacuum cleaners, and all cleaning equipment should be washed or wiped with damp cloths when the cleaning is finished. Cloths should be discarded as asbestos waste.

- A regular cleaning schedule ofthe asbestos-containing thermal system insulation should be done at least every six months. The frequency of regular cleaning may need to change as the history of the ACBM condition is logged during periodic surveillance.

H. MAINTENANCE OF VINYL FLOORING

Proper upkeep, disturbance, and removal of vinyl asbestos flooring is explained in this section. Section H is referenced in the spread sheets for all homogenous areas of asbestos containing vinyl flooring. Although the main emphasis of this section is for vinyl asbestos flooring, the practices described in subsection three and four for drilling and removing vinyl asbestos flooring are recommended procedures for all vinyl flooring. It must be remembered that even for vinyl flooring which lab analysis has determined to be asbestos free, the mastic used on it and on all vinyl base boards could contain asbestos and should never be made friable by sanding. Any vinyl flooring not identified by this inspection which may be revealed upon removal of carpeting should be considered to contain asbestos until lab analysis proves otherwise.

1. Care of Vinyl Floor Tile

Do not sand, abrade, or wire brush vinyl asbestos tiles (VAT). VAT's are unlikely to release any fibers unless cut or sanded. Use HEPA attachments described in the section on cutting non-friable materials. The adhesive that is used to stick floor tiles to the floor is likely to have asbestos in it also. Do not sand or wire brush the adhesive. The best way to deal with VAT is to use regular detergent and floor wax. Keep a heavy layer of wax on the surface and that will act as an encapsulant. Use all procedures outlined in the sections for respiratory protection, protective clothing, and work area preparation. Remember that the adhesive probably has more asbestos than the tile itself. Dispose contaminated material and replace the tile with non-asbestos tile. Since the sharp tile edges could cut through a bag, wrap the tile in plastic and put them in a box. Wrap the box and put it in a bag or drum.

2. Stripping/Waxing Vinyl Flooring

a. Wet methods must always be used when stripping, waxing, or buffing asbestos-containing vinyl flooring.
b. Never dry buff the asbestos-containing vinyl flooring.
c. Always have a HEPA vacuum and respirators available if needed.
d. If a HEPA vacuum is required, all filters, cleaning clothes, and debris should be disposed of as asbestos waste.

3. Drilling of Vinyl Flooring

If it is necessary to drill into asbestos-containing vinyl flooring (making the ACBM friable). The following precautions must be followed.

a. Worker or workers should wear NIOSH/MSHS approved respirators equipped with HEPA filters cartridges.

b. Wet wipe the area to be drilled.

c. Use a HEPA vacuum adjacent to the drilling operation to pick up fibers and debris as the drilling occurs.

d. Dispose of any debris as asbestos waste as outlined in the previous section.

e. Clean up area as outlined above.

4. Removing or Repairing Vinyl Flooring

a. To remove small sections of floor tiles, dry ice or heat from a portable heater can be applied to the tops of the tiles, then the tiles can be pried up.

b. Use a 'wet' or solvent method to remove and clean the adhesive.

c. Do not sand the adhesive from the base flooring.

d. A HEPA vacuum or wet-wiping should be used to clean up as outlined above.

e. All tiles, cloths, and debris must be disposed of as asbestos waste.

I. WORK PRACTICES FOR MAINTENANCE ACTIVITIES

Maintenance activities affecting asbestos-containing thermal system insulation generally involve plumbing-type repairs. Frequently the ACBM must be removed to provide access to the valve, flange, or related system part needing maintenance. The extent of special work practices is tailor to reflect the likelihood that the ACBM will be disturbed and that asbestos fibers will be released. Four categories of potential disturbance are defined: (1) contact with ACBM is very unlikely, (2) accidental disturbance of ACBM is possible, (3) disturbance of ACBM is intended or likely - small disturbances (under three (3) feet of thermal system insulation), and (4) disturbance of ACBM is intended or likely large disturbances (greater than three (3) feet of thermal system insulation).

1. Contact with ACBM Unlikely

   Repairs which can be performed without contacting or disturbing the ACBM require only normal care, good workmanship, and respirators. A HEPA vacuum should be available for use if required.

2. Accidental Disturbance of ACBM Possible

   Maintenance tasks that involve no direct contact with ACBM may cause accidental disturbance. Vibrations created by maintenance activities in one part of a piping network will be transmitted to other parts. Vibrations could then cause fibers to be released from insulation which is exposed or not in good condition. If in doubt about the possibility of fiber release, thoroughly inspect the asbestos-containing material before undertaking the maintenance or repair work. Then, either correct the problem before starting, or assume that the maintenance work may cause accidental disturbance and fiber release. In this case, the following procedures should be used:

   a. Approval should be obtained from the Asbestos Control Manager before beginning work. The Asbestos Control Manager or supervisor should make an initial visit to the work site.

   b. The work should be scheduled after normal working hours, if possible, or access to the work area should be controlled: doors should be locked from the inside and signs posted to prevent unauthorized persons from entering the work area (e.g., "MAINTENANCE WORK IN PROGRESS, DO NOT ENTER"). Note, emergency exits must remain in operation.

   c. The air-handling system should be shut off or temporarily modified to prevent the distribution of any released fibers to areas outside the work site.

   d. A 6-mil polyethylene plastic drop cloth should be placed beneath the location of the maintenance work, extending at least 10 feet beyond all sides of the work site.

   e. Plastic sheets (6-mil polyethylene) should be cut and taped around any asbestos-containing insulation which might be accidentally disturbed. The plastic should be misted with amended water before sealing with tape. Workers should wear full respiratory protection and protective clothing.

f. After the maintenance work is completed, all tools, ladders, and other equipment should be HEPA-vacuumed or wiped with a damp cloth. Special care should be taken when removing the plastic from the insulation to minimize disturbance of ACBM dust or debris that may have fallen from the insulation.

g. If any debris is apparent on the drop cloth, floor, or elsewhere, it should be HEPA-vacuumed.

h. The plastic drop cloth should be wiped with a dampen cloth, carefully folded, and discarded as asbestos waste.

i. All clothes, vacuum bags/filters, and other disposable materials should be discarded in sealed and labeled plastic bags as asbestos waste.

j. Workers should HEPA-vacuum respirators and protective clothing at the work site. The clothing should then be discarded as asbestos waste. If the ACBM was disturbed during the course of the work, the workers should leave their respirators on, proceed to a shower room, shower with respirators on, and clean their respirators while in the shower.

3. Small Disturbance of ACBM Intended

Where less than 3 feet of asbestos-containing thermal system insulation must be removed to maintain or repair the thermal system, the following procedures should be used:

a. Approval should be obtained from the Asbestos Control Manager before beginning work. The Asbestos Control Manager or supervisor should make an initial visit to the work site.

b. The work should be scheduled after normal working hours, if possible, or access to the work area should be controlled: doors should be locked from the inside and signs posted to prevent unauthorized persons from entering the work area (e.g., "MAINTENANCE WORK IN PROGRESS, DO NOT ENTER"). Note, emergency exists must remain in operation.

c. The air-handling system should be shut off or temporarily modified to prevent the distribution of any released fibers to areas outside the work site.

d. Maintenance workers should wear at least air-purifying respirators with HEPA filters and protective clothing (suit, hood, and boots) in case of a fiber release accident.

e. The asbestos-containing thermal system insulation should be removed as necessary for the repairs, and the repairs made using standard glove bag techniques where possible (refer to the EPA publication: "Asbestos-in-Building Technical Bulletin: Abatement of Asbestos-Containing Pipe Insulation," 1986-2 and the OSHA Construction Industry Rule). Glove bags are fastened around the part to be repaired, the insulation is removed with knives and saws to make the part accessible, and the repairs are made using tools contained in the glove bag tool pouch.

f. At the conclusion of the work, Maintenance workers should clean their clothing using a HEPA vacuum and wet wiping.

g. All glove bags and any other used materials (including disposable clothing) should be discarded as asbestos waste. if the ACBM was disturbed during the course of the work, the workers should leave their respirators on, proceed to a shower room, shower with respirators on, and clean their respirators while in the shower.

h. Non-asbestos insulating material can be installed as necessary to replace insulation which was removed.

4. Large Disturbance of ACBM Intended

When more than 3 feet of asbestos-containing thermal system insulation must be removed to maintain or repair the thermal system, this is considered to be a large-scale disturbance of ACBM and glove bags are not feasible. With this situation an outside contractor should be hired for the removal project before the maintenance work begins. If maintenance personnel are to conduct the asbestos removal, they must be thoroughly trained in removal techniques as required by OSHA.

If the maintenance activities are likely to cause disturbance of ACBM on pipes, boilers, or ducts at sites other than just those undergoing repair (due to vibration, etc.), then the entire room or area must be isolated and large-scale asbestos removal procedures employed. These include: construction of containment barriers and ventilation system: use of protective clothing, and "type C" respirators by workers; proper disposal of asbestos debris; and proper cleanup of the work site followed by clearance air monitoring.

J. PROCEDURES FOR FIBER RELEASE EPISODES

As long as ACBM remains in the building, a fiber release episode could occur. A fiber release episode is when the ACBM becomes damaged in such a way as to release asbestos fibers to the atmosphere. Knowing the procedures necessary to control a fiber release episode is essential in any building which contains ACBM. Reference to this section is recommended for all homogenous areas of asbestos containing friable surfacing material and thermal system insulation - including pipe, joint, tank, duct, and boiler insulation, that are listed on the spread sheets of section four. Building custodial and maintenance staff should refer to this section to prevent a fiber release episode and to be thoroughly prepared for procedures should one occur. Custodial and maintenance workers should report to the Asbestos Control Manager the presence of debris on the floor, water or physical damage to the ACBM, or any other evidence of possible fiber release. Fiber release episodes can also occur during maintenance or renovation projects. The Asbestos Control Manager should assign a suitably trained in-house team to clean up debris and make repairs as soon as possible. For fiber release episodes of asbestos-containing thermal system insulation the following procedures should be used.

1. Workers should wear at minimum air-purifying respirators with HEPA filters.

2. Debris should be thoroughly saturated with water or amended water using a mister with a very fine spray. The debris should then be placed in a labeled 6-mil plastic bag for disposal and the floor should be cleaned with dampen cloths or a mop, or the debris can be collected with a HEPA vacuum cleaner.

3. Read the HEPA vacuum manual to thoroughly understand its operation before using it. Ask the sales representative for a detailed demonstration of how to use the HEPA vacuum. Always empty the vacuum under controlled conditions. remove the filter after dampening it and treat all waste as contaminated material. Misuse of a HEPA vacuum can cause a major contamination problem.

4. All debris and materials used in the cleanup should be discarded as asbestos waste.

5. Workers should vacuum their disposable suits, if used, before leaving the work site and discard them as asbestos waste.

6. The damaged ACBM should be repaired with asbestos-free spackling, plaster, cement, insulation, rewettable fiberglass or sealed with latex paint or an encapsulant.

7. Each fiber release episode should be documented and a report should be filed in this management plan or in the permanent asbestos file.

K. GLOVEBAG REMOVAL PROCEDURES FOR REPAIR/MAINTENANCE

This section explains the proper procedures for glovebag removal of ACBM. All homogenous areas of asbestos containing pipe and joint insulation recorded of the spread sheets reference this section of the O & M plan. Custodial and maintenance personnel should review this section if glovebagging is necessary to access an area where repair of maintenance is required. Remember, glovebag removal involves only areas less than 3 square or linear feet and can be done only for maintenance purposes-not for the sake of removal alone.

The work area must be secured according to the section on work area preparation. All persons not involved in the procedure must leave the site and warning signs must be posted. Try to perform the work when the building is unoccupied. Building occupants are very curious as to whether this type of operation could be harmful. The work area floor must be covered with plastic in case of breakage. Be generous with the plastic - it is a lot less expensive to be cautious with protection than to clean up a contaminated area.

The glovebag must fully cover the three feet or less to be removed, since the bag cannot be moved once it is in place. All tools such as wire cutters, bone saw, nylon brush and knife are to be placed in the pouch that is inside the bag. The tools are reached by using the gloves.

Inspect the work area and determine the location boundaries of the work to be accomplished. Be sure it is not over three feet! Cut the sides of the glovebag down far enough to place it over the pipe. Support the bottom of the glovebag to prevent the weight of the debris and water from causing the bag to leak or break. Always be as cautious as possible when dealing with asbestos.

Attach the top seam of the glove bag by taping with heavy duct tape. Use several different pieces overlapping each other instead of one long piece. Staple the tape at intervals of two or three inches. Fold the taped flap over on itself and tape again. Tape the bottom seam of the bag also. These precautions can prevent a costly and dangerous fiber release.

Tape the openings on each side of the glovebag where the pipes protrude. Put several layers of duct tape to ensure that there is no fiber release. The glovebag must then be smoke tested to ensure that there are no leaks. An aspirator bulb filled with smoke is inserted into an opening pre-cut by the manufacturer. The same opening will be used to insert a sprayer wand used to wet the material. If there is not opening on the glovebag, cut a small hole through a duct tape patch and insert the smoke tube. The duct tape patch ensures that the bag will not rip along that opening. Patch any area that leaks with duct tape. Upon insuring that the bag is air-tight, insert the spray wand and HEPA vacuum hose into either holes made by the manufacturer or self placed patched hole. Duct tape the equipment into the holes securely. The holes should be in the upper 1/3 of the bag so it is easy to wet the material. Use the best quality glovebags possible which will have reinforced entry holes for the smoke tube, spray wand, and HEPA-VAC hose. Some bags even have zippers, which eliminates the cutting section. Fold the taped flap over a itself and tape again. Tape the bottom seam of the bag also.

Completely wet the section of pipe to be removed, however, do not fill the glovebag with water. The solution used to wet the material must be "amended water'. The solution can be obtained through asbestos supply companies (or soap can be used). The amended water ensures that the material is wetted as evenly as possible. Using a razor, knife, or bone saw, cut through to the pipe on both sides and remove the material as smoothly as possible. use a retractable blade and always retract it when not in use being careful not to cut the bag open by mistake. A second person must keep the material wet using the wand. Soak the bare pipe and hand clean is using the rags and nylon brush that are in the pouch contained within the bag. Threaded areas of pipes and joint areas require particular attention to clean.

Wash down the interior of the glovebag and pipe section one final time to ensure that all debris is at the bottom of the bag. Place all tools into the hand part of one of the gloves. Pull the glove inside out, seal it with duct tape and cut between the sealed area. Retape the glove and place it in a bucket of water. Later, the glove may be untied and the tools cleaned. Activate the HEPA vacuum and collapse the bag as much as possible. Do not collapse too much or the bag will be damaged. The HEPA vacuum should continue to run during the entire process of removing the glovebag.

Twist the glovebag closed and tape it shut. A disposal bag should be placed over the glovebag while it is still on the pipe. Carefully cut the glovebag from the pipe and place in the disposal bag. Dispose of properly as asbestos containing waste.

The ends of the pipe must be covered with re-wettable fiberglass. Cut a large enough piece to cover the area and dip it in a bucket of clean water. Wrap it around the end of the pipe

and smooth until all openings are covered. Spray the bare pipe with encapsulant to lock down any remaining fibers. The pipe may be painted with heat resistant latex paint if desired.

L. REMOVAL OF ACBM

1. All removal or repair projects should be correctly and safely set up. These are minimum work practices required by state and federal law. Work may not be performed if the area exceeds three square or linear feet. You must have a contractor do the work if it exceeds these size limits. Refer back to this section whenever you plan to disturb asbestos containing material. The initial set up of any job that disturbs asbestos is as important as the actual removal itself. The following steps must be followed to ensure a safe project.

   a. Restrict entry - by physical isolation or scheduling to ensure unauthorized persons do not enter the area.

   b. Post warning signs at all entrances to the site to prevent unauthorized entry.

   c. Shut off air handling equipment or modify all air conditioning, heating, ventilation systems, etc. Restrict air movement (fans, windows).

   d. Remove moveable objects and cover remaining items with plastic. Duct tape 6-mil plastic over any remaining surfaces and duct tape to provide an air-tight seal. Decontaminate any objects that have debris by wet-wiping and HEPA vacuuming.

   e. Isolate the work area by sealing and taping vents, windows, air conditioners, ducts, drains, grills, windows, and doors etc. with plastic. If the building is occupied, the entrances to the work area must be sealed and caulked with plywood, gypsum board or a solid material. Plastic does not qualify as a critical barrier. Glove bag operations are exempt from this requirement. Ceramic tiles on floors, walls or ceiling that are impervious (no cracks, holes, fissures) need not be covered. If there is uncertainty regarding permeability, put up plastic.

   f. Cover walls and ceilings with plastic sheeting with seams and joints sealed with duct tape to make an impervious barrier to the floor, ceiling, wall etc. Two layers of plastic are required for the floor and walls with an overlap of 12" on the wall. The wall covering must overlap the floor.

g. Ground fault circuit interrupters must always be used when working in a WET environment.

h. Clean fixtures and equipment in the work area using proper cleaning methods.

i. Properly dispose of all ACBM in properly labeled, leak-proof containers.

2. Asbestos projects that involve less than 25 square or linear feet require the use of a change room that is used as the sole entrance and exit to the facility. Before leaving the removal area to enter the change room HEPA vacuum and wet wipe the protective clothing. All other equipment must be decontaminated by wet-wiping and HEPA vacuuming or by wrapping the material in two layers of 6 mil plastic or put in a drum with a locking lid. Glove bag operations are exempt from this requirement. Use of a changing room is applicable to removal of surface material where a glovebag cannot be used.

3. Read the HEPA vacuum manual to thoroughly understand its operation before using it. Ask the sales representative for a detailed demonstration of how to use the HEPA vacuum. Always empty the vacuum under controlled conditions. remove the filter after dampening it and treat all waste as contaminated material. Misuse of a HEPA vacuum can cause a major contamination problem.

4. Any material that is enclosed must be clearly identified in the building records. The enclosure must be airtight wooden structures must be made with tongue and groove construction and caulked. Gypsum board seams must be taped. Drills and other tools should have a HEPA attachment and all electrical conduits, telephone lines, etc. must be moved so there is not reason to re-enter the area. If this cannot be accomplished, the area should not be contained. Any wrapped material such as a boiler or pipe must be labeled as asbestos. A suspended ceiling can not quality as enclosure since it is not airtight.

5. Liquid encapsulants must be applied with an airless sprayer and are not to be used on severely damaged or deteriorating surfaces.

6. Asbestos must be wet when it is disturbed in any way. The material must be wet enough to keep the dust down, but not wet enough to cause the water to leak out of the project area. A surfactant must be used, as this increases the ability of the water to penetrate the

fibers. During the project, dispose of asbestos as it accumulates in double 6-mil labeled bags or drums with locking lids. Do not remove the material and leave it on the floor. When working at heights do not throw debris to the ground, have another individual put the debris in the disposal container.

M. CUTTING NON-FRIABLE MATERIAL

Non-friable ACM may be cut, however, great caution must be used. Non-friable asbestos containing material includes vinyl flooring, vinyl base board and transite board which may be listed as separate homogenous areas on the spread sheets of section four. Non-friable ACM also includes such material as lab countertops, fire doors, fire blankets, fire curtains, and kilns which when present are indicated by symbol on the plans of section three. Any of these materials which have not been sampled are assumed to contain asbestos. Non-friable ACBM may be cut using specialized HEPA attachments which are available for drills and saws, although they are expensive. The HEPA unit draws the asbestos fibers released by sawing or drilling through a set of filters. The unit must be used, cleaned, and filters replaced using protective clothing and respiratory equipment. Since specialized HEPA drills and saws are very expensive, whenever possible it is preferred to work around an ACBM to avoid cutting into it.

N. CEILING TILE REMOVAL AND REPLACEMENT

This section of the O & M plan provides the information necessary for removing and replacing asbestos containing and contaminated ceiling tiles and is referenced for all homogenous areas of asbestos containing acoustical and suspended acoustical tiles that may be listed on the spread sheets. Always refer to this section before removing and replacing a ceiling tile which contains asbestos. Remember, only areas of less than three square feet may be removed and only for necessary repair or maintenance activities.

Two types of problems exist when dealing with ceiling tiles. First, if the tile contains asbestos, follow all proper work procedures such as protective equipment and mini-enclosures. Be sure and check this report to determine if the ceiling tiles that require replacement contain asbestos. remove the tile carefully without breaking it and wrap it in plastic. Put it in a box or drum and dispose of roperly. Always replace with non-asbestos tiles.

A second problem with ceiling tiles is the presence of deteriorate piping or spray applied material above the ceiling. The asbestos either deteriorates and falls over the top of the tile or a removed section has been left open. Any debris that

falls when a ceiling tile is removed should be treated as asbestos containing material. Know that type of piping and joints are above the ceiling.

When removing a tile, try not to do it while the building is occupied. Use all precautions, including personal protection and mini-enclosures or sealing the area with plastic. Remove the tile and perform whatever repair you need to do. As soon as you remove the tile, HEPA vacuum any debris off the title and wet-wipe it with amended water. Clean and grid too if any debris is present. Carefully replace the tile and clean up any other debris that may have become dislodged. Dispose of the plastic as contaminated material and perform a final wet-wipe and HEPA vacuum of the area.

O. DISPOSAL OF ASBESTOS WASTE

Proper disposal of asbestos containing material is an important procedure for the well being of the environment. This section of the O & M plan is referenced for all asbestos containing material that was sampled and all material assumed to be ACBM that is recorded on the spread sheets. Always refer to this section when disposing of asbestos waste.

All asbestos containing materials, waste, bags and equipment (such as mopheads or air filters) must be disposed of in a labeled 6-mil polyethylene bag. The bag must be placed in a sealed impermeable container such as a drum. Water used for cleaning must be either filtered or placed in an impermeable container. A single drum may be used until it is full. The drum must be disposed of at a licensed landfill and a disposal receipt with the location obtained to prove that the waste was disposed of it legally. An interim storage area must be secured and locked with only trained personnel having access to it. Transportation must be done in closed trucks (not rented) and the truck wet cleaned after each sue. The easiest way to dispose of small amounts of asbestos is to accumulate it and have a licensed contractor remove it. Find a local company willing to provide this service to you.

P. OUTSIDE SERVICE CONTRACTORS

If any outside contractor is employed to do work where the ACBM may be disturbed (such as periodic cleaning, major renovation, or pipe repairs), contracts with such companies should include provisions to ensure that the workers can and will follow appropriate work practices. The contractor should provide proof that his workers have been properly notified about ACBM in the building where the work is to take place. For a major renovation or removal the contractor should also provide copies of the respiratory protection, medical surveillance, and worker training documentation submitted to OSHA. Also, the contractor

should provide historical air monitoring data with emphasis on projects similar to those likely to be encountered in the building for examples of previous projects.

Q. PERIODIC SURVEILLANCE OF ACBM

At least once every six (6) months, the Asbestos Control Manager or his designee will conduct periodic surveillance in each building that contains asbestos. Each person performing periodic surveillance shall:

1. Visually inspect all areas that have been identified as asbestos-containing.

2. Record the data of the surveillance, any changes in the conditions of the ACBM, and the name of the individual conducting the surveillance.

3. Submit to the Asbestos Control Manager a copy of such a record or report for inclusion into the management plan or permanent asbestos file.

The Asbestos Control Manager is responsible for compliance to this section. An example of the periodic surveillance form to be used is shown at the end of this document.

R. EQUIPMENT NEEDED

Every school should have on-site at least one HEPA vacuum cleaner to be used when needed. Also needed will be at least one half-mask air-purifying respirator for each worker who may be required to wear one. An asbestos emergency repair kit which contains the equipment and tools necessary for repair of damage asbestos-containing insulation and asbestos disposal bags is also recommended. Disposable suits may also be needed for maintenance workers.

S. RECORDKEEPING

All written records discussed in this Operations and Maintenance program should be maintained as part of this management plan.

ASBESTOS PROGRAM MANAGER'S RESPONSIBILITIES

The Asbestos Program Manager shall be responsible for the following:

1. Arranging and coordinating training for all faculty and staff with annual updates for new personnel.

2. Arranging for abatement procedures called for in the abatement/response section.

3. Complying with all state, OSHA, or EPA rules or regulations regarding asbestos abatement activities.

4. Routine maintenance activities by in-house personnel.

5. Coordinating and overseeing work done by outside contractors if the possibility exists that ACBM can be disturbed by this work.

6. Establishment of a respiratory protection program for "Asbestos Maintenance" in accordance with OSHA recommendations.

7. Procurement and maintenance of specialized equipment and supplies needed for implementation of this plan.

8. Monitoring of all asbestos containing materials in the building.

9. Ensure that all asbestos waste generated at the school is packaged, transported, and disposed of in accordance with EPA requirements and that the necessary chain of custody documentation is maintained.

10. Warnings, notifications, and record keeping as outlined in U.S. EPA Regulations 40 CFR Part 763.

11. Maintenance of all medical records required by OSHA for any school employees involved in in-house repair or removal of ACBM.

12. Updating existing management program every six months.

13. Labeling Asbestos Containing Building Materials.

RESOURCES NEEDED

EQUIPMENT:

HEPA vacuum
half-face respirator
emergency repair tool kit
disposable type suits
6-mil polyethylene sheeting

SUPPORT PERSONNEL:

Engineering Consultant
Trained Maintenance Personnel
Asbestos Project Manager

NOTIFICATION

The Asbestos Control Manager is responsible for informing all building occupants of the asbestos control program at the school. Notification serves two purposes: It alerts affected parties to a potential hazard in the building; and it provides basic information on avoiding the hazard. Building occupants, employees, and others who are aware of the presence of ACBM are less likely to disturb the material and cause fiber release.

Plan existence/availability notices will be posted to the staff, parents/guardians, short-term workers and the general public will be addressed in the following manner.

1. Staff: Bulletin board notices will be posted, and paycheck insert notices will be distributed.

2. Parent/Guardians: Announcement/informational handout will be provided at initial registration. PTA will provide notice during meetings, newspaper news releases will be filed and announcements will be made at conference times.

3. Short-term Workers: Notice will be included with Purchase Order for services, verbal notice will be made during our visit.

PERIODIC SURVEILLANCE

At least once every six months, the Asbestos Control Manager or his/her designee will conduct periodic surveillance in each building that contains asbestos-containing thermal system insulation. Each person performing periodic surveillance shall:

1. Visually inspect all areas that have been identified as asbestos-containing.

2. Record the data of the surveillance, his or her name, and any changes in the condition of ACBM.

3. Submit to the Asbestos Control Manager a copy of such a record or report for inclusion into the management plan or permanent asbestos file.

The Asbestos Control Manager is responsible for compliance of this section.

REINSPECTION

1. Reinspection of friable and nonfriable ACBM every three years.

2. Inspection by an accredited inspector.

3. Reinspection shall include:

   a. visual reinspection of all friable ACBM and newly friable ACBM. Reassessment of all friable ACBM.

   b. Recheck all previously nonfriable ACBM to determine if they have become friable.

   c. Identify newly friable materials.

   d. Collect and submit samples of newly friable ACBM if previously assumed to be ACBM.

   e. Assess under 763.88, newly friable ACBM.

   f. Reassess condition of previously identified friable ACBM.

   g. Record and submit:

      1. Reinspection report.
      2. Inventory of homogeneous areas. Exact sample site locations.
      3. Description of manner used to determine sample site locations.

Reinspection is the responsibility of the LEA or his designee.

RECORDKEEPING

The O&M plan contains the specifications and forms for keeping records regarding any repair or removal work involving ACBM. The recordkeeping procedure assures that:

1. Major repair work carried out by outside contractors is documented.

2. Minor repair work by qualified in-house worker is documented.

3. Monitoring of remaining asbestos is recorded.

4. Personnel records for training and medical monitoring are kept.

In general, this recordkeeping system must track two types of data: data on the physical condition of the ACBM's and actions taken on those ACBM's; the data associated with the personnel involved with the asbestos management program.

Tracking of the ACBM's may be thought of as the tracking of physical inventory. The condition of the material recorded at intervals (record of the inspection and surveillance), the recording of substantive changes in material status (removal, enclosure or encapsulation), various required reports to governing bodies (notices of abatement and disposal actions to the EPA) and the recording of a new audited inventory in the context of the 3 year reinspection.

Personnel tracking requires: identity; training; medical monitoring; and exposure of the individual to be recorded on a form (which is to be on file for a period of at least 30 years).

The following record formats and descriptions are intended as generalized basic examples of the type of records required for daily use.

LIST OF REQUIRED RECORDKEEPING (763.94)

A. Records location

1. Removal records retention

2. Records as part of the management plan.

B. For each preventive measure and response action:

1. Detailed written description of measure or action including:

- o Location of measure or action.
- o Methods used.
- o Reasons for selecting the measure of action.
  Names and addresses of all contractors involved.

2. Identification of person taking clearance air samples,

- o Locations where samples were collected,
- o Date of collection
- o Name and address of analysis lab,
- o Date of analysis
- o Method of analysis
- o Name and signature of person performing the analysis,
- o Statement that lab meets 763.90(1)(2)(ii),

C. For each person required to be trained under 763.92(a)(1) and (2):

- o Name and job title.
- o Date training completed
- o Location of training
- o Hours of training

D. For each periodic surveillance under 763.91(c):

- o Name of person performing surveillance,
- o Date of surveillance
- o Any changes in the conditions of materials.

E. For each cleaning under 763.91(d):

- o Name of each person performing cleaning,
- o Start and completion dates,
- o Locations,
- o Description of activity,
- o Method used,

F. For each time an O&M activity is performed under 763.91(d):

- o Name of each person performing activity.
- o Start and completion dates,
- o Locations,
- o Description of activity.
- o Measure used,
- o Locations of storage/disposal site,

G. For each time that a major asbestos activity under 763.91(a) is performed:

- o Name, signature, state of accreditation, and accreditation number of persons performing activities.
- o Start and completion dates,
- o Locations, and description of activity.
- o Methods used.
- o Location of storage disposal site.
- o Results of any air sampling analysis performed.

H. For each fiber release episode under 763.91(f):

- o Date and location of the episode,
- o Method of repair,
- o Preventive measures or response action taken.
- o Name of each person performing work.
- o Location of storage/disposal site.

DESCRIPTION OF FORMS

The Asbestos Work Order specifically identifies where the work is to be done, what ACBM-spaces(s) are affected, what work is to be done, who is to perform the work, how the work will be performed, and what additional documentation will be required.

If the building owner's employees or agents are involved in the work to be performed, then those employees are to be explicitly identified, and additional reporting requirements are imposed on them for personnel recordkeeping purposes. If a contractor is used, then the contractor is to be clearly identified, and that contractor is held responsible for recordkeeping with regard to his employees. However, the LEA must obtain and keep copies of these records, also.

Abatement Project Notice. The data required by the Abatement Project Notice to be sent to the EPA and state and a checklist reminder to send this document is contained on this part of the form.

In addition, a reminder is included that if removal is involved, an Asbestos-Containing Building Materials Disposal Document will be needed.

If detailed work conditions and specifications are required or documented elsewhere, then these controlling documents should be specifically cited under "Other Conditions of Work".

Note that the signature and specific title and date of signing by the Asbestos Program Manager are required. The EPA and possibly state agencies must be notified of all abatement action, the notice postmarked at least 10 days or more, (depending on state regulations and project size), in advance of the commencement of work. If it is an emergency action, then notice must be postmarked no later than 48 hours after the commencement of work. The Abatement Project Notice should provide to the EPA all required information.

Note that if removal is undertaken, the Abestos-Containing Building Materials Disposal Document must be on file with the Asbestos Program Manager, and the name and location of the landfill used for disposal must be provided to the EPA. In all cases, this document must be signed by the authorized Asbestos Program Manager.

Asbestos-Containing Building Materials Disposal Document. The building owner will forever retain ownership of the ACBM removed from the building. It is extremely important that the chain of custody for the materials be clearly documented. The Abestos-Containing Building Materials Disposal Document is needed to establish a chain of custody by identifying the source and quantity of the materials, a description of the materials, who had custody of the materials at any given point in time, and under what authority the materials were removed in the first place (i.e., the Asbestos Work Order Number).

The Asbestos Program Manager must ensure that all of the needed Asbestos-Containing Building Materials Disposal Documents required for a particular abatement project are accounted for and the originals properly filled out and returned for recordkeeping.

The sample documentation scheme and forms presented here should provide adequate record of any cleaning, repair, maintenance, renovation, or remodeling work undertaken during the life of the O&M program. It should be noted that the forms are provided as samples only, and use of these specific forms is not required.

Two sample forms are provided to illustrate the types of information needed for the management of personnel records. These include the Asbestos Worker's Monthly Activity Summary and Worker Medical Surveillance Record.

REQUIREMENTS FOR ASBESTOS ASSOCIATED PROJECTS

All work which may or may not have asbestos abatement as its principal purpose but which may result in the disturbance of more than three linear feet of asbestos surface on pipes or ducts or more than three square feet of asbestos surface on structures other than pipes or ducts must be carried out as an asbestos abatement project by persons certified pursuant to 453 CMR 6.03(2)(a) and in conformance with the notification requirements of 453 CMR 6.12, the work practice requirements of 453 CMR 6.14 and the requirements of all other applicable sections of 453 CMR 6.00.

All work which does not have asbestos abatement as its principal purpose but which may result in the disturbance of less than three linear feet of asbestos surface on pipes or ducts or less than three square feet of asbestos surface on structures other than pipes or ducts may be performed by persons other than those requiring certification under 453 CMR 6.03(2)(a), provided such persons have received 16 hours of Asbestos Associated Project Workers Training under the provisions of 453 CMR 6.10(4)h prior to engaging in such activities and all work is conducted in conformance with the applicable work practice requirements of 453 CMR 6.14.

Those persons which may participate in the required initial cleaning of areas containing friable and/or damaged ACBM must receive the 16 hours of Asbestos Associated Project Workers Training.

As abatement work is completed, all pertinent information that has been detailed in the Recordkeeping part of this section will be documented and maintained as part of this Management Plan.

PERIODIC SURVEILLANCE REPORT

RETURN COMPLETED FORM TO ASBESTOS PROGRAM MGR.

PAGE___ OF___

DATE: ___ ___,____

Building Number and Name

ROOM Number and Name

Building Location

IF THE STATUS OF THE ACBM HAS CHANGED. THEN PHOTOGRAPH THE AREA AND RECORD THE PHOTOGRAPH NUMBER IN THE SPACE PROVIDED. NOTIFY THE ASBESTOS PROGRAM MANAGER CONCERNING THE CHANGE.

SAMPLE AREA/LOT OR SALIENT ID	SAMPLE AREA/LOT OR SALIENT DESCRIPTION	LAST MAT. COND.			CHANGE ?		NEW PHOTO NUMBER	NOTES
		T	DC	PD	YES	NO		

Signature of Person Completing Report

Title of Person Completing Report

* REFERS TO MATERIAL TYPE AND DAMAGE CATEGORIES
. T – MATERIAL TYPE AS:
. S – SURFACING
. M – MISCELLANEOUS
. T – THERMAL SYSTEM

DC – DAMAGE CONDITION
. ND – NO DAMAGE
. D – DAMAGE
. SD – SIGNIFICANT DAMAGE

PD – POTENTIAL DAMAGE CATEGORIES
. NPD – NO POTENTIAL DAMAGE
. PD – POTENTIAL DAMAGE
. PSD – POTENTIAL SIG. DAMAGE

ASBESTOS WORKER'S MONTHLY ACTIVITY SUMMARY

DOCCUMENT CONTROL NUMBER | AWS | DATE:____ ___,____

EMPLOYER NAME AND ADDRESS

EMPLOYEE NUMBER

EMPLOYEE NAME

EMPLOYEE HOME ADDRESS, PHONE AND EMERGENCY CONTACT

DAY OF MONTH	HOURS BY CATEGORY FROM WORKER'S DAILY LOG						NOTES
	PERSONAL AIR MONITOR	OFF DUTY	RESPIRATOR	TYPE C AIR	AIR LOCK	ON-DUTY NO ASBESTOS	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

TOTALS

I HEREBY CERTIFY THAT THE ABOVE IS A TRUE AND CORRECT SUMMARY OF THIS WORKERS DAILY LOGS.

WORKER MEDICAL SURVEILLANCE RECORD

INDIVIDUAL'S NAME

INDIVIDUAL'S IDENTIFICATION NUMBER

PERMANENT STREET ADDRESS

EMERGENCY CONTACT PERSON

PERMANENT CITY, STATE AND ZIP

EMERGENCY CONTACT PHONE NUMBER

HOME PHONE NUMBER

ATTENDING PHYSICIAN

ATTENDING PHYSICIAN'S PHONE NUMBER

RESPIRATOR FIT TESTING

MEDICAL APPROVALS		TEST CONDUCTED BY:	DATE	MANUFACTURER'S DATA:	
DATE	PHYSICIAN			MAKE	MODEL

MEDICAL EXAMINATION HISTORY

DATE	PHYSICIAN	TYPE OF EXAMINATION	PERSON	RESULTS ON FILE AT LOCATION

ABATEMENT PROJECT NOTICE

BUILDING NUMBER

BUILDING NAME

BUILDING LOCATION AND OWNER

NOTICES TO EPA MUST BE POSTMARKED:

PLANNED ABATEMENT:
AT LEAST 10 DAYS BEFORE ABATEMENT BEGINS.

EMERGENCY ABATEMENT:
NO MORE THAN 48 HOURS AFTER PROJECT BEGINS.

SUBJECT TO CIVIL & CRIMINAL PENALTIES.

NOTICE SENT TO:

_____

_____

_____

_____

As required by 40 CFR 763.124 Toxic Substances; Asbestos Abatement Project, we wish to notify you of the following asbestos abatement project in the above idetified building

DATE OF NOTICE:

_____ _____, 19_____

PROJECT CLASS: PLANNED ABATMENT ☐ EMERGENCY ☐

PROJECT SIZE: LESS THAN ☐ or MORE THAN ☐ 3 LINEAR FEET OR 3 SQUARE FEET

DATE WORK (TO BE) STARTED: _____ _____. 19_____

DATE WORK (TO BE) COMPLETED: _____ _____, 19___

COVERING WORK ORDER (OR CONTRACT) ID

ACM space(s) INVOLVED: Number and name

TYPE OF WORK:

REMOVAL ☐ REPAIR ☐ ENCAPSULATION ☐ ENCLOSURE ☐ CLEANED UP ☐

OTHER: _____

IF REMOVAL UNDERTAKEN, THEN COMPLETE THIS SECTION

DISPOSTION OF ACBM, NAME OF LANDFILL

LOCATION OF LANDFILL

ASBESTOS CONTAINING MATERIAL DISPOSAL CHAIN OF CUSTODY DOCUMENT MUST BE ON FILE.

REPORT PREPARED BY: (SIGNATURE, DATE AND TITLE)

GENERAL BUILDING WORK AUTHORIZATION

DOCUMENT CONTROL NUMBER: _____ DATE: _____ ___, 19__

Building Number

Building Name

Building Location

DESCRIBE THE WORK TO BE PERFORMED

IDENTIFY THE ORGANIZATION OR INDIVIDUAL(S) WHO WILL PERFORM THE WORK

IDENTIFY THE ACM-space(s) INVOLVED IN THIS WORK

ACM-space(s) Number and Name

ASBESTOS PROGRAM MANAGER'S AUTHORIZATION MUST BE SIGNED PRIOR TO COMMENCEMENT OF WORK.

I HEREBY CERTIFY THAT, ACCORDING TO THE RECORDS, THE ABOVE DESCRIBED ACM-space(s) DO NOT CONTAIN ASBESTOS-CONTAINING BUILDING MATERIALS

SIGNATURE _____ TITLE _____ DATE: _____ ___, 19__

THE ABOVE IDENTIFIED ACM-space(s) CONTAIN ASBESTOS CONTAINING BUILDING MATERIALS, AND THE WORK MUST BE UNDERTAKEN IN ACCORDANCE WITH ALL APPLICABLE HEALTH AND SAFETY RULES AND REGULATIONS AND ATTACHED *ASBESTOS WORK ORDER* REQUIREMENTS.

ASBESTOS WORK ORDER NUMBER:

SIGNATURE

ASBESTOS WORK ORDER

DOCUMENT CONTROL NUMBER: ASB

DATE: _____ ___, 19__

REFERENCE GENERAL BUILDING WORK AUTHORIZATION NO.

Building Number

Building Name

Building Location and Owner

ACM-space(s) INVOLVED

ACM-space(s) Number and Name

DESCRIPTION OF WORK TO BE PERFORMED:

WORK TO BE PERFORMED BY: (identify contractor or, if Building Owner's employee's or agents are to perform the work, then the individual's names and employee identification numbers.

Employee Name and ID Number

CONTRACTOR IDENTIFICATION
(Name, Address, Phone Number, Cert. No. and State)

CONDITIONS OF WORK PERFORMANCE

It is an explicit condition of this work order that all work be performed in strict accordance with all applicable health and safety standards, and state of the art work practices.

If the Building Owner's employees or agents are involved in the work in any phase, then they are required to complete the WORKER'S DAILY LOG, and return this LOG to their supervisor at the end of work, daily.

WORK TO BE PERFORMED, AND ANY APPLICABLE TERMS AND CONDITIONS THEREOF ARE MORE FULLY DESCRIBED ON PAGE 2 OF THIS FORM, AND SAID PAGE IS HEREBY MADE A PART HEREOF.

ASBESTOS WORK ORDER – CONTINUATION

DOCUMENT CONTROL NUMBER: ASB DATE: _____ ____, 19__

GENERAL WORK CONDITIONS

TYPE OF MATERIAL

SURFACING
- FLOOR ☐
- WALL ☐
- CEILING
  - VISIBLE ☐
  - HIDDEN ☐

MISCELLANEOUS
- DESCRIBE: _____

THERMAL SYSTEMS
- PIPE LAGGING ☐
- BOILER COVER ☐
- DUCTING
  - INTAKE ☐
  - EXHAUST ☐
- FITTINGS, VALVES, ETC. ☐

ESTIMATED QUANTITY OF MATERIALS

Square Feet	Linear Feet	No. of Places

TYPE OF GENERAL PROTECTION

GENERAL OCCUPANT AND PUBLIC
- POLY ON FLOOR ☐
- MINI-ENCLOSURE ☐
- GLOVE BAG ☐
- NEGATIVE AIR ENCLOSURE ☐
- HEPA VACUUM ☐
- HVAC SHUTDOWN ☐
- POWER SHUTDOWN ☐
- WET CLEANING ☐
- OTHER (Describe): _____

GENERAL WORKER PROTECTION
- AIR-LOCK, CLEAN ROOM ☐
- TYPE G AIR ☐
- FULL BODY SUITS ☐

CLEARANCE APPROVAL METHOD

START OF WORK DATE: _____ ____, 19___

IF REMOVAL IS INVOLVED, THEN THE ASBESTOS CONTAINING MATERIALS DISPOSAL DOCUMENT IS MADE A PART HEREOF.

ABATEMENT PROJECT NOTICE SENT TO EPA. YES ☐

OTHER CONDITIONS OF WORK

ASBESTOS WORK ORDER APPROVAL BY ASBESTOS PROGRAM MANAGER

SIGNATURE _____ TITLE _____

ASBESTOS CONTAINING MATERIALS DISPOSAL DOCUMENT

DOCUMENT CONTROL NUMBER: _____ DATE: _____ ___, 19__

Building Number

Building Name

Building Location and Owner

PICK UP SITE: ESTIMATED QUANTITY OF ACBM:

DISPOSAL SITE: NUMBER OF CONTAINERS:

TRANSPORTED BY: TYPE OF CONTAINERS:

DESCRIPTION OF THE ACBM (S) TO BE DISPOSED OF:

REMOVED UNDER THE AUTHORITY OF THE WORK ORDER (OR CONTRACT) IDENTIFIED AS:

THE FOLLOWING SIGNATURES ESTABLISH THE CHAIN OF CUSTODY OF THE ABOVE DESCRIBED ACBM(S).

ACBM(S) PACKED UNDER THE SUPERVISION OF:

SIGNATURE TITLE:

EMPLOYED BY: DATE:

ACBM(S) TRANSPORTED BY:

SIGNATURE TITLE:

EMPLOYED BY: DATE: TRANSPORT MANIFEST NUMBER

ACBM(S) DISPOSAL SITE:

SITE LOCATION (CITY, STATE) SITE NAME

RECEIVED BY SIGNATURE: DATE OF RECEIPT

EMPLOYED BY: RECEIVING DOCUMENT NUMBER

REPORT PREPARED BY:

SIGNATURE DATE:

EMPLOYED BY: DATE:

THE ORIGINAL OF THIS DOCUMENT MUST BE RETURNED TO THE ASBESTOS PROGRAM MANAGER AT THE BUILDING OWNER'S LOCATION NAMED ABOVE.

REASSESSMENT OF ASBESTOS-CONTAINING MATERIALS
(Periodic Surveillance)

Location of asbestos-containing material(s) (building name):

_____

_____

_____

Type of asbestos-containing material:

VINYL FLOOR TILE_____
THERMAL INSULATION_____

Assessment:

1. Evidence of physical damage:_____
   _____
   _____

2. Evidence of water damage:_____
   _____
   _____

3. Evidence of delamination or other deterioration:_____
   _____
   _____

4. Other observations:_____
   _____
   _____
   _____
   _____

SIGNED:_____DATE:_____

OPERATIONS AND MAINTENANCE ACTIVITIES

PERSON PERFORMING ACTIVITY_____

START DATE_____

COMPLETION DATE_____

LOCATIONS

_____
_____
_____
_____

DESCRIPTION OF THE ACTIVITY

_____
_____
_____
_____

PREVENTIVE MEASURES USED

_____
_____
_____
_____

NAME AND LOCATION OF DISPOSAL SITE

_____
_____
_____
_____

I certify that all O&M procedures were performed in accordance with 40 CFR Part 763.91(D).

_____

NAME DATE

FIBER RELEASE EPISODE REPORT

1. Building and room number (s) where episode occurred:
_____
_____
_____
_____

2. The release episode was reported by:_____
_____on _____(date).

3. Describe the episode:_____
_____
_____
_____
_____
_____

4. The asbestos-containing material was _____/was not _____ cleaned according to approved procedures. Describe the cleanup:_____
_____
_____
_____
_____
_____
_____

SIGNED:_____DATE:_____
(Asbestos Control Manager)

BULK SAMPLING AND ANALYSIS PROCEDURES

Follow these steps (each step is described in more detail below):

1. Identify all friable surfacing materials and group into homogeneous Sample Areas. A homogeneous sampling area contains material that is uniform in texture and appearance, was installed at one time, and is unlikely to consist of more than one type, or formulation, of material.

2. Prepare diagrams of each Sampling Area to allow selection and documentation of sampling locations.

3. Divide the Sampling Area of friable surfacing material into nine equally subareas. This is done to help obtain samples that are representative of the entire Sample Area.

IDENTIFYING SAMPLING AREAS

All materials in the building must be identified. Check all spaces in the building, including halls, closets, attic spaces, and tunnels. Carefully inspect walls, ceilings, beams, ducts, and any other surfaces. ACBM is sometimes found in areas that are deemed inaccessible (e.g. behind walls, false ceilings, etc.). Sampling in these areas requires cooperation with the building owner due to the methods that may be necessary to reach the material. Removing cinderblock, climbing along beams and rafters and gutting holes through plaster or wallboard are not common practices.

Several types of friable surfacing material may have been applied within a single building. If the material is not completely contained within exterior wrapping or paint, then wet the material with amended water before touching and determine degree of friability. Group friable surfacing material into Homogeneous Sampling Areas. Materials installed at different times belong to different sampling areas. If there is any reason to suspect that materials might be different, even though they appear uniform, assign them to separate sampling areas. For example, material in different wings of a building, on different floors, or in special areas such as cafeterias, machine shops, band rooms, etc. should be assigned to separate sampling areas, unless there is good reason to believe that the material is identical throughout.

1. Determine the number of samples. The proper number of samples is based on the type of material and the size of the sample area.

2. Determine the sampling locations. The locations are chosen to obtain a representative sample and to avoid biases that could be introduced if personal judgement alone were used.

3. Collect samples. Follow guidelines designed to minimize fiber release.

4. Follow a Quality Assurance program. This involves collecting extra samples to ensure reliability of the laboratory analyses.

5. Send the samples to a qualified laboratory for analysis by polarized light microscopy.

6. Interpret the results. If any sample has more than 1% asbestos, by weight, then either assume that the entire sampling area contains asbestos or collect additional samples to determine more precisely the extend of the ACBM.

For a more complete reference of this procedure, see AHERA Final Rule 763.85-87, Section 12.

In a large multi-storage building (more than 10 stories), a separate Homogeneous Sample Area for each floor may not be necessary. If the material appears identical on every floor, several floors can be grouped into one sampling area. Do not group floors if it is known that the material was applied at different times, or if there is some other reason to suspect that the material might not be homogeneous. The selection of Homogeneous Sampling Areas is a subjective process. When in doubt, assign materials to separate sampling areas.

It is prudent to assume that every survey has its limitations in that there cannot be a guarantee that all ACBM will be located or identified during a bulk survey. As a general rule, it is the inspector's responsibility to locate the samples and assess all ACBM having the potential for fiber release during normal building activities. This would not involve "destructive sampling" prior to building demolition of areas not usually accessible. If the inspector does not receive permission to have access to all areas in a building, he/she should inform the building owner that a waiver from liability must be received.

PREPARATION OF DIAGRAMS

For each sampling area, prepare a diagram approximately to scale showing all friable materials in the sampling area. An example is shown in Figure 1-1. The sampling area diagram should include:

1. an identification number
2. brief description of the sampling area
3. area dimensions and scale
4. name and address of the building
5. name of inspector and date of inspection
6. name of person preparing the diagram and date prepared.

If the sampling area contains areas of friable material that are not adjacent (for example, homogeneous areas on consecutive floors of a building), sketch each separate area and place all

sketches on the same graph as close together as possible. The sampling area may contain areas that are not in one plane; for example, a ceiling and a wall with the same type of friable material. In this case, sketch each flat surface, and place the sketches on the same graph, as close together as possible. The sample area diagrams should be retained as part of the building owner's permanent asbestos program file.

NUMBER OF SAMPLES

1. Surfacing Material

   The EPA recommends that nine samples are collected from each homogeneous sampling areaof frialble surfacing material. However:

   a. At least three bulk samples shall be collected from each homogeneous area that is 1,000 square feet or less.

   b. At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 square feet but less than or equal to 5,000 square feet.

   c. At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 square feet.

2. Thermal System Insulation

   a. Collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is damaged or significantly damaged and is not assumed to be ACBM.

   b. Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACBM if the patched section is less than 6 linear of square feet.

   c. In a manner significant to determine whether the material is ACBM or not ACBM, collect bulk samples from each insulated mechanical system that is not assumed to be ACBM where cement is used on tees, elbows, or valves.

   d. Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system installation is fiberglass, foam glass, rubber, or other non-ACBM.

3. Miscellaneous Materials

a. Collect a sufficient number of randomly distributed samples from each homogeneous area of miscellaneous material such as vinyl floor tile, acoustical ceiling tile, peg/cork boards, transite panels, and fireproofing materials that are not assumed to be ACBM.

   Remember - Thermal system insulation that has retained its structural integrity and that has an undamaged protective jacket or wrap that prevents fiber release shall be deemed non-friable and does not have to be sampled.

SELECTION OF SAMPLE LOCATIONS

Sample locations are selected so that they are representative of the sampling area. When more than one sample is collected, a random sampling scheme is used to determine their location.

Choosing sample locations according to personal judgement produces samples which may not be representative and can lead to a wrong decision about the presence or absence of asbestos. The sampling scheme described here avoids this problem and controls the frequency of mistakes. Divide the sampling area into nine equally sized subareas. This is done by dividing the length and breadth of the sampling area into 3 equal lengths and drawing a grid over the diagram. This can be done carefully by eye. Exact measurements are not needed.

If the sampling area does not easily fit into a rectangular shape, parts of the grid might not be in the sampling area. This is not a problem in most cases. If however, a large part of the grid falls outside the sampling area (for example, if the Sample Area is L-shaped), it is advisable to divide the sampling area into two or more separate Sampling Areas, each of which is approximately rectangular, and select sample locations by applying the sampling scheme to each sampling area.

For greater coverage, one sample from each of the nine regions should be collected. For the first area to be sampled, locate the 9 subareas marked 1, 2, 3, 4, and 4, and so on. Take samples from approximately the center of a subarea or as close as possible to the center if accessible, unless the presence of light fixtures, etc. makes sampling from the center location impractical. If a subarea is specified that falls entirely outside the sampling area, use the next specified subarea instead. For example, if subarea 3 falls outside the sampling area, take the third sample from subarea 4. For very irregularly shaped areas, the sampling area may be divided into nine approximately equally sized subareas that do not necessarily form a rectangular grid. When adapting sampling diagrams, retain the order of the number of subareas from left to right and top to bottom wherever possible.

IDENTIFICATION OF SAMPLING LOCATIONS

Assign a sample ID number to each sample location. This ID number will be on the sampling container when it goes to the laboratory for analysis. Record the ID number and the sample location of the sampling area diagram and also in a permanent logbook. This must be done carefully so that there is no uncertainty about the location and identity of each sample. Make sure that no two samples have the same ID number.

SAMPLE COLLECTION

The following guidelines for sample collection are designed to minimize damage to the ACBM and the dangers of possible fiber release.

1. Collect samples while the area is unoccupied.
2. Wear nonslip rubber soled shoes.
3. Wear at least a half-face respirator with disposable HEPA filters. If a higher protection factor is necessary or desired, wear a Powered Air-Purifying Respirator.
4. Wet the surface of the material to be sampled with water mist from a spray bottle or place a plastic bag around the sampler with the open end of the bag pressed tightly against the wall or ceiling.
5. Sample with a cork borer or knife. With a twisting motion, slowly push the cork borer into the material. Be sure to penetrate any paint or protective coating and all layers of the material. If a knife is used, make sure to insert the blade all the way into the material and cut a small triangle core out of the material.
6. For reusable samples, extract and eject the sample into a container. Wet-wipe the tube and plunger.
7. Suggested sample containers for use with reusable sampler include: zip-lock bags, whirl-pack plastic bags, and film canisters (available by the hundreds from camera stores). These three types of containers are lightweight, easily carried and stored, and are relatively inexpensive. Avoid any container that might break, tear or lose its lid if accidentally dropped.
8. Label the container using a permanent marker with the date and unique sample ID number that is marked on the sampling area diagram. Labeling the sampling location itself using duct tape or first-aid tape and invisible marker may facilitate reinspection at a later date.
9. Clean debris using wet towels or sponges and discard them in a plastic bag.
10. Use latex spray paint or a similar sealant or a bridging material such as plaster or other enclosure material such as rewettable fiberglass to cover the spot where the sample was taken.
11. In the case of thermal insulation, the same may be repaired using an encapsulant and wrapping with duct tape.
12. Double bag all samples by placing them in a larger zip lock bag or sealed plastic bag before transporting.

QUALITY ASSURANCE

A quality assurance program is important to ensure the reliability of results from laboratory analyses. Essentially identical samples (which should have the same content) are submitted for laboratory analysis and the results are compared. These quality control (QC) samples may be obtained by taking two samples immediately adjacent to each other ("side-by-side" samples). The QC samples are labeled and handled in the same way as ordinary samples. The laboratory should not know which samples are QC samples. Collect at least 1 QC sample per building or 1 QC sample per 10 samples, whichever is larger. The QC sample should be analyzed by the primary laboratory or at a second laboratory to confirm the results of the first analysis. Any disagreements about the presence or absence of asbestos should be investigated by re-analyzing the samples or collecting additional samples.

LABORATORY ANALYSIS

The recommended method of bulk sample analysis for asbestos is polarized light microscopy. The average cost of analysis is between $25 and $35 per sample. The National Bureau of Standards administers a bulk asbestos sample quality assurance program. Lists of participating laboratories, their performance scores and further information on the program are available from the Asbestos Technical Information Services at (800) 334-8571. Selection of an analytical laboratory should be based on successful participation in the NBS bulk asbestos sample quality assurance program. American Industrial Hygiene Association accreditation is also a desirable factor when choosing an analytical laboratory. The recommended method of analysis employs the use of polarized light microscopy with dispersion staining and stereobinocular examination. It is an analytical technique which is based on the optical properties of crystalline and non-crystalline substances. The samples taken during this inspection were analyzed by Davis & Floyd, Inc.

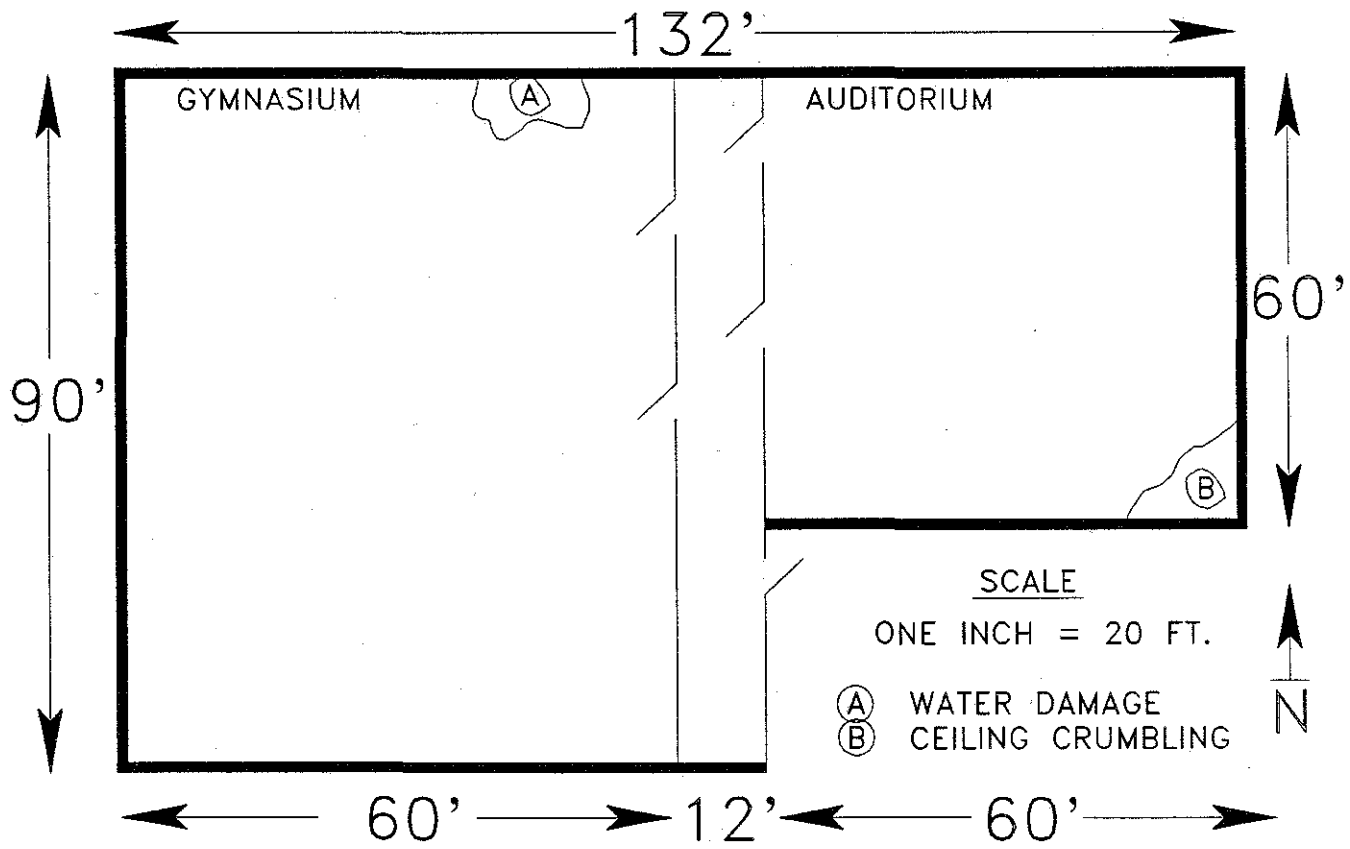
INTERPRETATION OF RESULTS

If one or more samples from a sampling area has more than 1% asbestos, then treat the sampling area as if it contains asbestos. If any doubt remains or if further information is needed, then collect additional samples.

Homogeneous
Sampling Area #1

Description

Asbestos Containing Building description
of area below



School _____
Address _____
Inspector _____
Date of Inspection _____

Asbestos Project Manager
_____
Telephone Number
_____
Diagram Prepared by
_____
Date _____

Figure 1-1. An example of a Homogeneous Sampling Area diagram.

TABLE 1–A. Sampling locations for each Homogeneous Sampling Area. Take the first sample from the center of the subarea marked 1, take the second sample from the center of the subarea marked 2, etc.

Sampling Area	Subarea Sampling Locations	Sampling Area	Subarea Sampling Locations	Sampling Area	Subarea Sampling Locations
	9 8 1		5 8 1		8 5 2
1	2 7 6	7	4 3 6	13	3 6 9
	5 3 4		2 7 9		7 1 4
	8 7 1		5 7 1		4 1 6
2	3 9 5	8	6 3 4	14	3 9 7
	4 2 6		2 8 9		8 5 2
	4 1 7		3 6 4		3 5 6
3	2 9 6	9	9 2 7	15	9 2 8
	8 5 3		5 8 1		7 4 1
	6 1 8		5 7 3		4 8 3
4	5 9 3	10	8 1 6	16	2 5 9
	2 7 4		2 9 4		7 1 6
	6 4 3		5 1 6		8 2 7
5	1 5 8	11	3 4 9	17	4 5 3
	9 2 7		7 8 2		1 9 6
	7 4 3		7 1 9		2 5 9
6	6 1 5	12	2 4 5	18	6 1 8
	2 9 8		6 8 3		4 7 3

HAZARD ASSESSMENT

Hazard Assessment

Hazard assessment relies on both objective and subjective analysis, and quantitative and qualitative data. The condition of the ACBM is a principal criterion, followed by accessibility. Other elements of analysis which may be considered include the size of the population potentially exposed, and the likelihood of continued exposure.

It should be noted here that all of the assessment factors listed above are indirect attempts to measure actual exposure of building occupants to airborne asbestos. Only a thorough physical inspection which documents all of the physical factors of concern can yield useful data for hazard assessment and eventual corrective action.

Assessment Definitions

1. Physical Condition and Fiber Release Potential: The current condition of the ACBM is an indicator of its tendency to release asbestos fibers. Badly damaged or deteriorated ACBM suggests a serious loss of cohesion within the material and a subsequent release of fibers. Evidence of damage also reflects previous disturbance and release of fibers when the disturbance occurred. The following defined conditions/descriptions were used to help in determining the hazard prioritization of ACBM.

a. Deterioration -- ACBM may deteriorate with age as a result of either poor quality of installation or environmental influences (e.g., heat, humidity, other atmospheric contaminants). These factors affect the cohesive strength of the ACBM or adhesion to the substrate (for surfacing material) or the integrity of the protective covering (for thermal insulation). Deterioration of surfacing material can result in increased dusting or fallout of material from the ACBM surface, cracking, delamination (i.e., separation into layers), or adhesive failure where the material pulls away from the substrate. Hanging material on coverings, and powder or debris on horizontal surfaces, are evidence of deterioration.

b. Friability -- Materials which are friable are more likely to release fibers, if disturbed, than non-friable materials. There is also some evidence which indicated that hard and brittle material may present greater fiber release potential than softer ones.

c. Physical Damage -- Accidental or deliberate contact with ACBM can result in damage. Evidence of physical damage includes finger marks, graffiti, dislodged or missing pieces, scrape marks from movable equipment or furniture, or ripped

jackets or protective coverings. Powder or debris on floors, shelves, or other horizontal surfaces often confirms the damage and may indicate how recently it occurred.

d. Water Damage -- Water damage is usually caused by roof leaks (particularly in buildings with flat roofs or concrete slab and steel beam construction) or plumbing/piping leaks. High humidity in the vicinity of pools, locker rooms, and lavatories can also cause water damage. Water can dissolve and wash out binders in ACBM, causing the material to blister, delaminate, or to transportfibers away from the ACBM. Subsequent evaporation of the water can leave a dry deposit of fibers which can then be released into the air. Evidence of water damage includes stains or discolorations on the walls or floors, buckling of floors and walls, and delamination or adhesive failure of the ACBM. In some cases, the area of staining may be much smaller than the water damage itself.

2. Disturbance Factors: The potential for ACBM to be disturbed is determined by evaluating three factors - accessibility, vibration, and air erosion. Accessibility of the ACBM to service workers or other building occupants suggests disturbance by physical contact. Vibration due to the activities of building occupants, the operation of mechanical equipment, or other influences also can disturb the material and cause fiber release. Erosion of fibers from ACBM by the force of air is another form of disturbance.

a. Accessibility -- Any ACBM that is accessible can be disturbed. This includes any material that can be reached by building occupants or custodial/maintenance personnel, either directly or with equipment or other objects. Nearness of the ACBM to heating, ventilation, lighting, and plumbing systems requiring periodic repair of maintenance is a primary cause of disturbance. Thus, fireproofing ACBM on beams above suspended ceilings and insulation pipes and boilers should be considered highly accessible if maintenance workers need to enter the space or are likely to contact the material during normal maintenance activities. Only if workers rarely enter the area where ACBM is located should accessibility be considered low. Accessibility to other building occupants, especially to students of schools, is another consideration. Height above the floor is one measure of accessibility for this group of occupants. Thus, ACBM in a stairwell eight feet above the stairs is highly accessible, while ACBM on a 25-foot gymnasium ceiling is probably not accessible. Note, that objects (including basketballs) can be used to damage what would otherwise be considered inaccessible surfaces.

b. Vibration -- High levels of activity such as running and other athletic activities tend to create vibration which accelerates the fiber release process. Vibration from mechanical equipment, road vehicles, and airplanes or from

sound waves (e.g., music or noise) may have a similar effect on the ACBM. Thus, ACBM on the ceiling of a room beneath a gymnasium or on the walls of a music room and ACBM sprayed on ventilation should be rated as subject to vibration. Ducts will likely be vibrated by fans or other equipment in the air-handling system. Occasional vibration from airplanes or vehicles a few times per week is probably not significant, but regular occurrences at an airport or near a busy street would be important.

c. Air-Erosion -- The movement of an air stream may erode an ACBM surface causing fibers to be released. Erosion may occur in an air plenum (see discussion below under Air Flow) in an air or elevator shaft, or downstream from a vent or register. The likelihood that erosion may occur, is related to the speed with which the air strikes the surface.

d. Activity -- The use of the area indicates the likelihood of exposure and disturbance. Classrooms, service areas and offices are likely to differ in the frequency and duration of use.

3. Air Flow: An air flow transports fibers from the point of release from the ACBM to other areas in the building. Air plenums, air shafts and elevator shafts represent different types of air flow.

a. Air Plenum -- The space between a permanent ceiling and a lower, suspended ceiling is often used to transport ventilation air. Typically, a plenum of this type is used to return air from rooms and corridors to air handling equipment, although plenums are used occasionally to supply air to building spaces. A suspended ceiling with vents or registers that are not connected directly to ducts suggests that the space above is an air plenum. Any fibers released in an air plenum can be transported and thus contaminate all spaces served by the air handling system.

b. Air Shaft -- An air shaft serves the same function as an air plenum but typically runs vertically, connecting several air plenums to complete the circuit of return or supplied air.

c. Elevator Shaft -- An elevator shaft is a type of air shaft. The movement of the elevator may transport airborne fibers from the shaft to occupied spaces, and from floor to floor.

RESPONSE ACTIONS

Using the decision tree method as a guide, the recommended response action(s) from each homogeneous area are recorded on the tabulation sheet in Section 4. The decision tree method is illustrated in the following pages.

RESPONSE ACTION KEY

ACTION 1 — Isolate area and restrict access. Remove as soon as possible.

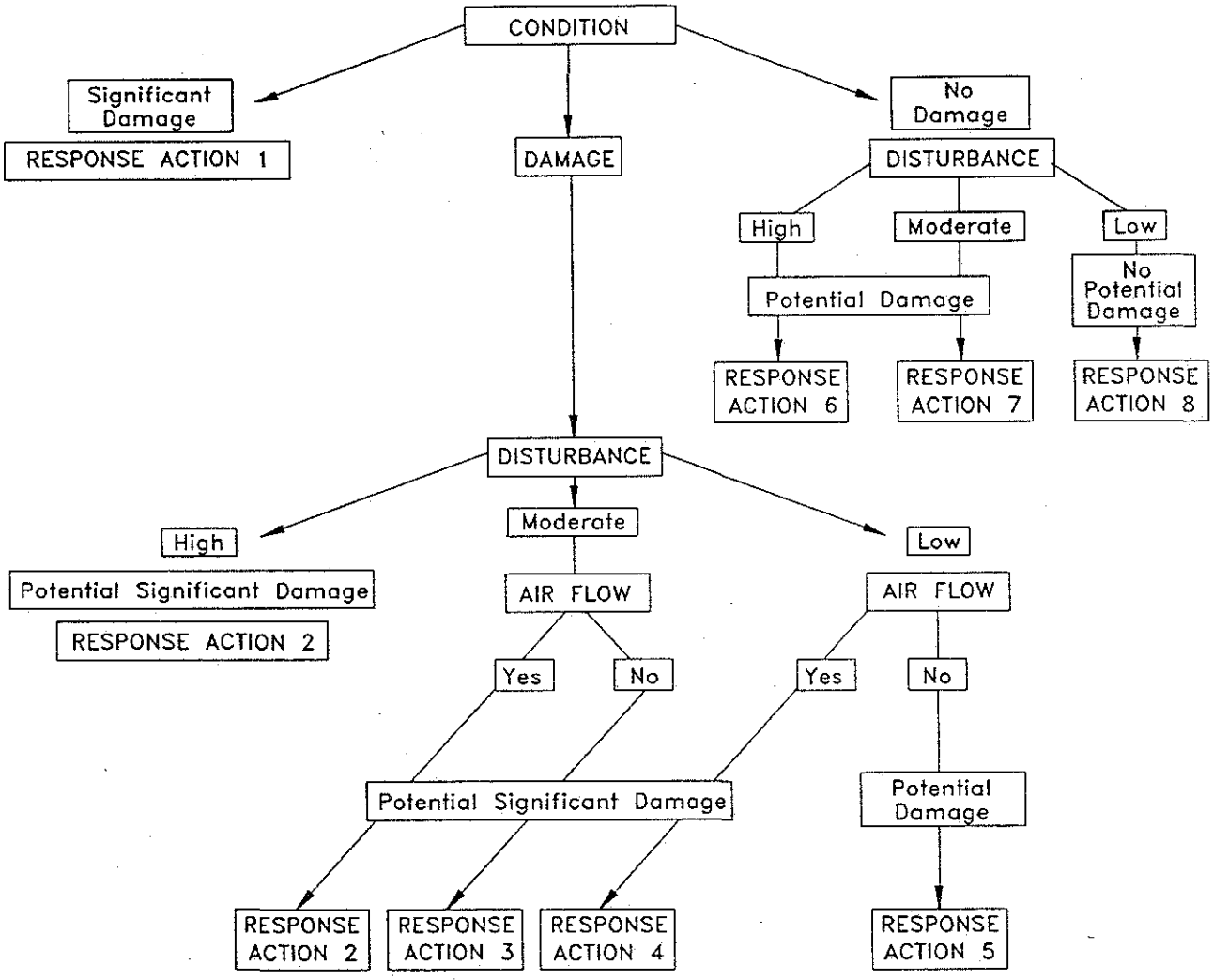
ACTION 2 — Continue operation and maintenance. Repair or remove as soon as possible, or reduce potential for disturbance.

ACTION 3-5 — Repair, continue operation and maintenance. Number indicates priority if all repair cannot be done immediately.

ACTION 6-7 — Continue operation and maintenance. Take preventive measures to reduce disturbance. Number indicates priority for removal.

ACTION 8 — Continue operation and maintenance until major renovation or demolition requires removal under NESHAPS or until hazard assessment factors change.

DECISION TREE FOR THERMAL SYSTEM INSULATION



RESPONSE ACTION KEY

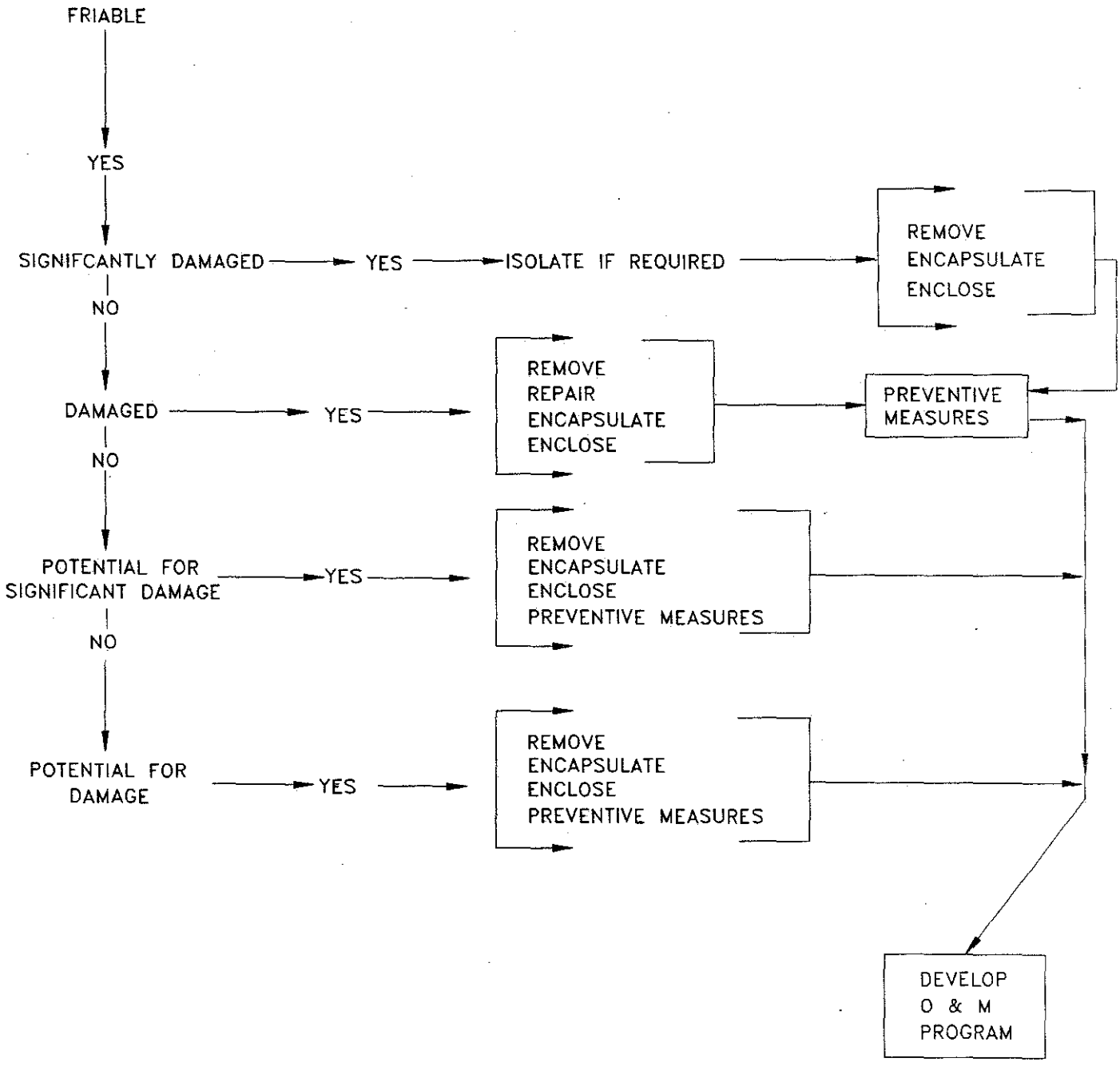
1. Isolate area and restrict access. Remove as soon as possible.
2. Continue O & M. Repair or remove as soon as possible, or reduce potential for disturbance.

3–5. Repair, continue O & M. Number indicates priority if all repairs cannot be done immediately.

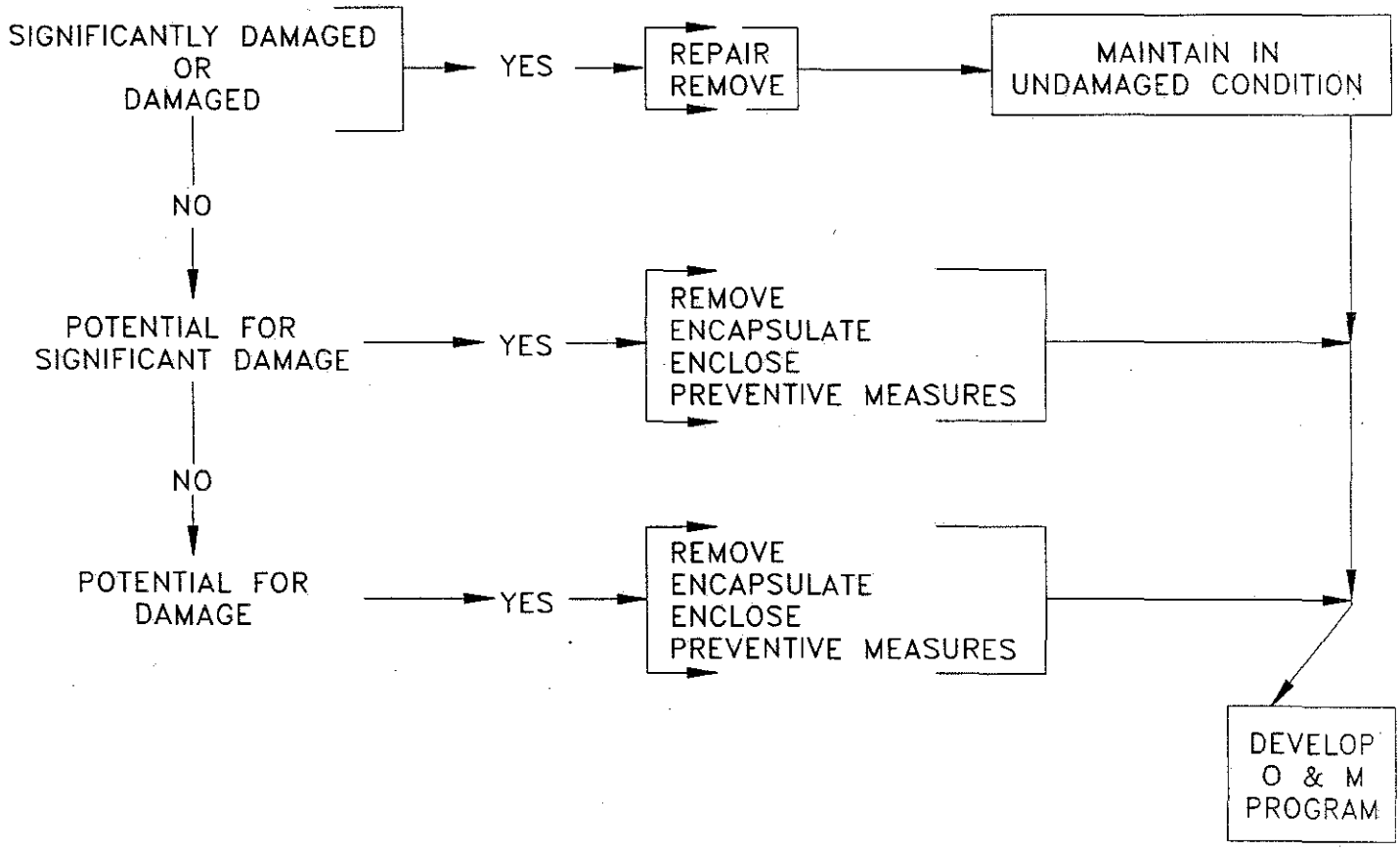
6–7. Continue O & M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O & M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

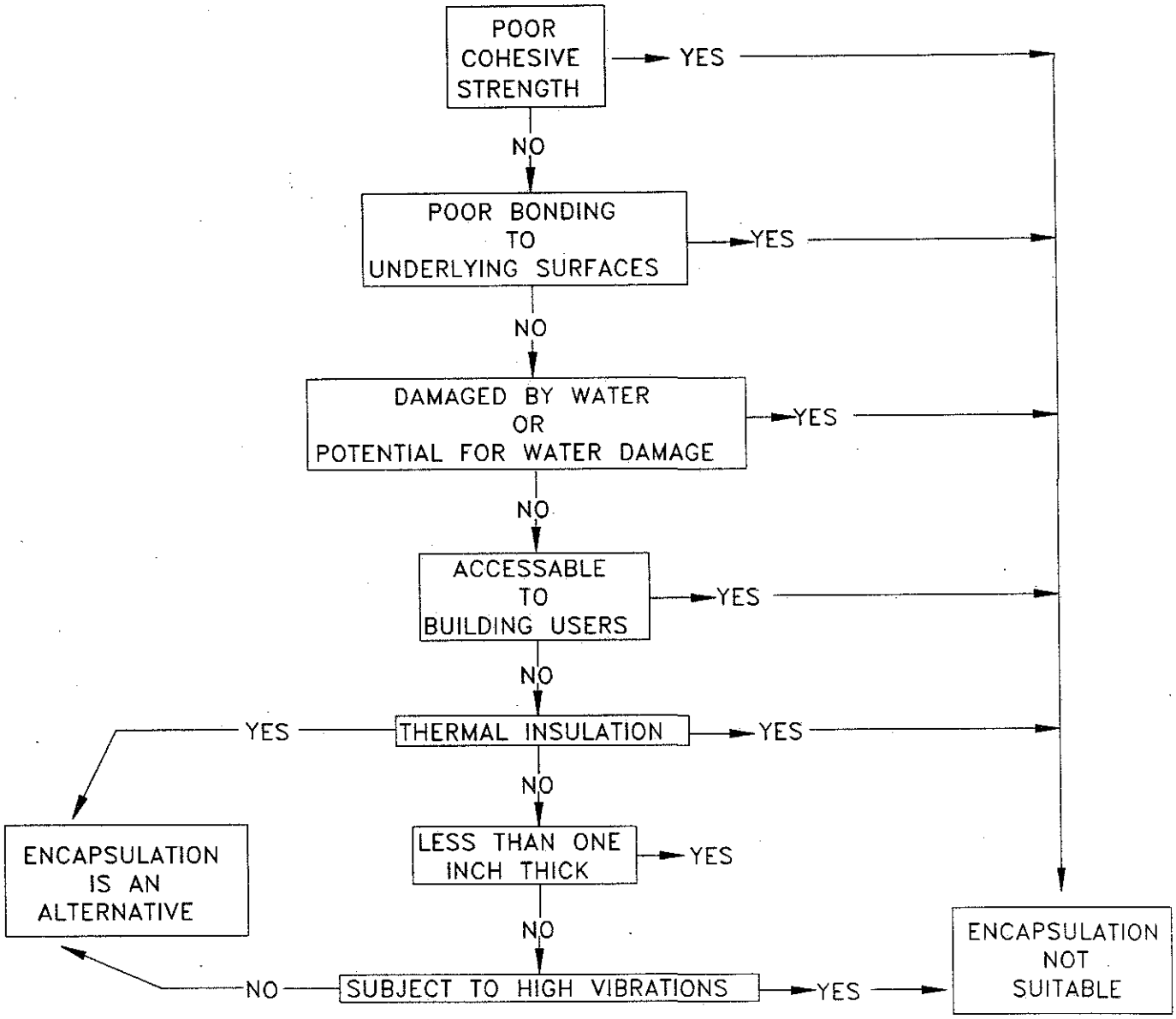
FRIABLE SURFACING & MISCELLANEOUS ACBM



THERMAL SYSTEM INSULATION



ENCAPSULATION DECISIONS



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CONSULTING ENGINEERS

POST OFFICE DRAWER 428

GREENWOOD, SOUTH CAROLINA 29648

803-229-5211

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-1 Laboratory sample #: 8816702
Sample Date: 06/26/88
Description: PIPE INSULATION

Asbestos Type(s) Present: 1

Asbestos Materials		Estimated Percentage
1. Chrysotile	:	20
2. Amosite	:	0
3. Crocidolite	:	0
4. Anthrophyllite	:	0
5. Tremolite	:	0
6. Actinolite	:	0
	Asbestos Total:	20

Other Components		Estimated Percentage
1. Cellulose Fibers	:	60
2. Glass Fibers	:	0
3. Mineral Wool Fibers	:	10
4. Perlite	:	0
5. Mica	:	0
6. Binder	:	10
7. Other	:	0
	Other Total:	80

Comments -- The Method used was PLM/DS.
:

Sampled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

Davis & Floyd, Inc.

CONSULTING ENGINEERS

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GREENWOOD, SOUTH CAROLINA 29648

803-229-5211

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-2 Laboratory sample #: 8816703
Sample Date: 09/26/88
Description: JOINT INSULATION

Asbestos Type(s) Present: 1

Asbestos Materials		Estimated Percentage
1. Chrysotile	:	50
2. Amosite	:	0
3. Crocidolite	:	0
4. Anthrophyllite	:	0
5. Tremolite	:	0
6. Actinolite	:	0
	Asbestos Total:	50

Other Components		Estimated Percentage
1. Cellulose Fibers	:	20
2. Glass Fibers	:	0
3. Mineral Wool Fibers	:	10
4. Perlite	:	0
5. Mica	:	0
6. Binder	:	20
7. Other	:	0
	Other Total:	50

Comments -- The Method used was PLM/DS.
:

Sampled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

Davis & Floyd, Inc.

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ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-3 Laboratory sample #: 8816704
Sample Date: 08/26/88
Description: JOINT INSULATION

Asbestos Type(s) Present: 1,2

Asbestos Materials	Estimated Percentage
1. Chrysotile :	40
2. Amosite :	20
3. Crocidolite :	0
4. Anthrophyllite:	0
5. Tremolite :	0
6. Actinolite :	0
Asbestos Total:	60

Other Components	Estimated Percentage
1. Cellulose Fibers :	10
2. Glass Fibers :	0
3. Mineral Wool Fibers:	0
4. Perlite :	0
5. Mica :	0
6. Binder :	30
7. Other :	0
Other Total:	40

Comments -- The Method used was PLM/DS.
:

Sampled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

Davis & Floyd, Inc.

CONSULTING ENGINEERS

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GREENWOOD, SOUTH CAROLINA 29648

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ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-4 Laboratory sample #: 8816705
Sample Date: 08/26/88
Description: BOILER INSULATION

Asbestos Type(s) Present: 1,2,3

Asbestos Materials	Estimated Percentage
1. Chrysotile :	5
2. Amosite :	40
3. Crocidolite :	20
4. Anthrophyllite:	0
5. Tremolite :	0
6. Actinolite :	0
Asbestos Total:	65

Other Components	Estimated Percentage
1. Cellulose Fibers :	20
2. Glass Fibers :	0
3. Mineral Wool Fibers:	0
4. Perlite :	0
5. Mica :	0
6. Binder :	15
7. Other :	0
Other Total:	35

Comments -- The Method used was PLM/DS.
:

Sampled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

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803-229-5211

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-5 Laboratory sample #: 8816706
Sample Date: 08/26/88
Description: BOILER INSULATION

Asbestos Type(s) Present: 1,2

Asbestos Materials		Estimated Percentage
1. Chrysotile	:	50
2. Amosite	:	25
3. Crocidolite	:	0
4. Anthrophyllite	:	0
5. Tremolite	:	0
6. Actinolite	:	0
	Asbestos Total:	75

Other Components		Estimated Percentage
1. Cellulose Fibers	:	10
2. Glass Fibers	:	0
3. Mineral Wool Fibers	:	5
4. Perlite	:	0
5. Mica	:	0
6. Binder	:	10
7. Other	:	0
	Other Total:	25

Comments -- The Method used was PLM/DS.
:

Sampled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

Davis & Floyd, Inc.

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GREENWOOD, SOUTH CAROLINA 29648

803-229-5211

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-6 Laboratory sample #: 8816707
Sample Date: 08/26/88
Description: TANK INSULATION

Asbestos Type(s) Present: 1,2,3

Asbestos Materials		Estimated Percentage
1. Chrysotile	:	10
2. Amosite	:	35
3. Crocidolite	:	20
4. Anthrophyllite	:	0
5. Tremolite	:	0
6. Actinolite	:	0
	Asbestos Total:	65

Other Components		Estimated Percentage
1. Cellulose Fibers	:	10
2. Glass Fibers	:	0
3. Mineral Wool Fibers	:	10
4. Perlite	:	0
5. Mica	:	0
6. Binder	:	15
7. Other	:	0
	Other Total:	35

Comments -- The Method used was PLM/DS.
:

Sampled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

Davis & Floyd, Inc.

CONSULTING ENGINEERS

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GREENWOOD, SOUTH CAROLINA 29648

803-229-5211

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # :p6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-7 Laboratory sample #: 8816708
Sample Date: 08/26/88
Description: SUSPENDED ACOUSTICAL TILE

Asbestos Type(s) Present:

Asbestos Materials	Estimated Percentage
1. Chrysotile :	0
2. Amosite :	0
3. Crocidolite :	0
4. Anthrophyllite:	0
5. Tremolite :	0
6. Actinolite :	0
Asbestos Total:	0

Other Components	Estimated Percentage
1. Cellulose Fibers :	50
2. Glass Fibers :	0
3. Mineral Wool Fibers:	25
4. Perlite :	10
5. Mica :	0
6. Binder :	15
7. Other :	0
Other Total:	100

Comments -- The Method used was PLM/DS.
:

Sampled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

Davis & Floyd, Inc.

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GREENWOOD, SOUTH CAROLINA 29648

803-229-5211

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-8 Laboratory sample #: 8816709
Sample Date: 08/26/88
Description: VINYL FLOOR COVERING

Asbestos Type(s) Present: 1

Asbestos Materials		Estimated Percentage
1. Chrysotile	:	25
2. Amosite	:	0
3. Crocidolite	:	0
4. Anthrophyllite	:	0
5. Tremolite	:	0
6. Actinolite	:	0
	Asbestos Total:	25

Other Components		Estimated Percentage
1. Cellulose Fibers	:	25
2. Glass Fibers	:	45
3. Mineral Wool Fibers	:	0
4. Perlite	:	0
5. Mica	:	0
6. Binder	:	30
7. Other	:	0
	Other Total:	100

Comments -- The Method used was PLM/DS.
: NO MASTIC PRESENT

Sampled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

Davis & Floyd, Inc.

CONSULTING ENGINEERS

POST OFFICE DRAWER 428

GREENWOOD, SOUTH CAROLINA 29648

803-229-5211

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients samole #: 33-3-9 Laboratory sample #: 8816710
Sample Date: 08/26/88
Description: SUSPENDED ACOUSTICAL TILE

Asbestos Type(s) Present:

Asbestos Materials		Estimated Percentage
1. Chrysotile	:	0
2. Amosite	:	0
3. Crocidolite	:	0
4. Anthrophyllite	:	0
5. Tremolite	:	0
6. Actinolite	:	0
	Asbestos Total:	0

Other Comoonents		Estimated Percentage
1. Cellulose Fibers	:	10
2. Glass Fibers	:	0
3. Mineral Wool Fibers	:	50
4. Perlite	:	0
5. Mica	:	0
6. Binder	:	20
7. Other	:	20
	Other Total:	100

Comments -- The Method used was PLM/DS.
:

Samoled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
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GREENWOOD, SOUTH CAROLINA 29648

803-229-5211

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-10 Laboratory sample #: 8816711
Sample Date: 08/26/88
Description: SUSPENDED ACOUSTICAL TILE

Asbestos Type(s) Present:

Asbestos Materials		Estimated Percentage
1. Chrysotile	:	0
2. Amosite	:	0
3. Crocidolite	:	0
4. Anthrophyllite	:	0
5. Tremolite	:	0
6. Actinolite	:	0
	Asbestos Total:	0

Other Components		Estimated Percentage
1. Cellulose Fibers	:	80
2. Glass Fibers	:	0
3. Mineral Wool Fibers	:	0
4. Perlite	:	0
5. Mica	:	0
6. Binder	:	20
7. Other	:	0
	Other Total:	100

Comments -- The Method used was PLM/DS.
:

Sampled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

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GREENWOOD, SOUTH CAROLINA 29648

803-229-5211

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-11 Laboratory sample #: 8816712
Sample Date: 08/26/88
Description: PIPE INSULATION

Asbestos Type(s) Present: 1

Asbestos Materials	Estimated Percentage
1. Chrysotile :	70
2. Amosite :	0
3. Crocidolite :	0
4. Anthrophyllite:	0
5. Tremolite :	0
6. Actinolite :	0
Asbestos Total:	70

Other Components	Estimated Percentage
1. Cellulose Fibers :	10
2. Glass Fibers :	0
3. Mineral Wool Fibers:	0
4. Perlite :	0
5. Mica :	0
6. Binder :	20
7. Other :	0
Other Total:	30

Comments -- The Method used was PLM/DS.
:

Sampled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

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GREENWOOD, SOUTH CAROLINA 29648

803-229-5211

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-12 Laboratory sample #: 8816713
Sample Date: 08/26/88
Description: JOINT INSULATION

Asbestos Type(s) Present: 1

Asbestos Materials		Estimated Percentage
1. Chrysotile	:	60
2. Amosite	:	0
3. Crocidolite	:	0
4. Anthrophyllite	:	0
5. Tremolite	:	0
6. Actinolite	:	0
	Asbestos Total:	60

Other Components		Estimated Percentage
1. Cellulose Fibers	:	10
2. Glass Fibers	:	0
3. Mineral Wool Fibers	:	0
4. Perlite	:	0
5. Mica	:	0
6. Binder	:	20
7. Other	:	10
	Other Total:	40

Comments -- The Method used was PLM/DS.
:

Samoled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

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GREENWOOD, SOUTH CAROLINA 29648

803-229-5211

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-13 Laboratory sample #: 8816714
Sample Date: 08/26/88
Description: JOINT INSULATION

Asbestos Type(s) Present: 1

Asbestos Materials		Estimated Percentage
1. Chrysotile	:	65
2. Amosite	:	0
3. Crocidolite	:	0
4. Anthrophyllite	:	0
5. Tremolite	:	0
6. Actinolite	:	0
	Asbestos Total:	65

Other Components		Estimated Percentage
1. Cellulose Fibers	:	10
2. Glass Fibers	:	0
3. Mineral Wool Fibers	:	0
4. Perlite	:	0
5. Mica	:	0
6. Binder	:	20
7. Other	:	5
	Other Total:	35

Comments -- The Method used was PLM/DS.
:

Sampled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

Davis & Floyd, Inc.

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POST OFFICE DRAWER 428

GREENWOOD, SOUTH CAROLINA 29648

803-229-5211

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-14 Laboratory sample #: 8816715
Sample Date: 08/26/88
Description: JOINT INSULATION

Asbestos Type(s) Present: 1

Asbestos Materials		Estimated Percentage
1. Chrysotile	:	70
2. Amosite	:	0
3. Crocidolite	:	0
4. Anthrophyllite	:	0
5. Tremolite	:	0
6. Actinolite	:	0
	Asbestos Total:	70

Other Components		Estimated Percentage
1. Cellulose Fibers	:	10
2. Glass Fibers	:	0
3. Mineral Wool Fibers	:	0
4. Perlite	:	0
5. Mica	:	0
6. Binder	:	10
7. Other	:	10
	Other Total:	30

Comments -- The Method used was PLM/DS.
:

Sampled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

Davis & Floyd, Inc.

CONSULTING ENGINEERS

POST OFFICE DRAWER 428

GREENWOOD, SOUTH CAROLINA 29648

803-229-5211

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-15 Laboratory sample #: 8816716
Sample Date: 08/26/88
Description: CEILING PLASTER

Asbestos Type(s) Present:

Asbestos Materials		Estimated Percentage
1. Chrysotile	:	0
2. Amosite	:	0
3. Crocidolite	:	0
4. Anthrophyllite	:	0
5. Tremolite	:	0
6. Actinolite	:	0
	Asbestos Total:	0

Other Components		Estimated Percentage
1. Cellulose Fibers	:	25
2. Glass Fibers	:	0
3. Mineral Wool Fibers	:	0
4. Perlite	:	0
5. Mica	:	0
6. Binder	:	60
7. Other	:	15
	Other Total:	100

Comments -- The Method used was PLM/DS.
:

Sampled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

Davis & Floyd, Inc.

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POST OFFICE DRAWER 428

GREENWOOD, SOUTH CAROLINA 29648

803-229-5211

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Job # : 6533.22
Client : UNIVERSAL ENGINEERING CORPORATION
Location : NEWBURY PORT
: BROWN SCHOOL
: NEWBURY PORT, MA
Clients sample #: 33-3-16 Laboratory sample #: 8816717
Sample Date: 08/26/88
Description: WALL PLASTER

Asbestos Type(s) Present:

Asbestos Materials		Estimated Percentage
1. Chrysotile	:	0
2. Amosite	:	0
3. Crocidolite	:	0
4. Anthrophyllite	:	0
5. Tremolite	:	0
6. Actinolite	:	0
	Asbestos Total:	0

Other Components		Estimated Percentage
1. Cellulose Fibers	:	20
2. Glass Fibers	:	0
3. Mineral Wool Fibers	:	0
4. Perlite	:	0
5. Mica	:	0
6. Binder	:	60
7. Other	:	20
	Other Total:	100

Comments -- The Method used was PLM/DS.
:

Sampled by: AMNAR DIEB
Affiliation: DAVIS & FLOYD, INC.

Analyzed by: Kasandra Rearden

Signature - Kasandra C. Rearden
Date: 09/29/88
Laboratory Certification No.: 4788

PREVIOUS HISTORY

Brown Elementary School was inspected by Briggs in the Summer of 1983. Asbestos containing insulation was identified in the pipe insulation throughout the school and in the boiler room heating system insulation. Briggs recommended that any damaged areas of asbestos containing insulation be repaired by rewrapping and painting except in areas where damage is too severe for repair.

GLOSSARY OF TERMS

ABIH - American Board of Industrial Hygiene

Abatement - Any work done to minimize asbestos hazards including removal, encapsulation, enclosure.

Acoustical Insulation - Insulation used for the control of sound.

Acoustical Tile - A finishing material in a building usually found in the ceiling or walls for the purpose of noise control.

Aggressive Sampling - Air sampling using a fan, blower, or broom to simulate activity. Aggressive sampling gives an air sample result which is most representative of the fiber count in the area.

AIA - Asbestos Information Association

AIHA - American Industrial Hygiene Association

AIHA Accredited Laboratory - A certification given by the AIHA to an analytical laboratory that has successfully participated in the "Proficiency Analytical Testing" program for quality control as established by the National Institute for Occupational Safety and Health.

Airborne Asbestos Analysis - Determination of the amount of asbestos fibers suspended in a given amount of air.

Air Diffuser - A device designed to disperse an air stream throughout a given area.

Air Lock - A system of enclosures consisting of two polyethylene curtained doorways at least three feet apart that does not permit air movement between clean and contaminated areas.

Air Monitoring - The process of measuring the airborne fiber concentration of a specific quantity of air over a given amount of time.

Air Plenum - Any space used to convey air in a building or structure. The space above a suspended ceiling is often used as an air plenum.

Air Sample - Sample of air taken for the purpose of determining a quantity of material found in the air.

Ambient Air - The surrounding air or atmosphere in a given area under normal conditions.

Amended Water - Water to which a chemical wetting agent (surfactant) has been added to improve penetration into asbestos-containing materials that are being removed.

ANSI - American National Standards Institute

Approved Landfill - A site for the disposal of asbestos-containing and other hazardous materials that are being removed.

Asbestiform - Fibrous minerals which, due to their crystal structures and chemical composition, can be classified as a form of asbestos.

Asbestos - A generic name given to a number of naturally occurring hydrated mineral silicates that possess a unique crystalline structure, are incombustible in air, and are separable into fibers. Asbestos includes the asbestiform varieties of chrysotile (serpentine); crocidolite (riebeckite); amosite (cummingtonite-grunerite); anthophyllite; and actinolite.

Asbestos Abatement - Procedures to control fiber release from asbestos-containing materials in buildings.

Asbestos Exposure Assessment System - A decision tool which can be used to determine the extend of the asbestos hazard that exists in a building, and which can also be used to develop corrective actions.

Asbestos Fibers - Fibers greater than 5 microns long and a length to width ratio of at least 3:1, generated from an asbestos-containing material.

Asbestos Standard - Refer to the OSHA requirements in the general industry standards regarding asbestos exposure (29 CFR 1910.1001), and EPA National Emission Standard for Hazardous Air Pollutants (NESHAP) (40 CFR 61, subpart M) or Asbestos Abatement Projects (40 CFR Part 763) applicable for public employees.

Asbestosis - A non-malignant, progressive, irreversible lung disease caused by the inhalation of asbestos dust and characterized by diffuse fibrosis. This disease usually occurs after high level exposures.

Atmosphere Supplying Respirators - Respiratory protection devices which exclude workplace air altogether and provide clean air from some independent source.

Bid - A statement of the price at which a contractor will complete a given project.

Bridge Encapsulant - The application of a sealant over the surface of asbestos-containing material to prevent the release of asbestos fibers.

Bulk Sample - Physical sample of the material (i.e., piece of covering or ceiling material). This is in contrast to an air sample where the air itself is sampled for fibers. Bulk samples are taken to determine if a material contains asbestos.

Chrysotile (white asbestos) - The only asbestiform mineral of the serpentine variety which contains approximately 40% each of silica and magnesium oxide. It is the most common form of asbestos used in buildings.

Cancer - A cellular tumor which normally leads to premature death of its host unless controlled.

Ceiling Concentration - The maximum allowable level of toxic material that can be present at any given point in time.

Cementitious - Asbestos-containing material that are densely packed, granular, and cement-like in nature.

CFM - Cubic feet per minute.

Clean Area - The first stage of the decontamination enclosure system in which workers prepared to enter the work area.

Closed Circuit SCBA - A self-contained respiratory protection device in which the air is re-breathed after the exhaled carbon dioxide has been removed and the oxygen content restored.

Concrete-like Asbestos - Hard, non-friable asbestos-containing material that requires a mechanical force to penetrate its surface.

Contaminated Items - Any objects that have been exposed to airborne asbestos fibers without being sealed off or isolated.

Contract Specifications - A set of guidelines that a contractor must follow when conducting an asbestos abatement job.

CPSC - Consumer Product Safety Commission (Federal Agency).

Decontamination Enclosure System - A series of connected rooms with polyethylene curtained doorways for the purpose of preventing contamination of area adjacent to the work area.

DEQE - Department of Environmental Quality Engineering (State Agency).

Dirty Area - Any area in which the concentration of airborne asbestos fibers exceeds 0.01 f/cc, or where there is visible asbestos residue.

Dispersion Staining - Coloration added to asbestos samples for the purpose of making the sample more visible and easier to identify.

DOH - Division of Occupational Hygiene (State Agency).

Duct Tape - Heavy gauge tape capable of sealing joints or adjacent sheets of polyethylene.

Dust Mask - Single use or disposable dust respirator with a low protection factor. Not recommended for use with asbestos.

Electron Microscopy - A method of asbestos sample analysis which utilizes an electron beam to differentiate between fibers.

Encapsulant (sealant) - A substance applied to asbestos-containing material which controls the release of airborne asbestos-fibers.

EPA - Environmental Protection Agency (Federal Agency).

Epidemiology - The study of occurrences and distribution of disease throughout a population.

Equipment Room - The last state or room of the worker decontamination system before entering the work area.

F/CC - Fibers per cubic centimeters of air (a cubic centimeter is about the size of a sugar cube).

Fiber Containment - Enclosing or sealing off an area having airborne asbestos fibers present so that the fibers will not migrate resulting in contamination of other areas.

Fiber Control - Minimizing the amount of airborne fiber generation through the application of amended water onto asbestos-containing material, or enclosure (isolation) of the material.

Fibrous - Composed almost entirely of fibers.

Fireproofing - Spray- or troweled-applied fire resistant materials.

Friable Asbestos - Any materials that contain more than 1% asbestos by weight and can be crumbled, pulverized, or reduced to powder by hand pressure (i.e., asbestos pipe coverings, boiler casings, I-beam spray-on).

Full Facepiece Respirator - A respirator which covers the wearer's entire face from the hairline to below the chin.

Glovebag - Plastic bag-type enclosure placed around asbestos-containing pipe lagging so that it may be removed without generating airborne fibers into the atmosphere.

HEPA - High Efficiency Particulate Air (Filter)

HEPA Filter Vacuum - A high efficiency particulate air (HEPA filtered vacuum capable of trapping and retaining 99.97% of all particles larger than 0.3 microns.

Holding Area - The airlock between the shower room and the clean room in a worker decontamination system.

Homogeneous - Evenly mixed and similar in appearance and texture throughout.

HVAC System - Heating, Ventilation, and Air Conditioning system usually found in large business and industry facilities.

Industrial Hygienist - A professional qualified by education, training, and experience to recognize, evaluate, and develop controls for occupational health hazards.

Local Exhaust Ventilation - The mechanical removal of air contaminants from a point of operation.

Micron - One millionth of a meter

Mil - Prefix meaning one-thousandth

Millimeter - One-thousandth of a meter

Mineral Wool - A commonly used substitute for asbestos.

MSDS - Material Safety Data Sheet

MSHA - Mine Safety and Health Administration

Negative Pressure - An atmosphere created in a work area enclosure such that airborne fibers will tend to be drawn through the filtration system rather than leak out into the surrounding areas. The air pressure inside the work area is less than that outside the work area.

Non-friable Asbestos - Materials which contain mostly binder and do not generate dust under normal conditions. Note - non-friable materials can become friable if cut, ground, sanded, etc. (i.e. floor tiles).

Operations & Maintenance Plan - Specific procedures and practices developed for the interim control of asbestos-containing materials in buildings until it is removed.

OSHA - The Occupational Safety and Health Administration which was created by the Occupational Safety and Health Act of 1970; serves as the enforcement agency for safety and health in the workplace environment.

Oxygen Deficient Atmosphere - Any atmosphere containing less than 19.5% oxygen.

Particulate Contaminants - Minute airborne particles given off in the form of dusts, smokes, fumes, or mists.

PEL - Permissible Exposure Limit as stated by OSHA. Refers to the maximum level of exposure allowed according to the regulation.

Penetrating Encapsulant - Liquid material applied to asbestos-containing material to control airborne fiber release by penetrating into the material and binding its components together.

Personal Sample - Air air sample taken with the sampling pump directly attached to the worker with the collecting filter placed in the worker's breathing zone.

Phase Contrast Microscopy (PCM) - An optical microscopic technique used for the counting of fibers in air samples, but which does not distinguish fiber types.

Pipe Lagging - The insulation or wrapping around a pipe.

Polarized Light Microscopy (PLM) - An optical microscopic technique used to distinguish between different types of asbestos fibers by their shape and unique optical properties.

Polyethylene - Plastic sheeting which is often used to seal off an area in which asbestos removal is taking place for the purpose of preventing contamination of other areas.

Protective Clothing - Protective, lightweight garments worn by workers performing asbestos abatement to keep gross contamination off the body.

Protective Equipment - Usually refers to respirators and disposable clothing.

Pulmonary Function Tests - A part of the medical examination required to determine the health status of a person's lungs.

Random Sample - A sample drawn in such a way that there is no set pattern and is designed to give a true representation of the entire population or area.

Respirable - Breathable

Respirator Program - A written program established by an employer which provides for the safe use of respirators on their job sites.

Rewettable Fiberglass - Canvas-like material impregnated with glue. This material is wet and molded over asbestos insulation. It hardens when dry and can be painted over with a latex paint.

Risk - The likelihood or probability of developing a disease, or being hurt, as the result of exposure to a contaminant or a condition.

Scanning Electron Microscopy (SEM) - A method of microscopic analysis which utilizes an electron beam directed at the sample and then collects the beams that are reflected to produce an image from which fibers can be identified and counted.

Scanning Transmission Electron Microscopy (STEM) - A combination of a transmission electron microscopy with scanning and focusing coils so that a beam of electrons can be scanned over the sample or pinpointed in a particular area.

SCBA - Self-Contained Breathing Apparatus

Shower Room - A room between the clean room and the equipment room in a worker decontamination system in which workers take showers when leaving the work area.

Supplied Air Respirator - A respirator that has a central source of breathing air which is supplied to the wearer by way of an airline.

Surfactant - A chemical wetting agent added to water to improve its penetration abilities into asbestos-containing materials.

TLV (Threshold Limit Value) - Levels of contaminants established by the American Conference of Governmental Industrial Hygienists to which it is believed that workers can be exposed to with minimal adverse health effects.

Transmission Electron Microscopy (TEM) - A method of microscopic analysis which utilizes an electron beam that is focused onto a thin sample. As the beam penetrates (transmits) through the sample, the difference in densities produces an image on a fluorescent screen from which samples can be identified and counted.

TSCA - Toxic Substances Control Act includes a regulation regarding public employees involved in asbestos abatement work.

TWA - Time-Weighted Average, as in air sampling.

Type C Supplied Air Respirator - A respirator designed to provide a very high level of protection which supplies air to the wearer from an outside source such as a compressor.

USEPA - Unite States Environmental Protection Agency

Vermiculite - A micaceous mineral that is sometimes used as a substitute for asbestos which is lightweight and highly water-absorbent.

SOURCE: Asbestos Policy & Procedure Manual, "Guidelines for Management and Maintenance Personnel" Massachusetts Division of Occupational Hygiene Asbestos Program.

ASBESTOS HAZARD EMERGENCY RESPONSE ACT (AHERA)

List of Subjects in 40 CFR Part 763

Asbestos, Environmental protection, Hazardous substances, Incorporation by reference, Occupational health and safety, Recordkeeping, Schools.

Dated: October 17, 1987.

Lee M. Thomas,

Administrator.

Therefore, 40 CFR Part 763 is amended as follows:

PART 763—[AMENDED]

1. The authority citation for Part 763 continues to read as follows:

Authority: 15 U.S.C. 2605 and 2607(c). Subpart E also issued under 15 U.S.C. 2641, 2643, 2646, and 2647.

2. By adding §§ 763.80 through 763.99 and Appendices A, B, and D to Subpart E to read as follows:

Subpart E—Asbestos-Containing Materials in Schools

Sec.

763.80 Scope and purpose.
763.83 Definitions.
763.84 General local education agency responsibilities.
763.85 Inspection and reinspections.
763.86 Sampling.
763.87 Analysis.
763.88 Assessment.
763.90 Response actions.
763.91 Operations and maintenance.
763.92 Training and periodic surveillance.
763.93 Management plans.
763.94 Recordkeeping.
763.95 Warning labels.
763.97 Compliance and enforcement.
763.98 Waiver; delegation to State.
763.99 Exclusions.
Appendix A to Subpart E—Interim Transmission Electron Microscopy Analytical Methods—Mandatory and Nonmandatory—and Mandatory Section to Determine Completion of Response Actions
Appendix B to Subpart E—Work Practices and Engineering Controls for Small-Scale, Short-Duration Operations Maintenance and Repair (O&M) Activities Involving ACM
. . . . .
Appendix D to Subpart E—Transport and Disposal of Asbestos Waste

§ 763.80 Scope and purpose.

(a) This rule requires local education agencies to identify friable and nonfriable asbestos-containing material (ACM) in public and private elementary and secondary schools by visually inspecting school buildings for such materials, sampling such materials if they are not assumed to be ACM, and having samples analyzed by appropriate techniques referred to in this rule. The rule requires local education agencies to submit management plans to the Governor of their State by October 12, 1988, begin to implement the plans by July 9, 1989, and complete implementation of the plans in a timely fashion. In addition, local education agencies are required to use persons who have been accredited to conduct inspections, reinspections, develop management plans, or perform response actions. The rule also includes recordkeeping requirements. Local education agencies may contractually delegate their duties under this rule, but they remain responsible for the proper performance of those duties. Local education agencies are encouraged to consult with EPA Regional Asbestos Coordinators, or if applicable, a State's lead agency designated by the State Governor, for assistance in complying with this rule.

(b) Local education agencies must provide for the transportation and disposal of asbestos in accordance with EPA's "Asbestos Waste Management Guidance." For convenience, applicable sections of this guidance are reprinted as Appendix D of this subpart. There are regulations in place, however, that affect transportation and disposal of asbestos waste generated by this rule. The transportation of asbestos waste is covered by the Department of Transportation (49 CFR Part 173, Subpart J) and disposal is covered by the National Emissions Standards for Hazardous Air Pollutants (NESHAP) (40 CFR Part 61, Subpart M).

§ 763.83 Definitions.

For purposes of this subpart:

"Act" means the Toxic Substances Control Act (TSCA), 15 U.S.C. 2601, *et seq.*

"Accessible" when referring to ACM means that the material is subject to disturbance by school building occupants or custodial or maintenance personnel in the course of their normal activities.

"Accredited" or "accreditation" when referring to a person or laboratory means that such person or laboratory is accredited in accordance with section 206 of Title II of the Act.

"Air erosion" means the passage of air over friable ACBM which may result in the release of asbestos fibers.

"Asbestos" means the asbestiform varieties of: Chrysotile (serpentine); crocidolite (riebeckite); amosite (cummingtonitegrunerite); anthophyllite; tremolite; and actinolite.

"Asbestos-containing material" (ACM) when referring to school buildings means any material or product which contains more than 1 percent asbestos.

"Asbestos-containing building material" (ACBM) means surfacing ACM, thermal system insulation ACM, or miscellaneous ACM that is found in or on interior structural members or other parts of a school building.

"Asbestos debris" means pieces of ACBM that can be identified by color, texture, or composition, or means dust, if the dust is determined by an accredited inspector to be ACM.

"Damaged friable miscellaneous ACM" means friable miscellaneous ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or, if applicable, which has delaminated such that its bond to the substrate (adhesion) is

inadequate or which for any other reason lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage; significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.

"Damaged friable surfacing ACM" means friable surfacing ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or which has delaminated such that its bond to the substrate (adhesion) is inadequate, or which, for any other reason, lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage; significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.

"Damaged or significantly damaged thermal system insulation ACM" means thermal system insulation ACM on pipes, boilers, tanks, ducts, and other thermal system insulation equipment where the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, water-stained, gouged, punctured, missing, or not intact such that it is not able to contain fibers. Damage may be further illustrated by occasional punctures, gouges or other signs of physical injury to ACM; occasional water damage on the protective coverings/jackets; or exposed ACM ends or joints. Asbestos debris originating from the ACBM in question may also indicate damage.

"Encapsulation" means the treatment of ACBM with a material that surrounds or embeds asbestos fibers in an adhesive matrix to prevent the release of fibers, as the encapsulant creates a membrane over the surface (bridging encapsulant) or penetrates the material and binds its components together (penetrating encapsulant).

"Enclosure" means an airtight, impermeable, permanent barrier around ACBM to prevent the release of asbestos fibers into the air.

"Fiber release episode" means any uncontrolled or unintentional disturbance of ACBM resulting in visible emission.

"Friable" when referring to material in a school building means that the material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure, and includes previously nonfriable material after such previously nonfriable material becomes damaged to the extent that when dry it may be crumbled, pulverized, or reduced to powder by hand pressure.

"Functional space" means a room, group of rooms, or homogeneous area (including crawl spaces or the space between a dropped ceiling and the floor or roof deck above), such as classroom(s), a cafeteria, gymnasium, hallway(s), designated by a person accredited to prepare management plans, design abatement projects, or conduct response actions.

"High-efficiency particulate air" (HEPA) refers to a filtering system capable of trapping and retaining at least 99.97 percent of all monodispersed particles 0.3 μm in diameter or larger.

"Homogeneous area" means an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture.

"Local education agency" means:

(1) Any local educational agency as defined in section 198 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 3381).

(2) The owner of any nonpublic, nonprofit elementary, or secondary school building.

(3) The governing authority of any school operated under the defense dependents' education system provided for under the Defense Dependents' Education Act of 1978 (20 U.S.C. 921, et seq.).

"Miscellaneous ACM" means miscellaneous material that is ACM in a school building.

"Miscellaneous material" means interior building material on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation.

"Nonfriable" means material in a school building which when dry may not be crumbled, pulverized, or reduced to powder by hand pressure.

"Operations and maintenance program" means a program of work practices to maintain friable ACBM in good condition, ensure clean up of asbestos fibers previously released, and prevent further release by minimizing and controlling friable ACBM disturbance or damage.

"Potential damage" means circumstances in which:

(1) Friable ACBM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities.

(2) There are indications that there is a reasonable likelihood that the material or its covering will become damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.

"Potential significant damage" means circumstances in which:

(1) Friable ACBM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities.

(2) There are indications that there is a reasonable likelihood that the material or its covering will become significantly damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.

(3) The material is subject to major or continuing disturbance, due to factors including, but not limited to, accessibility or, under certain circumstances, vibration or air erosion.

"Preventive measures" means actions taken to reduce disturbance of ACBM or otherwise eliminate the reasonable likelihood of the material's becoming damaged or significantly damaged.

"Removal" means the taking out or the stripping of substantially all ACBM from a damaged area, a functional space, or a homogeneous area in a school building.

"Repair" means returning damaged ACBM to an undamaged condition or to an intact state so as to prevent fiber release.

"Response action" means a method, including removal, encapsulation, enclosure, repair, operations and maintenance, that protects human health and the environment from friable ACBM.

"Routine maintenance area" means an area, such as a boiler room or mechanical room, that is not normally frequented by students and in which maintenance employees or contract workers regularly conduct maintenance activities.

"School" means any elementary or secondary school as defined in section 198 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 2854).

"School building" means:

(1) Any structure suitable for use as a classroom, including a school facility such as a laboratory, library, school eating facility, or facility used for the preparation of food.

(2) Any gymnasium or other facility which is specially designed for athletic

assessment, State of accreditation, and if applicable, his or her accreditation number.

(b) *Reinspection.* (1) At least once every 3 years after a management plan is in effect, each local education agency shall conduct a reinspection of all friable and nonfriable known or assumed ACBM in each school building that they lease, own, or otherwise use as a school building.

(2) Each inspection shall be made by an accredited inspector.

(3) For each area of a school building, each person performing a reinspection shall:

(i) Visually reinspect, and reassess, under § 763.88, the condition of all friable known or assumed ACBM.

(ii) Visually inspect material that was previously considered nonfriable ACBM and touch the material to determine whether it has become friable since the last inspection or reinspection.

(iii) Identify any homogeneous areas with material that has become friable since the last inspection or reinspection.

(iv) For each homogeneous area of newly friable material that is already assumed to be ACBM, bulk samples may be collected and submitted for analysis in accordance with §§ 763.86 and 763.87.

(v) Assess, under § 763.88, the condition of the newly friable material in areas where samples are collected, and newly friable materials in areas that are assumed to be ACBM.

(vi) Reassess, under § 763.88, the condition of friable known or assumed ACBM previously identified.

(vii) Record the following and submit to the person designated under § 763.84 a copy of such record for inclusion in the management plan within 30 days of the reinspection:

(A) The date of the reinspection, the name and signature of the person making the reinspection, State of accreditation, and if applicable, his or her accreditation number, and any changes in the condition of known or assumed ACBM.

(B) The exact locations where samples are collected during the reinspection, a description of the manner used to determine sampling locations, the name and signature of each accredited inspector who collected the samples, State of accreditation, and, if applicable, his or her accreditation number.

(C) Any assessments or reassessments made of friable material, the name and signature of the accredited inspector making the assessments, State of accreditation, and if applicable, his or her accreditation number.

(c) *General.* Thermal system insulation that has retained its structural integrity and that has an undamaged protective jacket or wrap that prevents fiber release shall be treated as nonfriable and therefore is subject only to periodic surveillance and preventive measures as necessary.

§ 763.86 Sampling.

(a) *Surfacing material.* An accredited inspector shall collect, in a statistically random manner that is representative of the homogeneous area, bulk samples from each homogeneous area of friable surfacing material that is not assumed to be ACM, and shall collect the samples as follows:

(1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft^2 or less, except as provided in § 763.87(c)(2).

(2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft^2 but less than or equal to 5,000 ft^2, except as provided in § 763.87(c)(2).

(3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft^2, except as provided in § 763.87(c)(2).

(b) *Thermal system insulation.* (1) Except as provided in paragraphs (b) (2) through (4) of this section and § 763.87(c), an accredited inspector shall collect, in a randomly distributed manner, at least three bulk samples from each homogeneous area of thermal system insulation that is not assumed to be ACM.

(2) Collect at least one bulk sample from each homogeneous area of patched thermal system insulation that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

(3) In a manner sufficient to determine whether the material is ACM or not ACM, collect bulk samples from each insulated mechanical system that is not assumed to be ACM where cement or plaster is used on fittings such as tees, elbows, or valves, except as provided under § 763.87(c)(2).

(4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACBM.

(c) *Miscellaneous material.* In a manner sufficient to determine whether material is ACM or not ACM, an accredited inspector shall collect bulk samples from each homogeneous area of friable miscellaneous material that is not assumed to be ACM.

(d) *Nonfriable suspected ACBM.* If any homogeneous area of nonfriable suspected ACBM is not assumed to be ACM, then an accredited inspector shall collect, in a manner sufficient to determine whether the material is ACM or not ACM, bulk samples from the homogeneous area of nonfriable suspected ACBM that is not assumed to be ACM.

§ 763.87 Analysis.

(a) Local education agencies shall have bulk samples, collected under § 763.86 and submitted for analysis, analyzed for asbestos using laboratories accredited by the National Bureau of Standards (NBS). Local education agencies shall use laboratories which have received interim accreditation for polarized light microscopy (PLM) analysis under the EPA Interim Asbestos Bulk Sample Analysis Quality Assurance Program until the NBS PLM laboratory accreditation program for PLM is operational.

(b) Bulk samples shall not be composited for analysis and shall be analyzed for asbestos content by PLM, using the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" found at Appendix A to Subpart F in 40 CFR Part 763.

(c)(1) A homogeneous area is considered not to contain ACM only if the results of all samples required to be collected from the area show asbestos in amounts of 1 percent or less.

(2) A homogeneous area shall be determined to contain ACM based on a finding that the results of at least one sample collected from that area shows that asbestos is present in an amount greater than 1 percent.

(d) The name and address of each laboratory performing an analysis, the date of analysis, and the name and signature of the person performing the analysis shall be submitted to the person designated under § 763.84 for inclusion into the management plan within 30 days of the analysis.

§ 763.88 Assessment.

(a)(1) For each inspection and reinspection conducted under § 763.85 (a) and (c) and previous inspections specified under § 763.99, the local education agency shall have an accredited inspector provide a written assessment of all friable known or assumed ACBM in the school building.

(2) Each accredited inspector providing a written assessment shall sign and date the assessment, provide his or her State of accreditation, and if applicable, accreditation number, and submit a copy of the assessment to the person designated under § 763.84 for inclusion in the management plan within 30 days of the assessment.

laboratories enrolled in the American Industrial Hygiene Association Proficiency Analytical Testing Program for phase contrast microscopy (PCM).

(iii) Until the National Bureau of Standards TEM laboratory accreditation program is operational, local educational agencies shall use laboratories that use the protocol described in Appendix A to Subpart E of this part.

(3) Except as provided in paragraphs (i) (4), (5), (6), or (7) of this section, an action to remove, encapsulate, or enclose ACBM shall be considered complete when the average concentration of asbestos of five air samples cbllected within the affected functional space and analyzed by the TEM method in Appendix A of this Subpart E, is not statistically significantly different, as determined by the Z-test calculation found in Appendix A of this Subpart E, from the average asbestos concentration of five air samples collected at the same time outside the affected functional space and analyzed in the same manner, and the average asbestos concentration of the three field blanks described in Appendix A of this Subpart E is below the filter background level, as defined in Appendix A of this Subpart E, of 70 structures per square millimeter (70 s/mm ^{2}).

(4) An action may also be considered complete if the volume of air drawn for each of the five samples collected within the affected functional space is equal to or greater than 1,199 L of air for a 25 mm filter or equal to or greater than 2,799 L of air for a 37 mm filter, and the average concentration of asbestos as analyzed by the TEM method in Appendix A of this Subpart E, for the five air samples does not exceed the filter background level, as defined in Appendix A, of 70 structures per square millimeter (70 s/mm ^{2}). If the average concentration of asbestos of the five air samples within the affected functional space exceeds 70 s/mm ^{2}, or if the volume of air in each of the samples is less than 1,199 L of air for a 25 mm filter or less than 2,799 L of air for a 37 mm filter, the action shall be considered complete only when the requirements of paragraph (i) (3), (5), (6), or (7) of this section are met.

(5) At any time, a local education agency may analyze air monitoring samples collected for clearance purposes by phase contrast microscopy (PCM) to confirm completion of removal, encapsulation, or enclosure of ACBM that is greater than small-scale, short-duration and less than or equal to 160 square feet or 260 linear feet. The action shall be considered complete when the results of samples collected in the affected functional space and analyzed by phase contrast microscopy using the National Institute for Occupational Safety and Health (NIOSH) Method 7400 entitled "Fibers" published in the NIOSH Manual of Analytical Methods, 3rd Edition, Second Supplement, August 1987, show that the concentration of fibers for each of the five samples is less than or equal to a limit of quantitation for PCM (0.01 fibers per cubic centimeter (0.01 f/cm ^{3}) of air). The method is available at the Office of the Federal Register Information Center, 11th and L St., NW., Room 8401, Washington, DC, 20408, and the EPA OPTS Reading Room, Rm. G004 Northeast Mall, 401 M St., SW., Washington, DC 20460. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR Part 51. The method is incorporated as it exists on the effective date of this rule, and a notice of any change to the method will be published in the Federal Register.

(6) Until October 7, 1989, a local education agency may analyze air monitoring samples collected for clearance purposes by PCM to confirm completion of removal, encapsulation, or enclosure of ACBM that is less than or equal to 3,000 square feet or 1,000 linear feet. The action shall be considered complete when the results of samples collected in the affected functional space and analyzed by PCM using the NIOSH Method 7400 entitled "Fibers" published in the NIOSH Manual of Analytical Methods, 3rd Edition, Second Supplement, August 1987, show that the concentration of fibers for each of the five samples is less than or equal to a limit quantitation for PCM (0.01 fibers per cubic centimeter, 0.01 f/cm ^{3}). The method is available at the Office of the Federal Register, 11th and L St., NW., Room 8301, Washington, DC, 20408, and in the EPA OPTS Reading Room, Rm. G004 Northeast Mall, 401 M St., SW., Washington, DC 20460. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR Part 51. The method is incorporated as it exists on the effective date of this rule and a notice of any change to the method will be published in the Federal Register.

(7) From October 8, 1989, to October 7, 1990, a local education agency may analyze air monitoring samples collected for clearance purposes by PCM to confirm completion of removal, encapsulation, or enclosure of ACBM that is less than or equal to 1,500 square feet or 500 linear feet. The action shall be considered complete when the results of samples collected in the affected functional space and analyzed by PCM using the NIOSH Method 7400 entitled "Fibers" published in the NIOSH Manual of Analytical Methods, 3rd Edition, Second Supplement, August 1987, show that the concentration of fibers for each of the five samples is less than or equal to a limit of quantitation for PCM (0.01 fibers per cubic centimeter, 0.01 f/cm ^{3}). The method is available at the Office of the Federal Register, 11th and L St., NW., Room 8301, Washington, DC, 20408, and in the EPA OPTS Reading Room, Rm. G004 Northeast Mall, 401 M St., SW., Washington, DC 20460. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR Part 51. The method is incorporated as it exists on the effective date of this rule and a notice of any change to the method will be published in the Federal Register.

(8) To determine the amount of ACBM affected under paragraphs (i) (5), (6), and (7) of this section, the local education agency shall add the total square or linear footage of ACBM within the containment barriers used to isolate the functional space for the action to remove, encapsulate, or enclose the ACBM. Contiguous portions of material subject to such action conducted concurrently or at approximately the same time within the same school building shall not be separated to qualify under paragraphs (i) (5), (6), or (7) of this section.

§ 763.91 Operations and maintenance.

(a) *Applicability.* The local education agency shall implement an operations, maintenance, and repair (O&M) program under this section whenever any friable ACBM is present or assumed to be present in a building that it leases, owns, or otherwise uses as a school building. Any material identified as nonfriable ACBM or nonfriable assumed ACBM must be treated as friable ACBM for purposes of this section when the material is about to become friable as a result of activities performed in the school building.

(b) *Worker protection.* The protection provided by EPA at 40 CFR 763.121 for worker protection during asbestos abatement projects is extended to employees of local education agencies who perform operations, maintenance, and repair (O&M) activities involving ACM and who are not covered by the OSHA asbestos construction standard at 29 CFR 1926.58 or an asbestos worker approved by OSHA under section 19 of the Occupational Safety and Health Act. Local education agencies may consult

changes in the condition of the materials.

(iii) Submit to the person designated to carry out general local education agency responsibilities under § 763.84 a copy of such record for inclusion in the management plan.

§ 763.93 Management plans.

(a)(1) On or before October 12, 1988, each local education agency shall develop an asbestos management plan for each school, including all buildings that they lease, own, or otherwise use as school buildings, and submit the plan to an Agency designated by the Governor of the State in which the local education agency is located. The plan may be submitted in stages that cover a portion of the school buildings under the authority of the local education agency.

(2) If a building to be used as part of a school is leased or otherwise acquired after October 12, 1988, the local education agency shall include the new building in the management plan for the school prior to its use as a school building. The revised portions of the management plan shall be submitted to the Agency designated by the Governor.

(3) If a local education agency begins to use a building as a school after October 12, 1988, the local education agency shall submit a management plan for the school to the Agency designated by the Governor prior to its use as a school.

(b) On or before October 17, 1987, the Governor of each State shall notify local education agencies in the State regarding where to submit their management plans. States may establish administrative procedures for reviewing management plans. If the Governor does not disapprove a management plan within 90 days after receipt of the plan, the local education agency shall implement the plan.

(c) Each local education agency must begin implementation of its management plan on or before July 9, 1989, and complete implementation in a timely fashion.

(d) Each local education agency shall maintain and update its management plan to keep it current with ongoing operations and maintenance, periodic surveillance, inspection, reinspection, and response action activities. All provisions required to be included in the management plan under this section shall be retained as part of the management plan, as well as any information that has been revised to bring the plan up-to-date.

(e) The management plan shall be developed by an accredited management planner and shall include:

(1) A list of the name and address of each school building and whether the school building contains friable ACBM, nonfriable ACBM, and friable and nonfriable suspected ACBM assumed to be ACM.

(2) For each inspection conducted before the December 14, 1987:

(i) The date of the inspection.

(ii) A blueprint, diagram, or written description of each school building that identifies clearly each location and approximate square or linear footage of any homogeneous or sampling area where material was sampled for ACM, and, if possible, the exact locations where bulk samples were collected, and the dates of collection.

(iii) A copy of the analyses of any bulk samples, dates of analyses, and a copy of any other laboratory reports pertaining to the analyses.

(iv) A description of any response actions or preventive measures taken to reduce asbestos exposure, including if possible, the names and addresses of all contractors involved, start and completion dates of the work, and results of any air samples analyzed during and upon completion of the work.

(v) A description of assessments, required to be made under § 763.88, of material that was identified before December 14, 1987, as friable ACBM or friable suspected ACBM assumed to be ACM, and the name and signature, State of accreditation, and if applicable, accreditation number of each accredited person making the assessments.

(3) For each inspection and reinspection conducted under § 763.85:

(i) The date of the inspection or reinspection and the name and signature, State of accreditation and, if applicable, the accreditation number of each accredited inspector performing the inspection or reinspection.

(ii) A blueprint, diagram, or written description of each school building that identifies clearly each location and approximate square or linear footage of homogeneous areas where material was sampled for ACM, the exact location where each bulk sample was collected, date of collection, homogeneous areas where friable suspected ACBM is assumed to be ACM, and where nonfriable suspected ACBM is assumed to be ACM.

(iii) A description of the manner used to determine sampling locations, and the name and signature of each accredited inspector collecting samples, the State of accreditation, and if applicable, his or her accreditation number.

(iv) A copy of the analyses of any bulk samples collected and analyzed, the name and address of any laboratory that analyzed bulk samples, a statement that the laboratory meets the applicable requirements of § 763.87(a) the date of analysis, and the name and signature of the person performing the analysis.

(v) A description of assessments, required to be made under § 763.88, of all ACBM and suspected ACBM assumed to be ACM, and the name, signature, State of accreditation, and if applicable, accreditation number of each accredited person making the assessments.

(4) The name, address, and telephone number of the person designated under § 763.84 to ensure that the duties of the local education agency are carried out, and the course name, and dates and hours of training taken by that person to carry out the duties.

(5) The recommendations made to the local education agency regarding response actions, under § 763.88(d), the name, signature, State of accreditation of each person making the recommendations, and if applicable, his or her accreditation number.

(6) A detailed description of preventive measures and response actions to be taken, including methods to be used, for any friable ACBM, the locations where such measures and action will be taken, reasons for selecting the response action or preventive measure, and a schedule for beginning and completing each preventive measure and response action.

(7) With respect to the person or persons who inspected for ACBM and who will design or carry out response actions, except for operations and maintenance, with respect to the ACBM one of the following statements:

(i) If the State has adopted a contractor accreditation program under section 206(b) of Title II of the Act, a statement that the person(s) is accredited under such plan.

(ii) A statement that the local education agency used (or will use) persons who have been accredited by another State which has adopted a contractor accreditation plan under section 206(b) of Title II of the Act or accredited by an EPA-approved cou under section 206(c) of Title II of the Act.

(8) A detailed description in the f of a blueprint, diagram, or in writin any ACBM or suspected ACBM assumed to be ACM which remain the school once response actions undertaken pursuant to § 763.90. T description shall be updated as re actions are completed.

(9) A plan for reinspection und § 763.85, a plan for operations an maintenance activities under § 7

is removed, the name and location of storage or disposal site of the ACM.

(g) For each time that major asbestos activity under § 763.91(e) is performed, the local education agency shall provide the name and signature, State of accreditation, and if applicable, the accreditation number of each person performing the activity, the start and completion dates of the activity, the locations where such activity occurred, a description of the activity including preventive measures used, and if ACBM is removed, the name and location of storage or disposal site of the ACM.

(h) For each fiber release episode under § 763.91(f), the local education agency shall provide the date and location of the episode, the method of repair, preventive measures or response action taken, the name of each person performing the work, and if ACBM is removed, the name and location of storage or disposal site of the ACM.

(Approved by the Office of Management and Budget under control number 2070-0091)

§ 763.95 Warning labels.

(a) The local education agency shall attach a warning label immediately adjacent to any friable and nonfriable ACBM and suspected ACBM assumed to be ACM located in routine maintenance areas (such as boiler rooms) at each school building. This shall include:

(1) Friable ACBM that was responded to by a means other than removal.

(2) ACBM for which no response action was carried out.

(b) All labels shall be prominently displayed in readily visible locations and shall remain posted until the ACBM that is labeled is removed.

(c) The warning label shall read, in print which is readily visible because of large size or bright color, as follows: CAUTION: ASBESTOS. HAZARDOUS. DO NOT DISTURB WITHOUT PROPER TRAINING AND EQUIPMENT.

§ 763.97 Compliance and enforcement.

(a) *Compliance with Title II of the Act.* (1) Section 207(a) of Title II of the Act (15 U.S.C. 2647) makes it unlawful for any local education agency to:

(i) Fail to conduct inspections pursuant to section 203(b) of Title II of the Act, including failure to follow procedures and failure to use accredited personnel and laboratories.

(ii) Knowingly submit false information to the Governor regarding any inspection pursuant to regulations under section 203(i) of Title II of the Act.

(iii) Fail to develop a management plan pursuant to regulations under section 203(i) of Title II of the Act.

(2) Section 207(a) of Title II of the Act (15 U.S.C. 2647) also provides that any local education agency which violates any provision of section 207 shall be liable for a civil penalty of not more than $5,000 for each day during which the violation continues. For the purposes of this subpart, a "violation" means a failure to comply with respect to a single school building.

(b) *Compliance with Title I of the Act.* (1) Section 15(1)(D) of Title I of the Act (15 U.S.C. 2614) makes it unlawful for any person to fail or refuse to comply with any requirement of Title II or any rule promulgated or order issued under Title II. Therefore, any person who violates any requirement of this Subpart is in violation of section 15 of Title I of the Act.

(2) Section 15(3) of Title I of the Act (15 U.S.C. 2614) makes it unlawful for any person to fail or refuse to establish or maintain records, submit reports, notices or other information, or permit access to or copying of records, as required by this Act or a rule thereunder.

(3) Section 15(4) (15 U.S.C. 2614) of Title I of the Act makes it unlawful for any person to fail or refuse to permit entry or inspection as required by section 11 of Title I of the Act.

(4) Section 16(a) of Title I of the Act (15 U.S.C. 2615) provides that any person who violates any provision of section 15 of Title I of the Act shall be liable to the United States for a civil penalty in an amount not to exceed $25,000 for each such violation. Each day such a violation continues shall, for purposes of this paragraph, constitute a separate violation of section 15. A local education agency is not liable for any civil penalty under Title I of the Act for failing or refusing to comply with any rule promulgated or order issued under Title II of the Act.

(c) *Criminal penalties.* If any violation committed by any person (including a local education agency) is knowing or willful, criminal penalties may be assessed under section 16(b) of Title I of the Act.

(d) *Injunctive relief.* The Agency may obtain injunctive relief under section 208(b) of Title II of the Act to respond to a hazard which poses an imminent and substantial endangerment to human health or the environment or section 17 (15 U.S.C. 2616) of Title I of the Act to restrain any violation of section 15 of Title I of the Act or to compel the taking of any action required by or under Title I of the Act.

(e) *Citizen complaints.* Any citizen who wishes to file a complaint pursuant to section 207(d) of Title II of the Act should direct the complaint to the Governor of the State or the EPA Asbestos Ombudsman, 401 M Street, SW., Washington, DC 20460. The citizen complaint should be in writing and identified as a citizen complaint pursuant to section 207(d) of Title II of TSCA. The EPA Asbestos Ombudsman or the Governor shall investigate and respond to the complaint within a reasonable period of time if the allegations provide a reasonable basis to believe that a violation of the Act has occurred.

(f) *Inspections.* EPA may conduct inspections and review management plans under section 11 of Title I of the Act (15 U.S.C. 2610) to ensure compliance.

§ 763.98 Waiver; delegation to State.

(a) *General.* (1) Upon request from a State Governor and after notice and comment and an opportunity for a public hearing in accordance with paragraphs (b) and (c) of this section, EPA may waive some or all of the requirements of this Subpart E if the State has established and is implementing or intends to implement a program of asbestos inspection and management that contains requirements that are at least as stringent as the requirements of this Subpart E.

(2) A waiver from any requirement of this Subpart E shall apply only to the specific provision for which a waiver has been granted under this section. All requirements of this Subpart E shall apply until a waiver is granted under this section.

(b) *Request.* Each request by a Governor to waive any requirement of this Subpart E shall be sent with three complete copies of the request to the Regional Administrator for the EPA Region in which the State is located and shall include:

(1) A copy of the State provisions or proposed provisions relating to its program of asbestos inspection and management in schools for which the request is made.

(2)(i) The name of the State agency that is or will be responsible for administering and enforcing the requirements for which a waiver is requested, the names and job titles of responsible officials in that agency, and phone numbers where the officials can be contacted.

(ii) In the event that more than one agency is or will be responsible for administering and enforcing the requirements for which a waiver is requested, a description of the functions to be performed by each agency, how the program will be coordinated by the lead agency to ensure consistency and

program determined to be inadequate, and specifies the facts that underlie the findings of inadequacy.

§ 763.99 Exclusions.

(a) A local education agency shall not be required to perform an inspection under § 763.85(a) in any sampling area as defined in 40 CFR 763.103 or homogeneous area of a school building where:

(1) An accredited inspector has determined that, based on sampling records, friable ACBM was identified in that homogeneous or sampling area during an inspection conducted before December 14, 1987. The inspector shall sign and date a statement to that effect with his or her State of accreditation and if applicable, accreditation number and, within 30 days after such determination, submit a copy of the statement to the person designated under § 763.84 for inclusion in the management plan. However, an accredited inspector shall assess the friable ACBM under § 763.88.

(2) An accredited inspector has determined that, based on sampling records, nonfriable ACBM was identified in that homogeneous or sampling area during an inspection conducted before December 14, 1987. The inspector shall sign and date a statement to that effect with his or her State of accreditation and if applicable, accreditation number and, within 30 days after such determination, submit a copy of the statement to the person designated under § 763.84 for inclusion in the management plan. However, an accredited inspector shall identify whether material that was nonfriable has become friable since that previous inspection and shall assess the newly-friable ACBM under § 763.88.

(3) Based on sampling records and inspection records, an accredited inspector has determined that no ACBM is present in the homogeneous or sampling area and the records show that the area was sampled, before December 14, 1987 in substantial compliance with § 763.85(a), which for purposes of this section means in a random manner and with a sufficient number of samples to reasonably ensure that the area is not ACBM.

(i) The accredited inspector shall sign and date a statement, with his or her State of accreditation and if applicable, accreditation number that the homogeneous or sampling area determined not to be ACBM was sampled in substantial compliance with § 763.85(a).

(ii) Within 30 days after the inspector's determination, the local education agency shall submit a copy of the inspector's statement to the EPA Regional Office and shall include the statement in the management plan for that school.

(4) The lead agency responsible for asbestos inspection in a State that has been granted a waiver from § 763.85(a) has determined that, based on sampling records and inspection records, no ACBM is present in the homogeneous or sampling area and the records show that the area was sampled before December 14, 1987, in substantial compliance with § 763.85(a). Such determination shall be included in the management plan for that school.

(5) An accredited inspector has determined that, based on records of an inspection conducted before December 14, 1987, suspected ACBM identified in that homogeneous or sampling area is assumed to be ACM. The inspector shall sign and date a statement to that effect, with his or her State of accreditation and if applicable, accreditation number and, within 30 days of such determination, submit a copy of the statement to the person designated under § 763.84 for inclusion in the management plan. However, an accredited inspector shall identify whether material that was nonfriable suspected ACBM assumed to be ACM has become friable since the previous inspection and shall assess the newly friable material and previously identified friable suspected ACBM assumed to be ACM under § 763.88.

(6) Based on inspection records and contractor and clearance records, an accredited inspector has determined that no ACBM is present in the homogeneous or sampling area where asbestos removal operations have been conducted before December 14, 1987, and shall sign and date a statement to that effect and include his or her State of accreditation and, if applicable, accreditation number. The local education agency shall submit a copy of the statement to the EPA Regional Office and shall include the statement in the management plan for that school.

(7) An architect or project engineer responsible for the construction of a new school building built after October 12, 1988, or an accredited inspector signs a statement that no ACBM was specified as a building material in any construction document for the building, or, to the best of his or her knowledge, no ACBM was used as a building material in the building. The local education agency shall submit a copy of the signed statement of the architect, project engineer, or accredited inspector to the EPA Regional Office and shall include the statement in the management plan for that school.

(b) The exclusion, under paragraph (a)(1) through (4) of this section, from conducting the inspection under § 763.85(a) shall apply only to homogeneous or sampling areas of a school building that were inspected and sampled before October 17, 1987. The local education agency shall conduct an inspection under § 763.85(a) of all areas inspected before October 17, 1987, that were not sampled or were not assumed to be ACM.

(c) If ACBM is subsequently found in a homogeneous or sampling area of a local education agency that had been identified as receiving an exclusion by an accredited inspector under paragraphs (a)(3), (4), (5) of this section, or an architect, project engineer or accredited inspector under paragraph (a)(7) of this section, the local education agency shall have 180 days following the date of identification of ACBM to comply with this Subpart E.

Appendix A to Subpart E—Interim Transmission Electron Microscopy Analytical Methods—Mandatory and Nonmandatory—and Mandatory Section to Determine Completion of Response Actions

I. Introduction

The following appendix contains three units. The first unit is the mandatory transmission electron microscopy (TEM) method which all laboratories must follow; it is the minimum requirement for analysis of air samples for asbestos by TEM. The mandatory method contains the essential elements of the TEM method. The second unit contains the complete non-mandatory method. The non-mandatory method supplements the mandatory method by including additional steps to improve the analysis. EPA recommends that the non-mandatory method be employed for analyzing air filters; however, the laboratory may choose to employ the mandatory method. The non-mandatory method contains the same minimum requirements as are outlined in the mandatory method. Hence, laboratories may choose either of the two methods for analyzing air samples by TEM.

The final unit of this Appendix A to Subpart E defines the steps which must be taken to determine completion of response actions. This unit is mandatory.

II. Mandatory Transmission Electron Microscopy Method

A. Definitions of Terms

1. "Analytical sensitivity"—Airborne asbestos concentration represented by each fiber counted under the electron

FLOOR PLAN SYMBOLS LEGEND

SURFACING MATERIAL

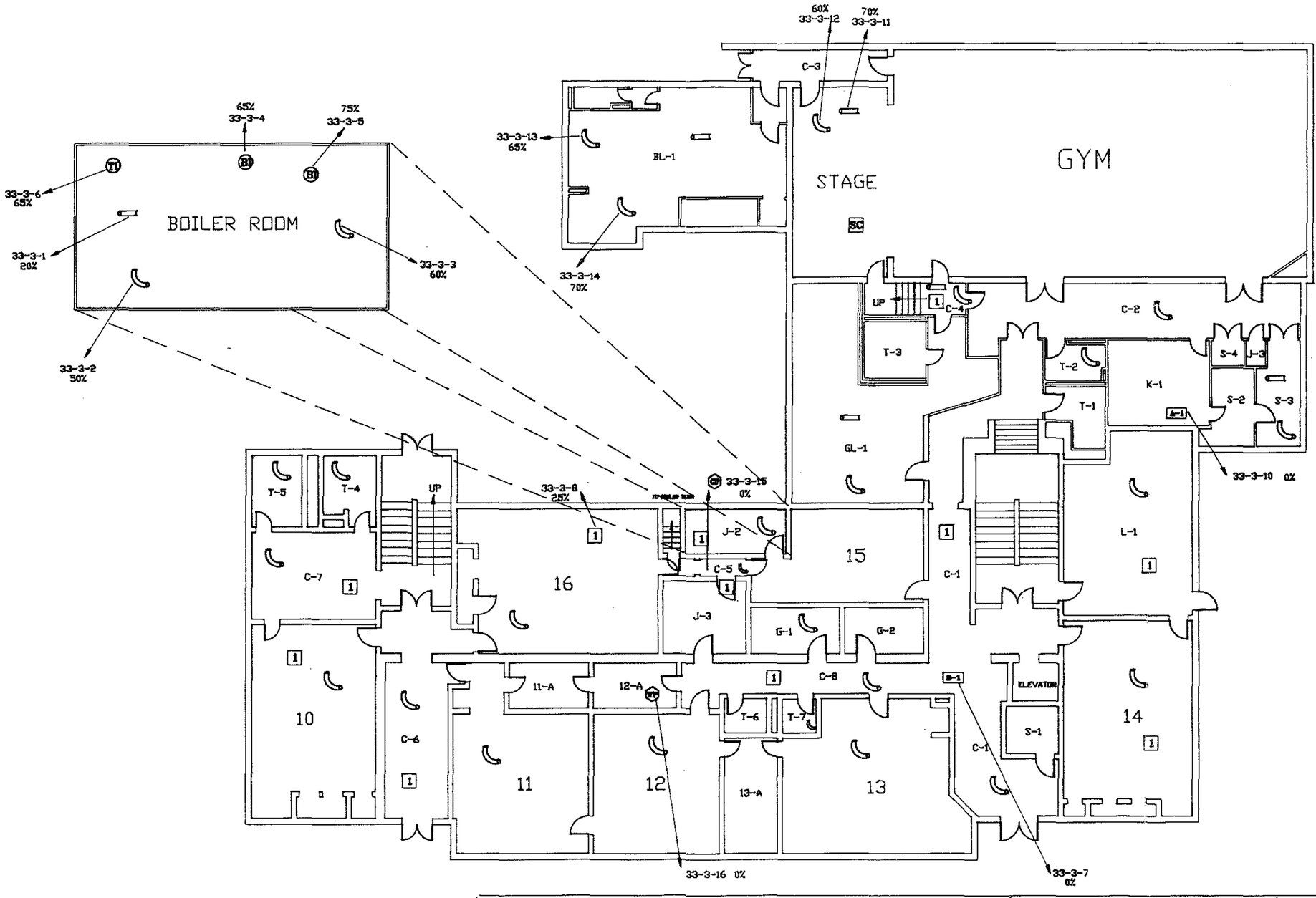
- (AS) ACOUSTICAL SPRAY
- (F) FIREPROOFING (SPRAY ON)

THERMAL INSULATION

- HARD JOINT
- PIPE INSULATION
- (BI) BOILER INSULATION
- (EI) EQUIPMENT INSULATION
- (DI) DUCT INSULATION (EXTERIOR)
- (DL) DUCT LINING (INTERIOR)
- (TI) TANK INSULATION

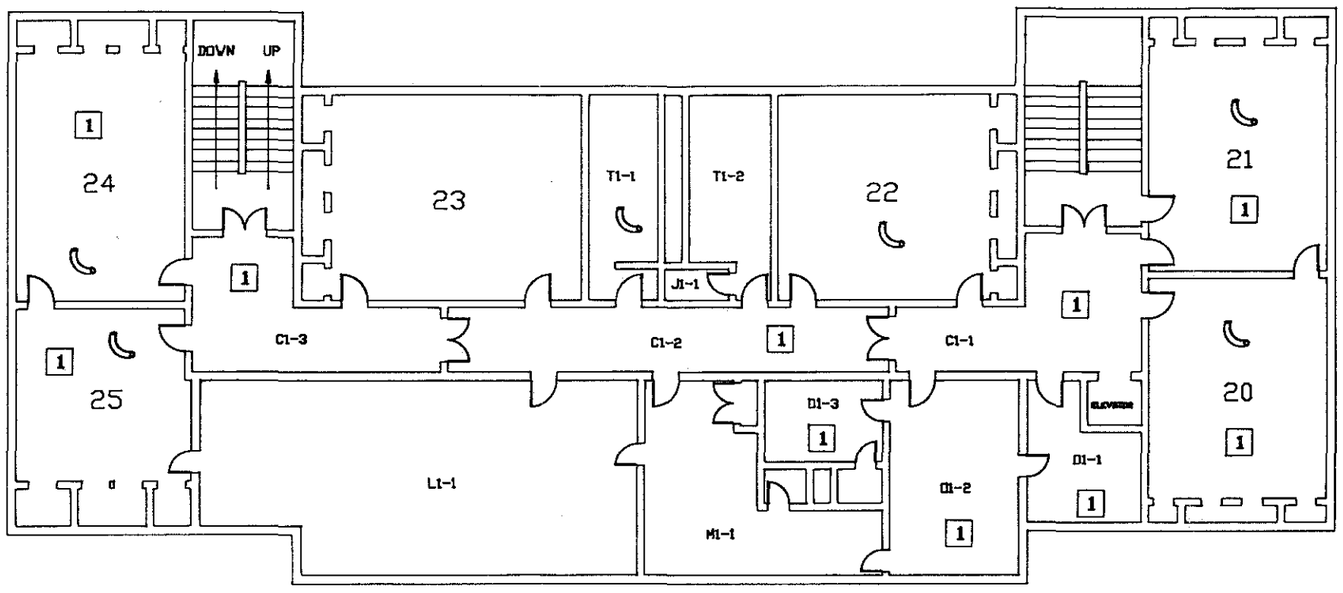
MISCELLANEOUS ACBM

- (WP), (CP) PLASTER — WALL PLASTER / CEILING PLASTER
- (S) STUCCO
- [T] TRANSITE BOARD
- [#] VINYL FLOOR TILE (VT)
- [ACP] ASBESTOS CEMENT PIPE
- [LAB] LABORATORY COUNTER TOPS
- [FD] FIRE DOOR
- [S-#] SUSPENDED ACOUSTICAL TILE (SAT)
- [A-#] ACOUSTICAL TILE (AT)
- [BB] VINYL BASEBOARD (INCLUDING MASTIC)
- [GB] GYPSUM BOARD
- [IB] INSULATION BOARD
- [S] SIDING
- [FC] FLEXIBLE CONNECTIONS
- [G] GASKETS
- [DT] DUCT TAPE
- [F] FLASHING
- [VWC] VINYL WALL COVERING
- [C] CAULKING
- [FB] FIRE BLANKET
- [SC] STAGE CURTAIN
- [AR] ASBESTOS ROPE
- [K] KILN
- (M) MISCELLANEOUS

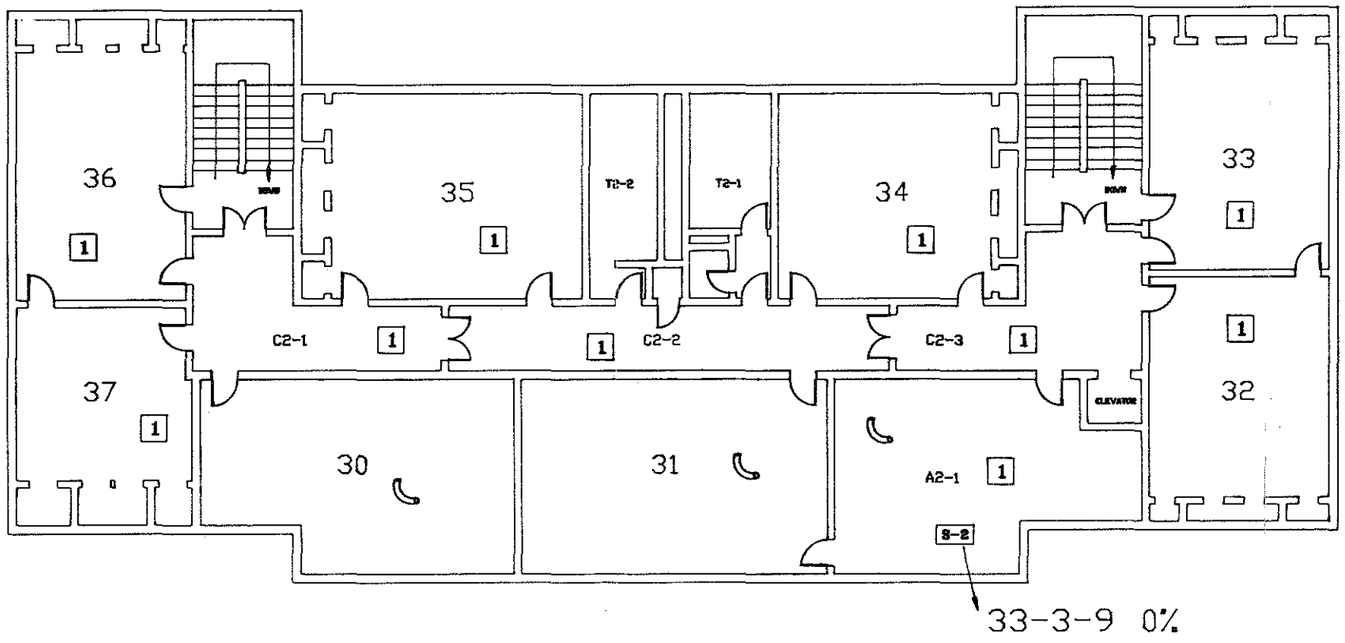


UNIVERSAL ENGINEERING CORPORATION
100 BOYLSTON STREET
BOSTON, MASSACHUSETTS

AGENCY: NEWBURYPORT, MA.		BLDG. NO:	8833
BLDG: BROWN ELEMENTARY SCHOOL			
DWG. TITLE: FIRST FLOOR PLAN			
DATE: 6/16/88		BY:	E. GREAVES



UNIVERSAL ENGINEERING CORPORATION 100 BOYLSTON STREET BOSTON, MASSACHUSETTS	AGENCY: NEWBURYPORT, MA	BLDG. NO:	8833
	BLDG: BROWN ELEMENTARY SCHOOL		
	DWG. TITLE: SECOND FLOOR PLAN		
	DATE: 6/15/88	BY:	E. GREAVES



UNIVERSAL ENGINEERING CORPORATION
100 BOYLSTON STREET
BOSTON, MASSACHUSETTS

AGENCY: NEWBURYPORT, MA.	BLDG. NO: 8833
BLDG: BROWN ELEMENTARY SCHOOL	
DWG. TITLE THIRD FLOOR PLAN	
DATE: 6/15/88	BY: E. GREAVES

SCHOOL SYSTEM: NEWBURYPORT PUBLIC SCHOOLS SCHOOL: BROWN BUILDING NUMBER: 8833-3

HOM. AREA	DESCRIPTION	SAMPLE NO.	LAB NO.	PHOTO NO.	ASBESTOS %	ASBESTOS TYPE	MATERIAL TYPE	MATERIAL LOCATION	MATERIAL QUANTITY	FRIABILITY	LEVEL OF DAMAGE CONDITION	LEVEL OF DAMAGE PHYSICAL	LEVEL OF DAMAGE WATER	LEVEL OF DAMAGE DETER.	DISTURBANCE FACTOR ACCESS	DISTURBANCE FACTOR VIBRATION	DISTURBANCE FACTOR AIR FLOW	DISTURBANCE FACTOR AIR PLENUM	PHASE ONE ACTION	PHASE ONE O&M	PHASE TWO ACTION	PHASE TWO O&M	PHASE THREE ACTION	PHASE THREE O&M	GENERAL COMMENT
1	VT-1																								
	16	33-3-8	8816709	33-F31-9	25%	CHRY	M	BC		NF	PD	<1%	<1%	NO	H	L	L	NO					8	GHMO	
	C-1,14,L-1						M	BC		NF	PD	<1%	<1%	NO	H	L	L	NO					8	GHMO	
	C-4,J-2,C-5						M	BC		NF	PD	<1%	<1%	NO	H	L	L	NO					8	GHMO	
	C-6,C-7,10						M	BC		NF	PD	<1%	<1%	NO	H	L	L	NO					8	GHMO	
	C-8,20,21						M	BC		NF	PD	<1%	<1%	NO	H	L	L	NO					8	GHMO	
	C1-1,C1-2						M	BC		NF	PD	<1%	<1%	NO	H	L	L	NO					8	GHMO	
	C1-3,24,25						M	BC		NF	PD	<1%	<1%	NO	H	L	L	NO					8	GHMO	
	01-2,01-3						M	BC		NF	PD	<1%	<1%	NO	H	L	L	NO					8	GHMO	
	C2-1,33,36						M	BC		NF	PD	<1%	<1%	NO	H	L	L	NO					8	GHMO	
	32,37,A2-1						M	BC		NF	PD	<1%	<1%	NO	H	L	L	NO					8	GHMO	
	C2-3,C2-2						M	BC		NF	PD	<1%	<1%	NO	H	L	L	NO					8	GHMO	
	34,35						M	BC		NF	PD	<1%	<1%	NO	H	L	L	NO					8	GHMO	
								TOTAL=	12,850 SF																
2	AT-1																								
	K-1	33-3-10	8816711	33-F31-11	0%		M		500 SF																
3	SAT-1																								
	C-1	33-3-7	8816708	33-F31-8	0%		M																		
	14,L-1,T-1						M																		
	T-2,C-2,S-2						M																		
	S-3,C-4,15						M																		
	C-5,C-6,16						M																		
	T-4,C-7,10						M																		
	11,11A,12						M																		
	12A,13,13A						M																		
	T-6,T-7,S-1						M																		
	S-2,C-8,21						M																		
	20,C1-1						M																		
	C1-2,M1-1						M																		
	L1-1,C1-3						M																		
	22,23,24,25						M																		
	T1-1,J1-1						M																		
	T1-2,01-2						M																		
	01-1,01-3						M																		
	C2-1,33,36						M																		
	30,31,32,37						M																		
	C2-2,C2-3						M																		
	34,35,J2-1						M																		
								TOTAL:	25,000 SF																

ASBESTOS

TYPE:

- CHRY Chrysotile
- AMOS Amosite
- ACTI Actinolite
- ANTH Anthophyllite
- CROC Crocidolite

MATERIAL

TYPE:

- S Surfacing
- T Thermal
- M Miscellaneous

LOCATION:

- AC Above Ceiling
- BC Below Ceiling

FRIABILITY

- F Friable
- NF Nonfriable

LEVEL OF DAMAGE

CONDITION:

- ND No Damage
- PD Potential For Damage
- PSD Potential For Significant Damage
- D Damage
- SD Significant Damage

DISTURBANCE FACTORS

ACCESSIBILITY:

- H High
- M Medium
- L Low

VIBRATION: H,M,L
AIR FLOW: H,M,L
AIR PLENUM: YES OR NO

SCHOOL SYSTEM: NEWBURYPORT PUBLIC SCHOOLS SCHOOL: BROWN BUILDING NUMBER: 8833-3

HOM. AREA	DESCRIPTION	SAMPLE NO.	LAB NO.	PHOTO NO.	ASBESTOS %	ASBESTOS TYPE	MATERIAL TYPE	MATERIAL LOCATION	MATERIAL QUANTITY	FRIABILITY	LEVEL OF DAMAGE CONDITION	LEVEL OF DAMAGE PHYSICAL	LEVEL OF DAMAGE WATER	LEVEL OF DAMAGE DETER.	DISTURBANCE FACTOR ACCESS	DISTURBANCE FACTOR VIBRATION	DISTURBANCE FACTOR AIR FLOW	DISTURBANCE FACTOR AIR PLENUM	PHASE ONE ACTION	PHASE ONE O&M	PHASE TWO ACTION	PHASE TWO O&M	PHASE THREE ACTION	PHASE THREE O&M	GENERAL COMMENTS
4	SAT-2																								
	A2-1	33-3-9	8816710	33-F31-10	0%		M																		
	T-5,T2-1						M																		
	T2-2						M																		
5	PLASTER																								
	12A	33-3-16	8816717	33-F31-17	0%		M																		
	C-5	33-3-15	8816716	33-F31-16	0%		M																		
	BL-1,C-3						M																		
	T-3,GL-1						M																		
	CEILING PLASTER ARE FOUND ABOVE EVERY SAT.						M																		
	C-7,11A,13A						M																		
	13,T-6,T-7						M																		
	G-1,G-2,C-8						M																		
	20,21,C1-1						M																		
	C1-2,M1-1						M																		
	L1-1,C1-3						M																		
	22,23,24,25						M																		
	T1-1,J1-1						M																		
	T1-2,J1-2						M																		
	J1-1,J1-3						M																		
	C2-1,33,36						M																		
	30,31,32,37						M																		
	A2-1,C2-3						M																		
	C2-2,J2-1						M																		
	T2-1,T2-2						M																		
	34,35						M																		
								TOTAL:	37500 SF																
6	VINYL BASEBOARD VARIOUS LOCATIONS				ASSUMED POSITIVE		M	BC	180LF	NF	PD	<1%	ND	ND	H	L	L	NO					8	GMD	

ASBESTOS

TYPE:

- CHRY Chrysotile
- AMOS Amosite
- ACTI Actinolite
- ANTH Anthophyllite
- CROC Crocidolite

MATERIAL

TYPE:

- S Surfacing
- T Thermal
- M Miscellaneous

LOCATION:

- AC Above Ceiling
- BC Below Ceiling

FRIABILITY

- F Friable
- NF Nonfriable

LEVEL OF DAMAGE

CONDITION:

- ND No Damage
- PD Potential For Damage
- PSD Potential For Significant Damage
- D Damage
- SD Significant Damage

DISTURBANCE FACTORS

ACCESSIBILITY:

- H High
- M Medium
- L Low

VIBRATION: H,M,L
AIR FLOW: H,M,L
AIR PLENUM: YES OR NO

SCHOOL SYSTEM: NEWBURYPORT PUBLIC SCHOOLS SCHOOL: BROWN BUILDING NUMBER: 8833-3

HOM. AREA	DESCRIPTION	SAMPLE NO.	LAB NO.	PHOTO NO.	ASBESTOS %	ASBESTOS TYPE	MATERIAL TYPE	MATERIAL LOCATION	MATERIAL QUANTITY	FRIABILITY	LEVEL OF DAMAGE CONDITION	LEVEL OF DAMAGE PHYSICAL	LEVEL OF DAMAGE WATER	LEVEL OF DAMAGE DETER.	DISTURBANCE FACTOR ACCESS	DISTURBANCE FACTOR VIBRATION	DISTURBANCE FACTOR AIR FLOW	DISTURBANCE FACTOR AIR PLENUM	PHASE ONE ACTION	PHASE ONE O&M	PHASE TWO ACTION	PHASE TWO O&M	PHASE THREE ACTION	PHASE THREE O&M	GENERAL COMMENTS
7	BOILER INSULATION				5% CHRY																				
	BOILER ROOM				40% AMOS																				
	BOILER #1	33-3-4	8816705	33-F31-5	20% CROC	T	BC	250 SF	NF	PD	<1%	<1%	NO	H	L	L	NO						6	GJLO	
					TOTAL 65																				
	BOILER #2	33-3-5	8816706	33-F31-6	50% CHRY																				
					25% AMOS	T	BC	250 SF	NF	PD	<1%	<1%	NO	H	L	L	NO						6	GJLO	
					TOTAL 75																				
8	TANK INSULATION																								
	BOILER ROOM	33-3-6	8816707	33-F31-7	10% CHRY	T	BC	400 SF	NF	PD	<1%	<1%	NO	H	L	L	NO						6	GJLO	
					35% AMOS																				
					20% CROC																				
					TOTAL 75																				
9	PIPE INSULATION (CORRUGATED)																								
	BOILER ROOM	33-3-1	8816702	33-F31-2	20% CHRY	T	BC	310LF	NF	PD	<1%	<1%	NO	H	L	L	NO						6	GJKLO	
	STAGE	33-3-11	8816712	33-F31-12	70% CHRY	T	BC	70LF	NF	PD	<1%	<1%	NO	H	L	L	NO						6	GJKLO	
	S-3					T	AC,BC	15LF,20LF	NF	ND,PD	<1%	<1%	NO	L,H	L	L	NO						8,6	GJKLO	
	BL-1					T	BC	40LF	NF	PD	<1%	<1%	NO	M	L	L	NO						7	GJKLO	
	GL-1					T	BC	20LF	NF	PD	<1%	<1%	NO	H	L	L	NO						6	GJKLO	
	C-4					T	AC	4LF	NF	ND	<1%	<1%	NO	L	L	L	NO						8	GJKLO	
10	JOINT INSULATION																								
	BOILER ROOM	33-3-2	8816703	33-F31-3	50% CHRY	T	BC		NF	PD	<1%	<1%	NO	H	L	L	NO						6	GJKLO	
		33-3-3	8816704	33-F31-4	40% CHRY	T	BC		NF	PD	<1%	<1%	NO	H	L	L	NO						6	GJKLO	
					20% AMOS			TOTAL 70																	
					60% TOTAL																				
	STAGE	33-3-12	8816713	33-F31-13	60% CHRY	T	BC	18	NF	PD	<1%	<1%	NO	M	L	L	NO						7	GJKLO	
	BL-1	33-3-13	8816714	33-F31-14	65% CHRY	T	BC		NF	PD	<1%	<1%	NO	M	L	L	NO						7	GJKLO	
		33-3-14	8816715	33-F31-15	70% CHRY	T	BC		NF	PD	<1%	<1%	NO	M	L	L	NO						7	GJKLO	
					TOTAL 4																				

ASBESTOS

TYPE:

- CHRY Chrysotile
- AMOS Amosite
- ACTI Actinolite
- ANTH Anthophyllite
- CROC Crocidolite

MATERIAL

TYPE:

- S Surfacing
- T Thermal
- M Miscellaneous

LOCATION:

- AC Above Ceiling
- BC Below Ceiling

FRIABILITY

- F Friable
- NF Nonfriable

LEVEL OF DAMAGE

CONDITION:

- ND No Damage
- PD Potential For Damage
- PSD Potential For Significant Damage
- D Damage
- SD Significant Damage

DISTURBANCE FACTORS

ACCESSIBILITY:

- H High
- M Medium
- L Low

VIBRATION: H,M,L
AIR FLOW: H,M,L
AIR PLENUM: YES OR NO

SCHOOL SYSTEM: NEWBURYPORT PUBLIC SCHOOLS SCHOOL: BROWN BUILDING NUMBER: 8833-3

HOM. AREA	DESCRIPTION	SAMPLE NO.	LAB NO.	PHOTO NO.	ASBESTOS %	ASBESTOS TYPE	MATERIAL TYPE	MATERIAL LOCATION	MATERIAL QUANTITY	FRIABILITY	LEVEL OF DAMAGE CONDITION	LEVEL OF DAMAGE PHYSICAL	LEVEL OF DAMAGE WATER	LEVEL OF DAMAGE DETER.	DISTURBANCE FACTOR ACCESS	DISTURBANCE FACTOR VIBRATION	DISTURBANCE FACTOR AIR FLOW	DISTURBANCE FACTOR AIR PLENUM	PHASE ONE ACTION	PHASE ONE O&M	PHASE TWO ACTION	PHASE TWO O&M	PHASE THREE ACTION	PHASE THREE O&M	GENERAL COMMENTS
11	JOINT INSULATION (CONT.)																								
	C-1					T	AC	14	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	14					T	AC	10	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	L-1					T	AC,BC	18,3	NF	ND	<1%	<1%	NO	L,H	L	L	NO					7, 6	GJKLO	
	T-2					T	AC	16	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	C-2					T	AC	2	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	S-3					T	AC,BC	5,2	NF	ND,PD	<1%	<1%	NO	L,H	L	L	NO					7, 6	GJKLO	
	GL-1					T	BC	8	NF	PD	<1%	<1%	NO	H	L	L	NO					6	GJKLO	
	C-4					T	AC	4	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	J-2					T	BC	32	NF	PD	<1%	<1%	NO	H	L	L	NO					6	GJKLO	
	C-5					T	AC	1	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	16					T	AC	14	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	C-6					T	AC	3	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	T-4					T	AC,BC	12	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	C-7					T	AC,BC	18,4	NF	ND,PD	<1%	<1%	NO	L,H	L	L	NO					7, 6	GJKLO	
	T-5					T	AC,BC	13,2	NF	ND,PD	<1%	<1%	NO	L,H	L	L	NO					7, 6	GJKLO	
	10					T	AC	17,1	NF	ND,PD	<1%	<1%	NO	L,H	L	L	NO					7, 6	GJKLO	
	11					T	AC	20	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	12					T	AC	30	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	13					T	AC	20	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	T-7					T	AC	9	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	G-1					T	AC	20	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	C-8					T	AC	1	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	21					T	AC	8	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	20					T	AC	9	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	25					T	AC	8	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	24					T	AC	4	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	22					T	AC	6	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	T1-1					T	AC	2	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	30					T	AC	9	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	31					T	AC	9	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	
	A2-1					T	AC	11	NF	ND	<1%	<1%	NO	L	L	L	NO					7	GJKLO	

RESPONSE ACTION	COST
1	0
2	0
3-5	0
6-8	$279,658
O&M	$10,000-$25,000

ASBESTOS

TYPE:

- CHRY Chrysotile
- AMOS Amosite
- ACTI Actinolite
- ANTH Anthophyllite
- CROC Crocidolite

MATERIAL

TYPE:

- S Surfacing
- T Thermal
- M Miscellaneous

LOCATION:

- AC Above Ceiling
- BC Below Ceiling

FRIABILITY

- F Friable
- NF Nonfriable

LEVEL OF DAMAGE

CONDITION:

- ND No Damage
- PD Potential For Damage
- PSD Potential For Significant Damage
- D Damage
- SD Significant Damage

DISTURBANCE FACTORS

ACCESSIBILITY:

- H High
- M Medium
- L Low

VIBRATION: H,M,L
AIR FLOW: H,M,L
AIR PLENUM: YES OR NO

IMMEDIATE RESPONSE ACTION PLAN

FUEL OIL RELEASE
BROWN SCHOOL
40 MILK STREET
NEWBURYPORT, MASSACHUSETTS

RELEASE TRACKING NUMBER 3-20517

MAY 2001

Prepared for: City of Newburyport Superintendent of Schools
70 Low Street
Newburyport, MA 01950

Prepared by: ENPRO Services, Inc.
12 Mulliken Way
Newburyport, MA 01950
(978) 465-1595

Geoffrey A. Brown
Environmental Engineer/Project Manager

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2. Laboratory Report
3. Release Notification Form
4. Immediate Response Action Transmittal Form

1.0 Introduction

ENPRO Services, Inc. (ENPRO) has prepared this Immediate Response Action (IRA) Plan to address the sudden release of #2 fuel oil at the Brown School, 40 Milk Street, in Newburyport, Massachusetts (the site). The site location is shown on the Site Locus map attached as Figure 1.

ENPRO has prepared this IRA plan on behalf of our client, the City of Newburyport. The City of Newburyport is conducting the IRA as owner of the property. The mailing address and contact person for the site is:

Mr. Eugene Case, Assistant Superintendent
Office of the Superintendent of Schools
City of Newburyport
70 Low Street
Newburyport, MA 01950

2.0 Site Background

This IRA Plan is being submitted in response to a release of #2 fuel oil at the site during the weekend of March 24, 2001. The release occurred from a leaking gauge on a furnace in the boiler room of the Brown School. The gauge apparently began to leak during the weekend of March 24, and the release was noted at approximately 6:50 a.m. on Monday, March 26, 2001. Newburyport School Department personnel estimated that approximately 40 gallons of #2 fuel oil were released via the gauge. Newburyport School Department personnel notified the Newburyport Fire Department of the release. The Newburyport Fire Department attempted to notify the Massachusetts Department of Environmental Protection (MA DEP), Northeast Regional Office of the release, via the State Police, after arriving on-site.

3.0 Initial IRA Activities Completed

The City of Newburyport contracted with ENPRO to conduct response actions, to provide field oversight of the spill cleanup, to provide Licensed Site Professional services, and to prepare appropriate reports and forms for closure of the release site in accordance with the Massachusetts Contingency Plan (MCP). ENPRO personnel arrived on-site at approximately 8:15 a.m. on March 26, 2001 to inspect the spill area and to assess the extent of the release. The oil was noted to have impacted significant portions of the concrete floor of the boiler room (Figure 2). A catch basin was noted in the center of the boiler room, but

staining on the concrete floor did not indicate that the oil had approached or entered the catch basin. Some wood and metal debris on the boiler room floor was noted to have been impacted by the oil release. Newburyport School Department personnel had shut down the boiler with the leaking gauge, terminating the release of fuel oil. Newburyport School Department and Fire Department personnel had applied sorbents to the floor in an attempt to capture ponded fuel oil.

Based on site conditions noted, ENPRO, on behalf of the City of Newburyport, attempted to notify the MA DEP of the release, via the State Police, at 8:30 a.m. The State Police stated that they had already been notified of the release, and requested that ENPRO contact the MA DEP directly after 8:45 a.m. At approximately 9 a.m., ENPRO contacted the MA DEP (Mr. Steve Ross). At that time, it appeared that the release may have been contained within the boiler room, and thus Mr. Ross requested that the notification be held, pending completion of the cleanup and associated preliminary assessment. Mr. Ross issued verbal approval for application of oil-sorbent materials, removal of oil-soaked debris, and containerization of oil-impacted sorbents and debris.

ENPRO then initiated site cleanup. A blower was set up to direct air outside the boiler room to limit the movement of oil vapors into the school. ENPRO personnel removed oil-impacted wood and debris to allow access to oil-impacted areas of the boiler room. The oil-impacted materials were placed into DOT-approved 55-gallon drums for subsequent disposal. ENPRO personnel then applied oil sorbent materials to the concrete floor. The sorbents were worked into the floor, swept up, and placed into DOT-approved 55-gallon drums for subsequent disposal. Oil sorbent pads were used to wipe surfaces adjacent to the leaking gauge that had been sprayed by the oil release. The pads were placed into DOT-approved 55-gallon drums for subsequent disposal.

Upon cleanup of ponded oil and oil-impacted concrete flooring, an ENPRO environmental engineer inspected the impacted area further. Along the eastern wall of the boiler room (Figure 2) an area of oil-stained, distressed concrete was noted. ENPRO personnel removed a small portion (0.5 by 0.5 feet) of the concrete floor by hand, and noted that soils below the floor had been impacted by the release. An apparently abandoned 2-inch diameter pipe was noted below the floor in this area. The pipe appeared to lead towards the catch basin, and thus ENPRO personnel removed the cover of the catch basin to allow inspection of the interior. Fuel oil was noted to have impacted the catch basin.

ENPRO then contacted Mr. Ross of the MA DEP. Based on the impacts to the subsurface soils and catch basin, Mr. Ross accepted the release notification. Mr. Ross assigned Release Tracking Number 3-20517 to the release. Mr. Ross

issued verbal approval for an IRA to include recovery of free oil from the catch basin, removal of oil-impacted soils, and subsequent assessment of subsurface conditions. ENPRO personnel then recovered the free oil from the catch basin via 5-gallon buckets. Approximately 20 gallons of oil were recovered and placed into DOT-approved 55-gallon drums for subsequent disposal. ENPRO then utilized a shovel to remove oil-impacted sediments and soils from the bottom of the catch basin. Soil and sediment were removed until there was no visual evidence, and limited olfactory evidence, of oil impacts to remaining soils. The soil was placed into DOT-approved 55-gallon drums for subsequent disposal.

Soil was then removed from the hole along the east wall of the boiler room (Figure 2) using a shop vacuum. Soil was removed until there was no visual evidence, and limited olfactory evidence, of oil impacts to remaining soil. The soil was placed into DOT-approved 55-gallon drums for subsequent disposal.

A total of four drums of oil-impacted oil, sorbents, debris and soil were generated during initial response actions on March 26, 2001. The materials were subsequently transported, under Uniform Hazardous Waste Manifests MA M 736440 and 736438, to Environmental Compliance Corporation in Stoughton, MA for disposal (see Appendix 1).

4.0 Additional IRA Assessment Activities Completed

To further assess the extent of oil impacts beneath the concrete boiler room floor, ENPRO personnel returned to the site on May 7, 2001. Using an electric hammer drill and concrete corer, ENPRO personnel cored 7 holes through the concrete floor at the locations indicated in Figure 3. Two borings (Boring #1 and Boring #4) could not be completed due to refusal at depths of 0.25 to 0.5 feet. Soil samples were then collected, using a stainless steel auger, at depths ranging from 0.5 to 7.5 feet below the floor. Soil samples were also collected from the catch basin and the hole along the east wall. The soil samples were field screened for headspace volatile organic compounds (VOCs) using an HNU PI-101 photoionization detector. Field screening results, summarized in Table 1, indicated that fuel oil had impacted subfloor soils in two locations. In the area of Boring #2 (Figure 3) soils were impacted to a depth of at least 7.5 feet below the level of the boiler room floor. In the area of Boring #5 (Figure 3) soils were impacted, from the hole at the east wall to the catch basin, to a depth of at least 1.5 to 5 feet below the level of the boiler room floor. To further quantify and qualify the contamination, ENPRO proposed that soil samples be submitted to an analytical laboratory for analysis for Total Petroleum Hydrocarbons (TPH), Extractable Petroleum Hydrocarbons (EPH) and Volatile Petroleum

Hydrocarbons (VPH). Five soil samples were thus submitted to Massachusetts certified analytical laboratory AMRO Environmental Laboratories Corporation (AMRO) for analysis.

Analytical results, which are summarized in Table 2 and included in Appendix 2, indicated elevated concentrations of petroleum constituents in soils beneath the oil-impacted areas described above. In the area of Boring #2, concentrations of TPH, the VPH C_9–C_{10} fraction, the EPH C_9–C_{18} fraction and the EPH C_{11}–C_{22} fraction exceeded applicable MCP S-1/GW-2, GW-3 Cleanup Standards at a depth of 0.5 to 1' below the boiler room floor. However, at a depth of 6' in the same location, TPH concentrations were below applicable standards. In the area of Boring #5, concentrations of TPH exceeded applicable MCP S-1/GW-2, GW-3 Cleanup Standards at a depth of 2' (hole at eastern wall) to 5' (catch basin) below the boiler room floor.

5.0 MCP Regulatory Requirements/Issues to be Addressed

Pursuant to 310 CMR 40.0930 of the MCP, soils and groundwater at a release site must be categorized to allow characterization of the risks posed by the site. Soils are classified as S-1, S-2 or S-3 (pursuant to 310 CMR 40.0933) based on the potential for exposure to the soils. Groundwater is classified as GW-1, GW-2 and/or GW-3 based on different exposure scenarios. Soil and groundwater categories are both considered in determining the applicable MCP Method 1 Risk Assessment soil and groundwater Cleanup Standards.

ENPRO conducted a limited review of water resources in the site area using a New England Data Map First Search Report. The First Search Report indicated that there are no protected groundwater resources (potentially productive aquifers, sole source aquifers, Zone 2s, etc.) within 0.25 miles of the site. Based on this information, groundwater at the site is classified as MCP Category GW-2 and GW-3.

Soil at the site is categorized as Category S-1, based on the fact that it is directly below a school.

Laboratory results indicate that soils in the areas described above had TPH/EPH/VPH concentrations in excess of applicable MCP S-1/GW-2, GW-3 Cleanup Standards. Therefore, ENPRO determined that the activities detailed in the following section should be completed to allow regulatory closeout of the fuel oil release.

6.0 Proposed Additional Immediate Response Actions

Based on site conditions noted to date, the following IRA assessment/remedial activities remain to be completed:

- In the areas of Boring #2 and Boring # 5 within the boiler room (Figure 3), soil with TPH and/or EPH/VPH concentrations exceeding applicable MCP cleanup standards will be excavated. During excavation, soil samples will be field screened for headspace VOCs (via HNU PI-101 PID) and TPH (via PetroFLAG field TPH test kit). When field screening indicates that soils exceeding applicable petroleum hydrocarbon cleanup standards have been excavated, then confirmatory samples will be collected from the excavation. Confirmatory soil samples will be analyzed for TPH and/or EPH/VPH. Excavated soil will be transported off-site for proper disposal and/or recycling.

- Groundwater was not encountered during soil sampling to a depth of 7.5 feet below the boiler room floor. However, if groundwater is encountered during soil removal, a water sample will be collected from the excavation. The groundwater sample will be analyzed for TPH and/or EPH/VPH. If groundwater petroleum hydrocarbon concentrations are found to exceed applicable standards, plans for additional groundwater assessment and/or remediation will be developed.

- Upon completion of the IRA, MCP-required reporting will be completed. If site conditions warrant, a Response Action Outcome Statement will be submitted. Otherwise, an Immediate Response Action Completion Statement will be submitted. IRA Status Reports will be submitted as required by the MCP.

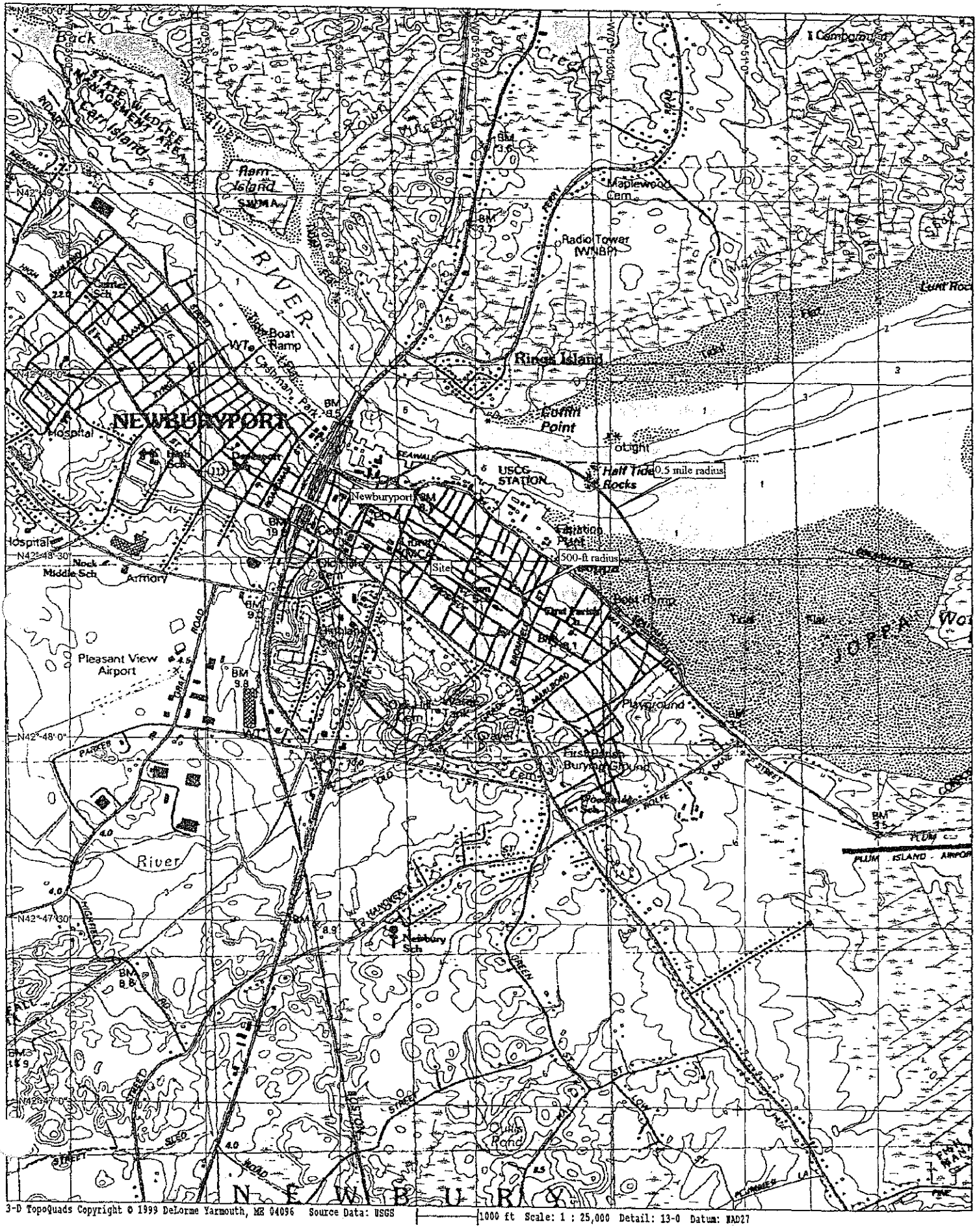
Because the release site is a school, it is proposed that IRA activities not be initiated until late June, when the school is closed for the summer.

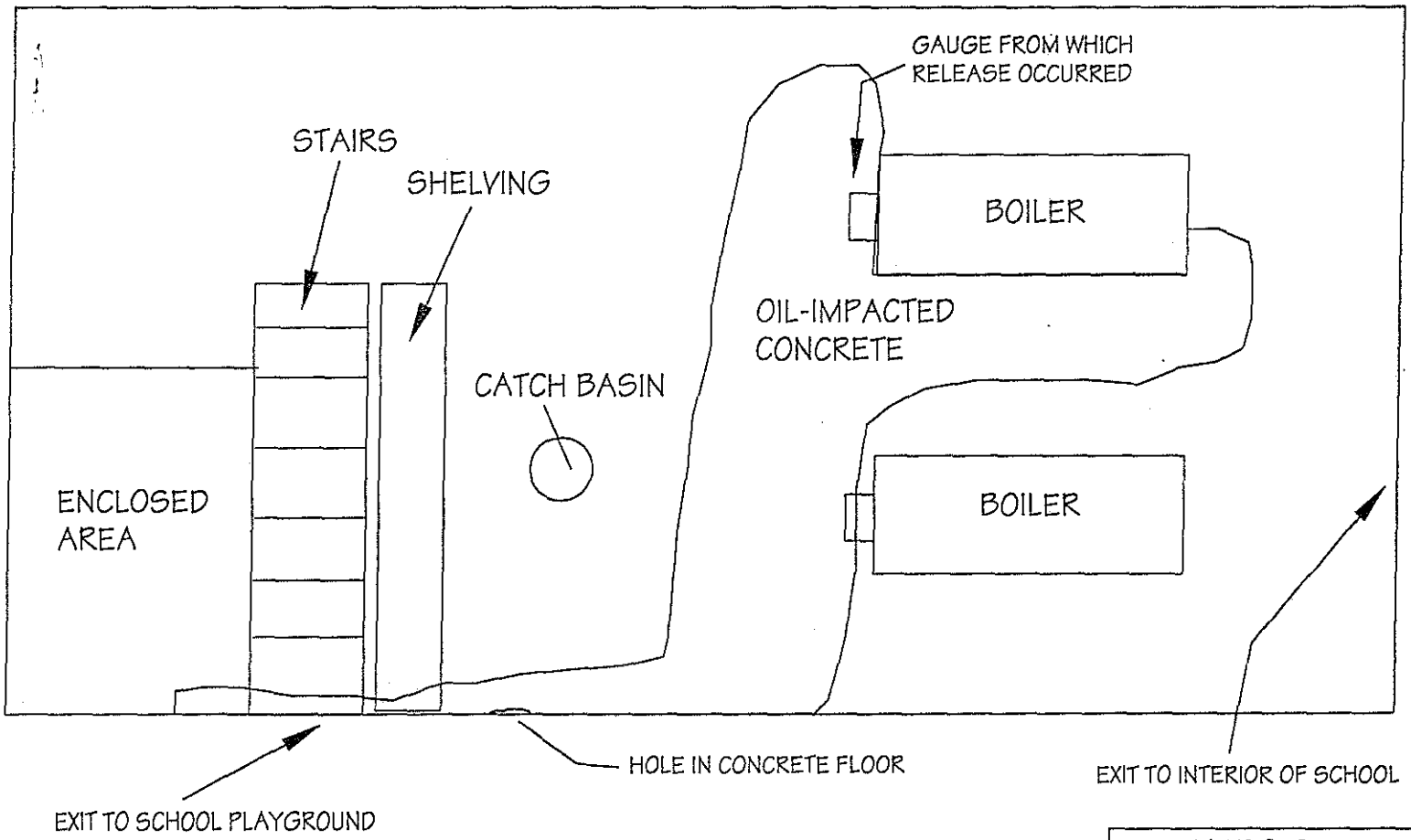
Please do not hesitate to contact ENPRO at (978) 465-1595 if you have any questions or require any additional information on this IRA Plan or on the site.

Gab995.doc

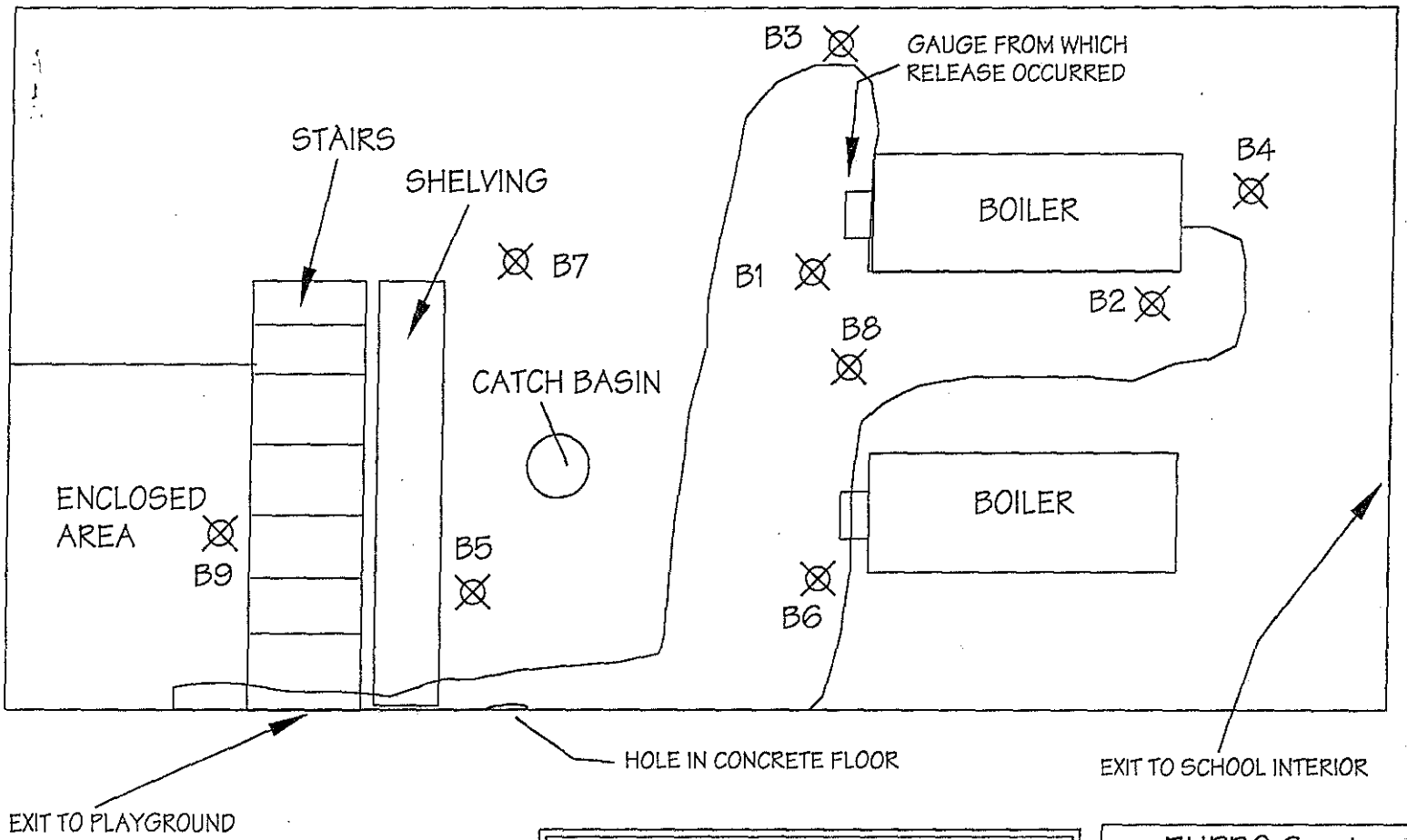
FIGURES

FIGURE 1: SITE LOCUS





ENPRO Services, Inc.	
Brown School Boiler Room 40 Milk Street Newburyport, MA	
Figure 2 - Site Sketch	
Scale: 1 inch = 5 feet	Date: May 22, 2001
N:\gab\brwnschl2.dwg	Drawn By: GAB



SOIL SAMPLE ANAYSIS DATA SUMMARY

Boring	Depth	TPH Concentration
Wall Hole	2'	19,000 ppm
B2	0-0.5'	11,000 ppm
B2	6'	550 ppm
Manhole	5'	46,000 ppm
B5	0-0.5'	9200 ppm

ENPRO Services, Inc.

Brown School Boiler Room
40 Milk Street
Newburyport, MA

Figure 3 - Soil Sample Locations

Scale: 1 inch = 5 feet	Date: May 22, 2001
N:\gab\brwnechl2.dwg	Drawn By: GAB

TABLES

TABLE 1: Field Screening Results
Brown School
May 7, 2001

Boring #	Depth (ft)	Headspace VOC Concentration, via Hnu (ppm)
Manhole	3.25	3.5
Manhole	4	24
Manhole	5	40
Manhole	6	25
Hole at Wall	2	42
Hole at Wall	3	35
Boring #1	0.5-1	9.5
Boring #2	0-0.5	60
Boring #2	1-1.5	60
Boring #2	3.5-4	52
Boring #3	0.51.5	<1
Boring #2	5	22
Boring #2	6	20
Boring #2	7.5	20
Boring #4	Refusal	No Sample
Boring #5	0.5-1	47
Boring #6	0-1	2
Boring #6	2	<1
Boring #7	1	0
Boring #7	2	0
Boring #8	1	0
Boring #8	2	0
Boring #9	1	0
Boring #9	2	0

Gab985.doc

ENPRO Services, Inc.

12 Mulliken Way, Newburyport, MA 01950
(800) 966-1102 - 24 Hours FAX (978) 465-2050

44 Rigby Road, South Portland, ME 04106
(888) 367-6660 - 24 Hours FAX (207) 773-6693

TABLE 2: Soil Analytical Results
Brown School Boiler Room
May, 2001

Parameter	Hole at Wall (mg/kg)	Boring #2 (mg/Kg)	Boring #2 (mg/Kg)	Manhole (mg/Kg)	Boring #5 (mg/Kg)	S1/GW-2 Standard (mg/Kg)	S1/GW-3 Standard (mg/Kg)
Depth	2'	0 – 0.5'	6'	5'	0.5 – 1'		
TPH	**19000**	**11000**	550	**46000**	**9200**	800	800
VPH - $C_5 – C_8$	NA	46	NA	NA	NA	100	100
VPH - $C_9 – C_{12}$	NA	120	NA	NA	NA	1000	1000
VPH - $C_9 – C_{10}$	NA	**880**	NA	NA	NA	100	100
Benzene	NA	ND (< 0.45)	NA	NA	NA	40	40
Toluene	NA	0.62	NA	NA	NA	500	500
Ethylbenzene	NA	2.6	NA	NA	NA	500	500
Total Xylenes	NA	15	NA	NA	NA	500	500
MTBE	NA	ND (< 0.45)	NA	NA	NA	100	100
Napthalene	NA	23	NA	NA	NA	100	100
EPH - C9 – C18	NA	**3500**	NA	NA	NA	1000	1000
EPH - C19 – C36	NA	1100	NA	NA	NA	2500	2500
EPH - C11 – C22	NA	**1900**	NA	NA	NA	800	800
Napthalene	NA	23	NA	NA	NA	100	100
2-Methylnapthalene	NA	71	NA	NA	NA	500	500
Phenanthrene	NA	10	NA	NA	NA	1000	100
Acenapthene	NA	5.5	NA	NA	NA	1000	1000

Notes:

- Bold number indicates exceedance of MCP Standard

Gab984

APPENDIX 1

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIALS
One Winter Street Boston, Massachusetts 02108

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
	MP9784654456	36440		

3. Generator's Name and Mailing Address
CITY OF NEWBURYPORT
SUPERINTENDENT OF SCHOOLS 70 LOW STREET
NEWBURYPORT, MA 01950
4. Generator's Phone (978) 465-4456

A. State Manifest Document Number: MA M 736440
B. State Gen. ID: 40 MILK STREET NEWBURYPORT, MA 01950

5. Transporter 1 Company Name: ENPRO SERVICES, INC.
6. US EPA ID Number: MAD980670004
C. State Trans. ID: MA G96-170
D. Transporter's Phone: (978)465-1595

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Trans. ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
ENVIRONMENTAL COMPLIANCE CORP.
441 R CANTON STREET
STOUGHTON, MA 02072
10. US EPA ID Number: MAD062179890
G. State Facility's ID: NOT REQUIRED
H. Facility's Phone: (781)297-3530

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. WASTE NO.
a. STATE REGULATED OIL WASTE	001	DM	00300	P	MA01
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code.)
a. #2 FUEL OIL CONT. DEBRIS
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T34
b.
c.
d.

15. Special Handling Instructions and Additional Information
EMERGENCY CONTACT: ENPRO SERVICES, INC. -24 HOURS- (800)-966-1102 ER GUIDEBOOK NO.:
ENPRO JOB #4405-01

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Date (Month Day Year)
MICHAEL J. JACOBSON	Michael J. Jacobson	08 26 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Larry Bouchard	Larry Bl	08 26 01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Andrew Moore	Andrew Moore	10-29-01

In case of emergency or spill, immediately call the National Response Center (800) 424-8802

Form Approved OMB No. 2050-0039. Expires 9-30-99
EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 5: TRANSPORTER 1 RETAINS

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIALS
One Winter Street Boston, Massachusetts 02108

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: MP9784654456 | Manifest Document No.: 36438 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

Generator's Name and Mailing Address
CITY OF NEWBURYPORT
SUPERINTENDENT OF SCHOOLS 70 LOW STREET
NEWBURYPORT, MA 01950
4. Generator's Phone (978) 465-4456

A. State Manifest Document Number: MA M 736438
B. State Gen. ID: 40 MILK STREET NEWBURYPORT, MA 01950

5. Transporter 1 Company Name: ENPRO SERVICES, INC.
6. US EPA ID Number: MAD980670006
C. State Trans. ID: MA G96 170
D. Transporter's Phone: (978)465-1595

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Trans. ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
ENVIRONMENTAL COMPLIANCE CORP.
441 R CANTON STREET
STOUGHTON, MA 02072
10. US EPA ID Number: MAD062179890
G. State Facility's ID: NOT REQUIRED
H. Facility's Phone: (781)297-3530

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	WASTE NO.
a. STATE REGULATED OIL WASTE	003	DM	00900	P	MA01
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code.)
a. #2 FUEL OIL CONT. DEBRIS
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. T34
c.
b.
d.

15. Special Handling Instructions and Additional Information
EMERGENCY CONTACT: ENPRO SERVICES, INC. -24 HOURS- (800)-966-1102 ER GUIDEBOOK NO.:
ENPRO JOB #4405-01

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: Eugene E. Cote | Signature: Eugene E. Cote | Date: Month 02 Day 21 Year 01

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: LARRY BOUCHARD | Signature: [signature] | Date: Month 03 Day 26 Year 01
18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name | Signature | Date: Month Day Year

FACILITY
19. Discrepancy Indication Space
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19 — Printed/Typed Name: Andrew Moore | Signature: [signature] | Date: Month 03 Day 27 Year 01

Form Approved OMB No. 2050-0039, Expires 9-30-99
EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY>5: TRANSPORTER 1 RETAINS

In case of emergency or spill, immediately call the National Response Center (800) 424-8802

GENERATOR

MA M 736438 COPY>5: TRANSPORTER 1 RETAINS

APPENDIX 2

AMRO Environmental Laboratories Corporation

111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

May 17, 2001

Geoff Brown
ENPRO Services
12 Mulliken Way
Newburyport, MA 01950
TEL: (978) 465-1595
FAX: (978) 465-2050

RE: 4405 Brown School N' Post Order No.: 0105098

Dear Geoff Brown:

AMRO Environmental Laboratories Corp. received 5 samples on 5/9/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 21 pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart
Vice President / Lab Director

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT: ENPRO Services
Project: 4405 Brown School N' Post
Lab Order: 0105098
Date Received: 5/9/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0105098-01A	Hole at wall - 2'	5/7/01
0105098-02A	Boring #2 - 0-6"	5/7/01
0105098-02B	Boring #2 - 0-6"	5/7/01
0105098-03A	Boring #2 - 6'	5/7/01
0105098-04A	Manhole-5'	5/7/01
0105098-05A	B 5 - 6-12"	5/7/01

CLIENT: ENPRO Services
Project: 4405 Brown School N' Post
Lab Order: 0105098

CASE NARRATIVE

TPH
1. Samples 0105098-01A, 0105098-02A, 0105098-03A, and 0105098-04A had recoveries for the surrogate o-Terphenyl outside the laboratory control limits (51-132%).

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Hole at wall - 2'
Lab Order:	0105098	**Tag Number:**	
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH BY GC/FID (MODIFIED 8015B)		**SW8015B**				Analyst: KD
Gasoline	ND	510		mg/Kg-dry	10	5/14/01 8:12:00 PM
Mineral Spirits	ND	510		mg/Kg-dry	10	5/14/01 8:12:00 PM
Kerosene	ND	510		mg/Kg-dry	10	5/14/01 8:12:00 PM
Diesel Fuel/Fuel Oil #2	19,000	510		mg/Kg-dry	10	5/14/01 8:12:00 PM
Motor Oil/Hydraulic Oil	ND	1,000		mg/Kg-dry	10	5/14/01 8:12:00 PM
Unidentified Hydrocarbons	ND	510		mg/Kg-dry	10	5/14/01 8:12:00 PM

Gasoline cannot be accurately determined by this method. Purge and trap sample introduction into a GC or GCMS is the recommended approach for gasoline. Due to the physical, chemical, and biological processes which affect the chemical composition of fuel mixtures exposed to the environment, the qualitative identity of a hydrocarbon mixture as a fuel product is not always conclusive by this method due to the method's reliance on chromatographic pattern recognition. A result provided for a specific fuel indicates that the mixture present in the sample has a chromatographic pattern similar to the laboratory's reference standard for that fuel mixture under specific GC operating conditions utilized at the time of analysis. A result identified as Unidentified Hydrocarbons is based upon the detector response obtained for the laboratory's Fuel Oil#2 reference standard and includes the entire chromatographic response for the sample between n-Alkanes of carbon numbers C9 to C36.

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded.
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boring #2 - 0-6"
Lab Order:	0105098	**Tag Number:**	
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-02A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH BY GC/FID (MODIFIED 8015B)		**SW8015B**				Analyst: KD
Gasoline	ND	260		mg/Kg-dry	5	5/14/01 8:49:00 PM
Mineral Spirits	ND	260		mg/Kg-dry	5	5/14/01 8:49:00 PM
Kerosene	ND	260		mg/Kg-dry	5	5/14/01 8:49:00 PM
Diesel Fuel/Fuel Oil #2	11,000	260		mg/Kg-dry	5	5/14/01 8:49:00 PM
Motor Oil/Hydraulic Oil	ND	520		mg/Kg-dry	5	5/14/01 8:49:00 PM
Unidentified Hydrocarbons	ND	260		mg/Kg-dry	5	5/14/01 8:49:00 PM

Gasoline cannot be accurately determined by this method. Purge and trap sample introduction into a GC or GCMS is the recommended approach for gasoline. Due to the physical, chemical, and biological processes which affect the chemical composition of fuel mixtures exposed to the environment, the qualitative identity of a hydrocarbon mixture as a fuel product is not always conclusive by this method due to the method's reliance on chromatographic pattern recognition. A result provided for a specific fuel indicates that the mixture present in the sample has a chromatographic pattern similar to the laboratory's reference standard for that fuel mixture under specific GC operating conditions utilized at the time of analysis. A result identified as Unidentified Hydrocarbons is based upon the detector response obtained for the laboratory's Fuel Oil#2 reference standard and includes the entire chromatographic response for the sample between n-Alkanes of carbon numbers C9 to C36.

Qualifiers:

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- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- H - Method prescribed holding time exceeded.
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- # - See Case Narrative
- RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boring #2 - 6'
Lab Order:	0105098	**Tag Number:**	
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-03A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH BY GC/FID (MODIFIED 8015B)		**SW8015B**				Analyst: KD
Gasoline	ND	50		mg/Kg-dry	1	5/12/01 1:14:00 AM
Mineral Spirits	ND	50		mg/Kg-dry	1	5/12/01 1:14:00 AM
Kerosene	ND	50		mg/Kg-dry	1	5/12/01 1:14:00 AM
Diesel Fuel/Fuel Oil #2	550	50		mg/Kg-dry	1	5/12/01 1:14:00 AM
Motor Oil/Hydraulic Oil	ND	100		mg/Kg-dry	1	5/12/01 1:14:00 AM
Unidentified Hydrocarbons	ND	50		mg/Kg-dry	1	5/12/01 1:14:00 AM

Gasoline cannot be accurately determined by this method. Purge and trap sample introduction into a GC or GCMS is the recommended approach for gasoline. Due to the physical, chemical, and biological processes which affect the chemical composition of fuel mixtures exposed to the environment, the qualitative identity of a hydrocarbon mixture as a fuel product is not always conclusive by this method due to the method's reliance on chromatographic pattern recognition. A result provided for a specific fuel indicates that the mixture present in the sample has a chromatographic pattern similar to the laboratory's reference standard for that fuel mixture under specific GC operating conditions utilized at the time of analysis. A result identified as Unidentified Hydrocarbons is based upon the detector response obtained for the laboratory's Fuel Oil#2 reference standard and includes the entire chromatographic response for the sample between n-Alkanes of carbon numbers C9 to C36.

Qualifiers:

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- B - Analyte detected in the associated Method Blank
- H - Method prescribed holding time exceeded.
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- # - See Case Narrative
- RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Manhole-5'
Lab Order:	0105098	**Tag Number:**	
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-04A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH BY GC/FID (MODIFIED 8015B)		**SW8015B**				Analyst: KD
Gasoline	ND	520		mg/Kg-dry	10	5/12/01 3:06:00 AM
Mineral Spirits	ND	520		mg/Kg-dry	10	5/12/01 3:06:00 AM
Kerosene	ND	520		mg/Kg-dry	10	5/12/01 3:06:00 AM
Diesel Fuel/Fuel Oil #2	46,000	520		mg/Kg-dry	10	5/12/01 3:06:00 AM
Motor Oil/Hydraulic Oil	ND	1,000		mg/Kg-dry	10	5/12/01 3:06:00 AM
Unidentified Hydrocarbons	ND	520		mg/Kg-dry	10	5/12/01 3:06:00 AM

Gasoline cannot be accurately determined by this method. Purge and trap sample introduction into a GC or GCMS is the recommended approach for gasoline. Due to the physical, chemical, and biological processes which affect the chemical composition of fuel mixtures exposed to the environment, the qualitative identity of a hydrocarbon mixture as a fuel product is not always conclusive by this method due to the method's reliance on chromatographic pattern recognition. A result provided for a specific fuel indicates that the mixture present in the sample has a chromatographic pattern similar to the laboratory's reference standard for that fuel mixture under specific GC operating conditions utilized at the time of analysis. A result identified as Unidentified Hydrocarbons is based upon the detector response obtained for the laboratory's Fuel Oil#2 reference standard and includes the entire chromatographic response for the sample between n-Alkanes of carbon numbers C9 to C36.

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- H - Method prescribed holding time exceeded.
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- # - See Case Narrative
- RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	B 5 - 6-12"
Lab Order:	0105098	**Tag Number:**	
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-05A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH BY GC/FID (MODIFIED 8015B)		**SW8015B**				Analyst: KD
Gasoline	ND	270		mg/Kg-dry	5	5/14/01 9:25:00 PM
Mineral Spirits	ND	270		mg/Kg-dry	5	5/14/01 9:25:00 PM
Kerosene	ND	270		mg/Kg-dry	5	5/14/01 9:25:00 PM
Diesel Fuel/Fuel Oil #2	9,200	270		mg/Kg-dry	5	5/14/01 9:25:00 PM
Motor Oil/Hydraulic Oil	ND	550		mg/Kg-dry	5	5/14/01 9:25:00 PM
Unidentified Hydrocarbons	ND	270		mg/Kg-dry	5	5/14/01 9:25:00 PM

Gasoline cannot be accurately determined by this method. Purge and trap sample introduction into a GC or GCMS is the recommended approach for gasoline. Due to the physical, chemical, and biological processes which affect the chemical composition of fuel mixtures exposed to the environment, the qualitative identity of a hydrocarbon mixture as a fuel product is not always conclusive by this method due to the method's reliance on chromatographic pattern recognition. A result provided for a specific fuel indicates that the mixture present in the sample has a chromatographic pattern similar to the laboratory's reference standard for that fuel mixture under specific GC operating conditions utilized at the time of analysis. A result identified as Unidentified Hydrocarbons is based upon the detector response obtained for the laboratory's Fuel Oil#2 reference standard and includes the entire chromatographic response for the sample between n-Alkanes of carbon numbers C9 to C36.

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded.
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boring #2 - 0-6"
Lab Order:	0105098	**Tag Number:**	
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-02B	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS		**MAVPH**				Analyst: SK
C5-C8 Aliphatic Hydrocarbons	46	22		mg/Kg-dry	10	5/15/01 1:45:00 AM
C9-C12 Aliphatic Hydrocarbons	120	5.6		mg/Kg-dry	10	5/15/01 1:45:00 AM
C9-C10 Aromatic Hydrocarbons	880	56		mg/Kg-dry	100	5/17/01 4:42:00 AM
Methyl tert-butyl ether	ND	0.45		mg/Kg-dry	10	5/15/01 1:45:00 AM
Benzene	ND	0.45		mg/Kg-dry	10	5/15/01 1:45:00 AM
Toluene	0.62	0.45		mg/Kg-dry	10	5/15/01 1:45:00 AM
Ethylbenzene	2.6	0.45		mg/Kg-dry	10	5/15/01 1:45:00 AM
m,p-Xylene	9.3	0.45		mg/Kg-dry	10	5/15/01 1:45:00 AM
o-Xylene	5.7	0.45		mg/Kg-dry	10	5/15/01 1:45:00 AM
Naphthalene	23	1.1		mg/Kg-dry	10	5/15/01 1:45:00 AM
Surr: Dibromofluoromethane	78.2	70-130		%REC	10	5/15/01 1:45:00 AM
Surr: 1,2-Dichloroethane-d4	92.7	70-130		%REC	10	5/15/01 1:45:00 AM
Surr: Toluene-d8	90.6	70-130		%REC	10	5/15/01 1:45:00 AM
Surr: 4-Bromofluorobenzene	93.9	70-130		%REC	10	5/15/01 1:45:00 AM
Surr: 2,5-Dibromotoluene	123	70-130		%REC	10	5/15/01 1:45:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 5-17-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boring #2 - 0-6"
Lab Order:	0105098	**Tag Number:**	
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-02A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH						Analyst: GG
C9-C18 Aliphatic Hydrocarbons	3,500	260		mg/Kg-dry	5	5/15/01 10:57:00 AM
C19-C36 Aliphatic Hydrocarbons	1,100	260		mg/Kg-dry	5	5/15/01 10:57:00 AM
C11-C22 Aromatic Hydrocarbons	1,900	52		mg/Kg-dry	1	5/15/01 12:42:00 AM
Naphthalene	23	0.26		mg/Kg-dry	1	5/15/01 12:42:00 AM
2-Methylnaphthalene	71	1.3		mg/Kg-dry	5	5/15/01 10:57:00 AM
Acenaphthene	5.5	0.26		mg/Kg-dry	1	5/15/01 12:42:00 AM
Phenanthrene	10	0.26		mg/Kg-dry	1	5/15/01 12:42:00 AM
Surr: 1-Chlorooctadecane	95.4	40-140		%REC	1	5/15/01 12:42:00 AM
Surr: 2-Bromonaphthalene	110	40-140		%REC	1	5/15/01 12:42:00 AM
Surr: 2-Fluorobiphenyl	111	40-140		%REC	1	5/15/01 12:42:00 AM
Surr: o-Terphenyl	98.5	40-140		%REC	1	5/15/01 12:42:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 5-17-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

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J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Hole at wall - 2'
Lab Order:	0105098		
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	D2216					Analyst: CLB
Percent Moisture	4.1	0		wt%	1	5/10/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boring #2 - 0-6"
Lab Order:	0105098		
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-02A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	**D2216**					Analyst: CLB
Percent Moisture	6.6	0		wt%	1	5/10/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boring #2 - 6'
Lab Order:	0105098		
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-03A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		D2216				Analyst: CLB
Percent Moisture	3.0	0		wt%	1	5/10/01

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Manhole-5'
Lab Order:	0105098		
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-04A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	**D2216**					Analyst: CLB
Percent Moisture	5.4	0		wt%	1	5/10/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	B 5 - 6-12"
Lab Order:	0105098		
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-05A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		D2216				Analyst: CLB
Percent Moisture	8.6	0		wt%	1	5/10/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

17-May-01

Lab Order: 0105098
Client: ENPRO Services
Project: 4405 Brown School N' Post

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0105098-01A	Hole at wall - 2'	5/7/01	Soil	Percent Moisture			5/10/01
				TPH by GC/FID (modified 8015B)		5/10/01	5/14/01
0105098-02A	Boring #2 - 0-6"			EPH, Soil, 4 Diesel PAHs		5/12/01	5/15/01
				EPH, Soil, 4 Diesel PAHs		5/12/01	5/15/01
				Percent Moisture			5/10/01
				TPH by GC/FID (modified 8015B)		5/10/01	5/14/01
0105098-02B				Volatile Petroleum Hydrocarbons		5/7/01	5/15/01
				Volatile Petroleum Hydrocarbons		5/7/01	5/17/01
0105098-03A	Boring #2 - 6'			Percent Moisture			5/10/01
				TPH by GC/FID (modified 8015B)		5/10/01	5/12/01
0105098-04A	Manhole-5'			Percent Moisture			5/10/01
				TPH by GC/FID (modified 8015B)		5/10/01	5/12/01
0105098-05A	B 5 - 6-12"			Percent Moisture			5/10/01
				TPH by GC/FID (modified 8015B)		5/10/01	5/14/01

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
~~(603) 424-2022~~

Client: ENPRO
Project Name: Brown School
Ship via: (circle one) Fed Ex., UPS (AMRO Courier),
Hand Del., Other Courier, Other:

AMRO ID: 0105098
Date Rec.: 5-9-01
Date Due: 5-16-01

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?			X	
2. Custody Seals present?			X	
3. Custody Seals Intact?			X	
4. Air Bill included in folder if received?			X	
5. Is COC included with samples?	X			
6. Is COC signed and dated by client?	X			
7. Laboratory receipt temperature. TEMP = 5°			X	
Samples rec. with ice___ ice packs X neither___			X	
8. Were samples received the same day they were sampled?		X		
Is client temperature 4°C ± 2°C?	X			
If no obtain authorization from the client for the analyses.			X	
Client authorization from: Date: Obtained by:			X	
9. Is the COC filled out correctly and completely?	X			
10. Does the info on the COC match the samples?	X			
11. Were samples rec. within holding time?	X			
12. Were all samples properly labeled?	X			
13. Were all samples properly preserved?	X			
14. Were proper sample containers used?	X			
15. Were all samples received intact? (none broken or leaking)	X			
16. Were VOA vials rec. with no air bubbles?			X	
17. Were the sample volumes sufficient for requested analysis?	X			
18. Were all samples received?	X			
19. VPH and VOA Soils only:				
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): (M=Methanol) SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?	X			
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?	X			
If NO then client must be faxed.				
Were vials provided by AMRO?	X			
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?	X			
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			X	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	X			
Dry Weight Log?	X			
Client Log?			X	
Composite Log?			X	
Filtration Log?			X	

Received By: C.C Date: 5-9-01 Logged in By: D.O Date: 5-9-01
Labeled By: D.O Date: 5-9-01 Checked By: MG Date: 5-10-01

NA= Not Applicable

ENPRO Services Inc.

12 Mulliken Way
Newburyport, MA 01950

0505

CHAIN OF CUSTODY RECORD

Job No.	Job Name	State
4405	[illegible]	MA

Samplers (Signature)

Date	Time	Comp.	Grab	Sample Number	Type, Size, & No. of Containers	MATRIX Water - A Soil/Solid-S Waste-W Other-O	Explain	TPH by 8100m	EPH w/ 4 Target	VPH w/ List				Remarks
5/7/01	9:30	X		Hole 2 (wall - 2'	1x 8oz	S		X						
5/7/01	10:15	X		Boring 12 - 0-6"	1 1oz 1x80z	S		X	X	X				
5/7/01	11:30	X		Boring 13 - 6'	1x 8oz	S		X						
5/7/01	11:45	X		Middle - 5'	1x 8oz	S		X						
5/7/01	12:15	X		B 5 - 6-12"	1x 8oz	S		X						

Relinquished by: (Signature)	Date Time	Received by (Signature)	Fax to (phone) (978) 465-2050	Send Results to:
[signature]	5/9/01 4:15	[signature] 5/9/01 13:30	Results needed 5 day TAT	ENPRO Services, Inc. 12 Mulliken Way Newburyport, MA 01950 Attn: Gail Ryan
Relinquished by: (Signature)	Date Time	Received by (Signature)	PO# 68221	
Relinquished by: (Signature)	Date Time	Received by (Signature)	Laboratory Project No. 0105098	Remarks
Relinquished by: (Signature), [signature]	Date Time 5/9/01 15:00	Received for Laboratory by (Signature) [signature]	Seal Intact? Yes No N/A	

The Commonwealth of Massachusetts

Department of Environmental Protection

Division of Environmental Analysis
Senator William X. Wall Experiment Station

certifies

M-NH012

AMRO ENVIRONMENTAL LAB
111 HERRICK ST
MERRIMACK, NH 03054-0000

Laboratory Director: Nancy Stewart

for the analysis of NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (CHEMISTRY)

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.

Issued: 01 JUL 2000

Expires: 30 JUN 2001

Oscar C. Jacobs

Director, Division of Environmental Analysis

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 02 MAY 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY) Effective Date 02 MAY 2001 Expiration Date 30 JUN 2001

Analytes and Methods

ALUMINUM	EPA 200.7	NITRATE-N	EPA 353.2
ANTIMONY	EPA 200.7	KJELDAHL-N	EPA 351.1
ANTIMONY	EPA 204.2	KJELDAHL-N	EPA 351.2
ARSENIC	EPA 200.7	ORTHOPHOSPHATE	EPA 365.2
ARSENIC	EPA 206.2	ORTHOPHOSPHATE	EPA 300.0
ARSENIC	ASTM D2972-93(C)	TOTAL PHOSPHORUS	EPA 365.2
BERYLLIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	EPA 410.4
CADMIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	HACH METHOD 8000
CHROMIUM	EPA 200.7	BIOCHEMICAL OXYGEN DEMAND	EPA 405.1
COBALT	EPA 200.7	TOTAL CYANIDE	EPA 335.2
COPPER	EPA 200.7	NON-FILTERABLE RESIDUE	EPA 160.2
IRON	EPA 200.7	TOTAL RESIDUAL CHLORINE	SM 4500-CL-G
LEAD	EPA 200.7	OIL AND GREASE	EPA 413.1
LEAD	EPA 239.2	TOTAL PHENOLICS	EPA 420.1
MANGANESE	EPA 200.7	VOLATILE HALOCARBONS	EPA 624
MERCURY	EPA 245.1	VOLATILE AROMATICS	EPA 624
MOLYBDENUM	EPA 200.7	CHLORDANE	EPA 608
NICKEL	EPA 200.7	ALDRIN	EPA 608
SELENIUM	EPA 200.7	DIELDRIN	EPA 608
SELENIUM	EPA 270.2	DDD	EPA 608
SILVER	EPA 200.7	DDT	EPA 608
STRONTIUM	EPA 200.7	HEPTACHLOR	EPA 608
THALLIUM	EPA 200.7	HEPTACHLOR EPOXIDE	EPA 608
THALLIUM	EPA 279.2	POLYCHLORINATED BIPHENYLS (WATEF	EPA 608
ZINC	EPA 200.7	POLYCHLORINATED BIPHENYLS (OIL)	EPA 600/4-81-045
PH	EPA 150.1		
SPECIFIC CONDUCTIVITY	EPA 120.1		
TOTAL DISSOLVED SOLIDS	EPA 160.1		
TOTAL HARDNESS (CACO3)	EPA 200.7		
CALCIUM	EPA 200.7		
MAGNESIUM	EPA 200.7		
SODIUM	EPA 200.7		
POTASSIUM	EPA 200.7		
TOTAL ALKALINITY	EPA 310.1		
CHLORIDE	EPA 325.3		
CHLORIDE	EPA 300.0		
FLUORIDE	EPA 340.2		
FLUORIDE	EPA 300.0		
SULFATE	EPA 375.4		
SULFATE	EPA 300.0		
AMMONIA-N	EPA 350.2		
NITRATE-N	EPA 300.0		

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 02 MAY 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

POTABLE WATER (CHEMISTRY) Effective Date 01 MAY 2001 Expiration Date 30 JUN 2001

Analytes and Methods

ANTIMONY	EPA 200.9
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
LEAD	EPA 200.9
MERCURY	EPA 245.1
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	EPA 300.0
FLUORIDE	SM 4500-F-E
SULFATE	EPA 300.0
CYANIDE	SM 4500-CN-C,E
TURBIDITY	EPA 180.1
RESIDUAL FREE CHLORINE	SM 4500-CL-G
CALCIUM	EPA 200.7
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1

APPENDIX 3

Massachusetts Department of Environmental Protection — **BWSC-103**

Bureau of Waste Site Cleanup

ORIGINAL

RELEASE NOTIFICATION & NOTIFICATION RETRACTION FORM

Pursuant to 310 CMR 40.0335 and 310 CMR 40.0371 (Subpart G)

Release Tracking Number: 3 - 20517 (If assigned by DEP)

A. RELEASE OR THREAT OF RELEASE LOCATION:

Street: 40 Milk Street — Location Aid: Brown School

City/Town: Newburyport — ZIP Code: 01950-0000

B. THIS FORM IS BEING USED TO: (check one)

☑ Submit a **Release Notification** (complete all sections of this form).

☐ Submit a **Retraction of a Previously Reported Notification** of a Release or Threat of Release (complete Sections A, B, E, F and G of this form). You **MUST** attach the supporting documentation required by 310 CMR 40.0335.

C. INFORMATION DESCRIBING THE RELEASE OR THREAT OF RELEASE (TOR):

Date and time you obtained knowledge of the Release or TOR. Date: 03/26/01 Time: 6:50 Specify: ☑ AM ☐ PM

The date you obtained knowledge is always required. The time you obtained knowledge is not required if reporting only 120 Day Conditions.

IF KNOWN, record date and time release or TOR occurred. Date: Weekend of 3/24 Time: Unknown Specify: ☐ AM ☐ PM

☐ Check here if you previously provided an Oral Notification to DEP (2 Hour and 72 Hour Reporting Conditions only).

Provide date and time of Oral Notification. Date: 03/26/01 Time: 8:30 * Specify: ☑ AM ☐ PM

* See note on bottom of page 2

Check all Notification Thresholds that apply to the Release or Threat of Release: (for more information see 310 CMR 40.0310 - 40.0315)

2 HOUR REPORTING CONDITIONS	72 HOUR REPORTING CONDITIONS	120 DAY REPORTING CONDITIONS
☑ Sudden Release	☐ Subsurface Non-Aqueous Phase Liquid (NAPL) Equal to or Greater than 1/2 Inch	☐ Release of Hazardous Material(s) to Soil or Groundwater Exceeding Reportable Concentration(s)
☐ Threat of Sudden Release	☐ Underground Storage Tank (UST) Release	☐ Release of Oil to Soil Exceeding Reportable Concentration(s) and Affecting More than 2 Cubic Yards
☐ Oil Sheen on Surface Water	☐ Threat of UST Release	☐ Release of Oil to Groundwater Exceeding Reportable Concentration(s)
☐ Poses Imminent Hazard	☐ Release to Groundwater near Water Supply	☐ Subsurface Non-Aqueous Phase Liquid (NAPL) Equal to or Greater than 1/8 Inch and Less than 1/2 Inch
☐ Could Pose Imminent Hazard	☐ Release to Groundwater near School or Residence	
☐ Release Detected in Private Well		
☐ Release to Storm Drain		
☐ Sanitary Sewer Release (Imminent Hazard Only)		

List below the Oils or Hazardous Materials that exceed their Reportable Concentration or Reportable Quantity by the greatest amount. If necessary, attach a list of additional Oil and Hazardous Material substances subject to reporting.

Name and Quantities of Oils (O) and Hazardous Materials (HM) Released:

O or HM Released	O (check one)	HM (check one)	CAS # (if known)	Amount or Concentration	Units	Reportable Concentrations Exceeded, if Applicable (RCS-1, RCS-2, RCGW-1, RCGW-2)
#2 Fuel Oil	☑	☐		40	gal	>RQ of 10 gal
	☐	☐				
	☐	☐				

D. ADDITIONAL INVOLVED PARTIES:

☐ Check here if attaching names and addresses of owners of properties affected by the Release or Threat of Release, other than an owner who is submitting this Release Notification (required).

☐ Check here if attaching Licensed Site Professional (LSP) name and address (optional).

You may write in names and addresses on the bottom of the second page of this form.

Massachusetts Department of Environmental Protection **BWSC-103**
Bureau of Waste Site Cleanup

ORIGINAL

RELEASE NOTIFICATION & NOTIFICATION RETRACTION FORM

Pursuant to 310 CMR 40.0335 and 310 CMR 40.0371 (Subpart C)

Release Tracking Number: 3 - 20517 (If assigned by DEP)

E. PERSON REQUIRED TO NOTIFY:

Name of Organization: City of Newburyport, Superintendent of Schools

Name of Contact: Eugene Case Title: Assistant Superintendent

Street: 70 Low Street

City/Town: Newburyport State MA ZIP Code: 01950-0000

Telephone: 978-465-4456 Ext.: FAX: (optional)

F. RELATIONSHIP OF PERSON REQUIRED TO NOTIFY TO RELEASE OR THREAT OF RELEASE: (check one)

☑ RP or PRP Specify ☑ Owner ○ Operator ○ Generator ○ Transporter Other RP or PRP:

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

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

☐ Any Person Otherwise Required to Notify Specify Relationship:

G. CERTIFICATION OF PERSON REQUIRED TO NOTIFY:

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

By: Eugene E. Case (signature) Title: Assistant Superintendent

For City of Newburyport, Sup't of Schools (print name of person or entity recorded in Section E) Date: 5/24/01

Enter address of the person providing certification, if different from address recorded in Section E:

Street:

City/Town: State ZIP Code:

Telephone: Ext. FAX: (optional)

YOU MUST COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

* Note regarding time of notification:
ENPRO, on behalf of the City of Newburyport, attempted to notify the MA DEP of the release, via the State Police, at 8:30 a.m. on 3/26/01. The State Police stated that they had already been notified of the release, and requested that ENPRO call the DEP after 8:45 a.m. At approximately 9 a.m., ENPRO contacted the MA DEP. At that time, it appeared that the release may have been contained within the boiler room, and thus the MA DEP (Mr. Steve Ross) suggested that the notification be held, pending completion of the cleanup and preliminary assessment. At approximately 12:45 p.m., ENPRO discovered that oil had entered a catch basin within the boiler room. At 1:36 p.m., ENPRO spoke with the MA DEP (Mr. Ross) and described site conditions. Mr. Ross accepted the notification at 1:36 p.m.

APPENDIX 4

Massachusetts Department of Environmental Protection — BWSC-105
Bureau of Waste Site Cleanup

ORIGINAL

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number: 3 - 20517

A. RELEASE OR THREAT OF RELEASE LOCATION:

Release Name: (optional)

Street: 40 Milk Street — Location Aid: Brown School

City/Town: Newburyport — ZIP Code: 01950-0000

☐ Check here if a Tier Classification Submittal has been provided to DEP for this Release Tracking Number.

☐ Check here if this location is Adequately Regulated, pursuant to 310 CMR 40.0110-0114.

Specify Program: ☐ CERCLA ☐ HSWA Corrective Action ☐ Solid Waste Management ☐ RCRA State Program (21C Facilities)

Related Release Tracking Numbers That This IRA Addresses:

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

☑ Submit an **IRA Plan** (complete Sections A, B, C, D, E, H, I, J and K).

☐ Check here if this IRA Plan is an update or modification of a previously approved written IRA Plan. Date Submitted:

☐ Submit an **Imminent Hazard Evaluation** (complete Sections A, B, C, F, H, I, J and K).

☐ Submit an **IRA Status Report** (complete Sections A, B, C, E, H, I, J and K).

☐ Submit a **Request to Terminate an Active Remedial System and/or Terminate a Continuing Response Action(s) Taken to Address an Imminent Hazard** (complete Sections A, B, C, D, E, H, I, J and K).

☐ Submit an **IRA Completion Statement** (complete Sections A, B, C, D, E, G, H, I, J and K).

You must attach all supporting documentation required for each use of form indicated, including copies of any Legal Notices and Notices to Public Officials required by 310 CMR 40.1400.

C. RELEASE OR THREAT OF RELEASE CONDITIONS THAT WARRANT IRA:

Identify Media and Receptors Affected: (check all that apply)

☐ Air ☐ Groundwater ☐ Surface Water ☐ Sediments ☑ Soil

☐ Wetland ☐ Storm Drain ☐ Paved Surface ☐ Private Well ☐ Public Water Supply ☐ Zone 2 ☐ Residence

☑ School ☐ Unknown ☐ Other Specify: Release to boiler room/subfloor soil at school

Identify Conditions That Require IRA, Pursuant to 310 CMR 40.0412: (check all that apply)

☑ 2 Hour Reporting Condition(s) ☐ 72 Hour Reporting Condition(s) ☐ Substantial Release Migration ☐ Other Condition(s)

Describe: Release of approximately 40 gal of #2 fuel oil, exceeding RQ of 10 gal

Identify Oils and Hazardous Materials Released: (check all that apply)

☑ Oils ☐ Chlorinated Solvents ☐ Heavy Metals

☐ Others Specify: #2 Fuel Oil

D. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply)

Assessment and/or Monitoring Only

Excavation of Contaminated Soils

☐ Re-use, Recycling or Treatment

○ On Site ○ Off Site Est. Vol.: _____ cubic yards

Describe:

☐ Store ○ On Site ○ Off Site Est. Vol.: _____ cubic yards

☐ Landfill ○ Cover ○ Disposal Est. Vol.: _____ cubic yards

☐ Removal of Drums, Tanks or Containers

Describe:

☑ Deployment of Absorbent or Containment Materials

☐ Temporary Covers or Caps

☐ Bioremediation

☐ Soil Vapor Extraction

☐ Structure Venting System

☐ Product or NAPL Recovery

☐ Groundwater Treatment Systems

☐ Air Sparging

☐ Temporary Water Supplies

SECTION D IS CONTINUED ON THE NEXT PAGE.

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL FORM

ORIGINAL

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number: 3 - 20517

. DESCRIPTION OF RESPONSE ACTIONS (continued):

☑ Removal of Other Contaminated Media

Specify Type and Volume: 4 drums oily sorbents, debris

☐ Temporary Evacuation or Relocation of Residents

☐ Fencing and Sign Posting

☐ Other Response Actions Describe:

☐ Check here if this IRA involves the use of Innovative Technologies (DEP is interested in using this information to aid in creating an Innovative Technologies Clearinghouse).

Describe Technologies:

E. TRANSPORT OF REMEDIATION WASTE: (if Remediation Waste has been sent to an off-site facility, answer the following questions)

Name of Facility: Environmental Compliance Corporation

Town and State: Stoughton, MA

Quantity of Remediation Waste Transported to Date: 4 drums oily sorbents and debris

F. IMMINENT HAZARD EVALUATION SUMMARY: (check one of the following)

☐ Based upon an evaluation, an Imminent Hazard exists in connection with this Release or Threat of Release.

☐ Based upon an evaluation, an Imminent Hazard does not exist in connection with this Release or Threat of Release.

☐ Based upon an evaluation, it is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release, and further assessment activities will be undertaken.

☐ Based upon an evaluation, it is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release. However, response actions will address those conditions that could pose an Imminent Hazard.

G. IRA COMPLETION STATEMENT:

☐ Check here if future response actions addressing this Release or Threat of Release will be conducted as part of the Response Actions planned for a Site that has already been Tier Classified under a different Release Tracking Number, or a Site that is identified on the Transition List as described in 310 CMR 40.0600 (i. e., a Transition Site, which includes Sites with approved Waivers). These additional response actions must occur according to the deadlines applicable to the earlier Release Tracking Number (i. e., Site ID Number).

State Release Tracking Number (i. e., Site ID Number) of Tier Classified Site or Transition Site:

If any Remediation Waste will be stored, treated, managed, recycled or reused at the site following submission of the IRA Completion Statement, you must submit either a Release Abatement Measure (RAM) Plan or a Phase IV Remedy Implementation Plan, along with the appropriate transmittal form, as an attachment to the IRA Completion Statement.

H. LSP OPINION:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and (iii) the provisions of 309 CMR 4.03(5), to the best of my knowledge, information and belief,

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

> *if Section B of this form indicates that an **Imminent Hazard Evaluation** is being submitted*, this Imminent Hazard Evaluation was developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and the assessment activity(ies) undertaken to support this Imminent Hazard Evaluation complies(y) with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000;

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

> *if Section B of this form indicates that an **Immediate Response Action Completion Statement** or a **Request to Terminate an Active Remedial System and/or Terminate a Continuing Response Action(s) Taken to Address an Imminent Hazard** is being submitted*, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal.

SECTION H IS CONTINUED ON THE NEXT PAGE.

Massachusetts Department of Environmental Protection **BWSC-105**
Bureau of Waste Site Cleanup

ORIGINAL

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number: 3 - 20517

. LSP Opinion (continued):

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

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

LSP Name: James D. O'Brien LSP #: 7022 Stamp:

COMMONWEALTH OF MASSACHUSETTS JAMES D. O'BRIEN No. 7022 REGISTERED LICENSED SITE PROFESSIONAL

Telephone: 978-465-1595 Ext.:

FAX: (optional)

Signature: James O'Brien

Date: 1 June 2001

I. PERSON UNDERTAKING IRA:

Name of Organization: City of Newburyport, Superintendent of Schools

Name of Contact: Eugene Case Title: Assistant Superintendent

Street: 70 Low Street

City/Town: Newburyport State: MA ZIP Code: 01950-0000

Telephone: 978-465-4456 Ext.: FAX: (optional)

☐ Check here if there has been a change in the person undertaking the IRA.

J. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON UNDERTAKING IRA: (check one)

☑ RP or PRP Specify: ◉ Owner ○ Operator ○ Generator ○ Transporter Other RP or PRP:

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

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

☐ Any Other Person Undertaking IRA Specify Relationship:

K. CERTIFICATION OF PERSON UNDERTAKING IRA:

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

By: Eugene E. Case (signature) Title: Assistant Superintendent

For City of Newburyport, Sup't of Schools (print name of person or entity recorded in Section I) Date: 5/24/01

Enter address of the person providing certification, if different from address recorded in Section I:

Street:

City/Town: State: ZIP Code:

Telephone: Ext. FAX: (optional)

YOU MUST COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Documentation for

CLASS A-2
RESPONSE ACTION OUTCOME STATEMENT
and
IMMEDIATE RESPONSE ACTION COMPLETION STATEMENT

BROWN SCHOOL
40 MILK STREET
NEWBURYPORT, MASSACHUSETTS

RELEASE TRACKING NUMBER 3-20517

NOVEMBER, 2001

Prepared for:	City of Newburyport Superintendent of Schools 70 Low Street Newburyport, MA 01950
Prepared by:	ENPRO Services 12 Mulliken Way Newburyport, Massachusetts 01950

ENPRO Services, Inc.

12 Mulliken Way, Newburyport, MA 01950
(800) 966-1102 - 24 Hours FAX (978) 465-2050

44 Rigby Road, South Portland, ME 04106
(888) 367-6660 - 24 Hours FAX (207) 773-6693

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APPENDICES

APPENDIX 1: MANAGEMENT OF REMEDIATION WASTE
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1.0 INTRODUCTION AND RELEASE BACKGROUND

ENPRO Services, Inc. (ENPRO) has completed an Immediate Response Action (IRA) to address a sudden release of #2 fuel oil at the Brown School located at 40 Milk Street in Newburyport, Massachusetts (the site). The site location is shown on the Site Locus map attached as Figure 1.

ENPRO has prepared this Response Action Outcome (RAO) report and Immediate Response Action (IRA) Completion Statement on behalf of our client, the City of Newburyport. The City of Newburyport has conducted the IRA as owner of the property. The mailing address and contact person for the site are:

Mr. Eugene Case, Assistant Superintendent
Office of the Superintendent of Schools
City of Newburyport
70 Low Street
Newburyport, MA 01950

The release occurred from a leaking gauge on a furnace in the boiler room of the Brown School. The gauge apparently began to leak during the weekend of March 24, 2001 and the release was noted at approximately 6:50 a.m. on Monday, March 26, 2001. Newburyport School Department personnel estimated that approximately 40 gallons of #2 fuel oil were released via the gauge. Newburyport School Department personnel notified the Newburyport Fire Department of the release. The Newburyport Fire Department attempted to notify the Massachusetts Department of Environmental Protection (MA DEP), Northeast Regional Office of the release, via the State Police, after arriving on-site.

2.0 INITIAL IRA ACTIVITIES – MARCH 2001

The City of Newburyport contracted with ENPRO to conduct response actions, to provide field oversight of the spill cleanup, to provide Licensed Site Professional services, and to prepare appropriate reports and forms for closure of the release site in accordance with the Massachusetts Contingency Plan (MCP). ENPRO personnel arrived on-site at approximately 8:15 a.m. on March 26, 2001 to inspect the spill area and to assess the extent of the release. The oil was noted to have impacted significant portions of the concrete floor of the boiler room (Figure 2). A catch basin was noted in the center of the boiler room, but staining on the concrete floor did not indicate that the oil had approached or entered the catch basin. Some wood and metal debris on the boiler room floor was noted to have been impacted by the oil release. Newburyport School Department personnel had shut down the boiler with the leaking gauge, terminating the release of fuel

oil. Newburyport School Department and Fire Department personnel had applied sorbents to the floor in an attempt to capture ponded fuel oil.

Based on site conditions noted, ENPRO, on behalf of the City of Newburyport, attempted to notify the MA DEP of the release, via the State Police, at 8:30 a.m. The State Police stated that they had already been notified of the release, and requested that ENPRO contact the MA DEP directly after 8:45 a.m. At approximately 9 a.m., ENPRO contacted the MA DEP (Mr. Steve Ross). At that time, it appeared that the release may have been contained within the boiler room, and thus Mr. Ross requested that the notification be held, pending completion of the cleanup and associated preliminary assessment. Mr. Ross issued verbal approval for application of oil-sorbent materials, removal of oil-soaked debris, and containerization of oil-impacted sorbents and debris.

ENPRO then initiated site cleanup. A blower was set up to direct air outside the boiler room to limit the movement of oil vapors into the school. ENPRO personnel removed oil-impacted wood and debris to allow access to oil-impacted areas of the boiler room. The oil-impacted materials were placed into DOT-approved 55-gallon drums for subsequent disposal. ENPRO personnel then applied oil sorbent materials to the concrete floor. The sorbents were worked into the floor, swept up, and placed into DOT-approved 55-gallon drums for subsequent disposal. Oil sorbent pads were used to wipe surfaces adjacent to the leaking gauge that had been sprayed by the oil release. The pads were placed into DOT-approved 55-gallon drums for subsequent disposal.

Upon cleanup of ponded oil and oil-impacted concrete flooring, an ENPRO environmental engineer inspected the impacted area further. Along the eastern wall of the boiler room (Figure 2) an area of oil-stained, distressed concrete was noted. ENPRO personnel removed a small portion (0.5 by 0.5 feet) of the concrete floor by hand, and noted that soils below the floor had been impacted by the release. An apparently abandoned 2-inch diameter pipe was noted below the floor in this area. The pipe appeared to lead towards the catch basin, and thus ENPRO personnel removed the cover of the catch basin to allow inspection of the interior. Fuel oil was noted to have impacted the catch basin.

ENPRO then contacted Mr. Ross of the MA DEP. Based on the impacts to the subsurface soils and catch basin, Mr. Ross accepted the release notification. Mr. Ross assigned Release Tracking Number 3-20517 to the release. Mr. Ross issued verbal approval for an IRA to include recovery of free oil from the catch basin, removal of oil-impacted soils, and subsequent assessment of subsurface conditions. ENPRO personnel then recovered the free oil from the catch basin via 5-gallon buckets. Approximately 20 gallons of oil were recovered and placed into DOT-approved 55-gallon drums for subsequent disposal. ENPRO then utilized a shovel to remove oil-impacted sediments and soils from the bottom of the catch basin. Soil and sediment were removed until there

was no visual evidence, and limited olfactory evidence, of oil impacts to remaining soils. The soil was placed into DOT-approved 55-gallon drums for subsequent disposal.

Soil was then removed from the hole along the east wall of the boiler room (Figure 2) using a shop vacuum. Soil was removed until there was no visual evidence, and limited olfactory evidence, of oil impacts to remaining soil. The soil was placed into DOT-approved 55-gallon drums for subsequent disposal.

A total of four drums of oil and oil-impacted sorbents, debris and soil were generated during initial response actions on March 26, 2001. The materials were subsequently transported, under Uniform Hazardous Waste Manifests MA M 736440 and 736438, to Environmental Compliance Corporation in Stoughton, MA for disposal (see Appendix 1).

3.0 ADDITIONAL IRA ASSESSMENT ACTIVITIES – MAY 2001

To further assess the extent of oil impacts beneath the concrete boiler room floor, ENPRO personnel returned to the site on May 7, 2001. Using an electric hammer drill and concrete corer, ENPRO personnel cored 7 holes through the concrete floor at the locations indicated in Figure 3. Two borings (Boring #1 and Boring #4) could not be completed due to refusal at depths of 0.25 to 0.5 feet. Soil samples were then collected, using a stainless steel auger, at depths ranging from 0.5 to 7.5 feet below the floor. Soil samples were also collected from the catch basin and the hole along the east wall. The soil samples were field screened for headspace volatile organic compounds (VOCs) using an HNU PI-101 photoionization detector. Field screening results, summarized in Table 1, indicated that fuel oil had impacted subfloor soils in two locations. In the area of Boring #2 soils were impacted to a depth of at least 7.5 feet below the level of the boiler room floor. In the area of Boring #5 soils were impacted, from the hole at the east wall to the catch basin, to a depth of at least 1.5 to 5 feet below the level of the boiler room floor. To further quantify and qualify the contamination, ENPRO proposed that soil samples be submitted to an analytical laboratory for analysis for Total Petroleum Hydrocarbons (TPH), Extractable Petroleum Hydrocarbons (EPH), Volatile Petroleum Hydrocarbons (VPH), target polycyclic aromatic hydrocarbons (PAHs) and target VOCs. Five soil samples were thus submitted to Massachusetts certified analytical laboratory AMRO Environmental Laboratories Corporation (AMRO) for analysis.

Analytical results, which are summarized in Table 2 and included in Appendix 2, indicated elevated concentrations of petroleum constituents in soils beneath the oil-impacted areas described above. In the area of Boring #2, concentrations of TPH, the VPH C_9–C_{10} fraction, the EPH C_9–C_{18} fraction and the EPH C_{11}–C_{22} fraction exceeded applicable MCP S-1/GW-2, GW-3 Cleanup Standards at a depth of 0.5 to 1' below the boiler room floor. However, at a depth of 6' in the same location, TPH concentrations

were below applicable standards. In the area of Boring #5, concentrations of TPH exceeded applicable MCP S-1/GW-2, GW-3 Cleanup Standards at a depth of 2' (hole at eastern wall) to 5' (catch basin) below the boiler room floor.

4.0 SOIL AND GROUNDWATER MCP CATEGORIES

Pursuant to 310 CMR 40.0930 of the MCP, soils and groundwater at a release site must be categorized to allow characterization of the risks posed by the site. Soils are classified as S-1, S-2 or S-3 (pursuant to 310 CMR 40.0933) based on the potential for exposure to the soils. Groundwater is classified as GW-1, GW-2 and/or GW-3 based on different exposure scenarios. Soil and groundwater categories are both considered in determining the applicable MCP Method 1 Risk Assessment soil and groundwater Cleanup Standards.

ENPRO conducted a limited review of water resources in the site area using a New England Data Map First Search Report. The First Search Report indicated that there are no protected groundwater resources (potentially productive aquifers, sole source aquifers, Zone 2s, etc.) within 0.25 miles of the site. Based on this information, groundwater at the site is classified as MCP Category **GW-2** and **GW-3**.

The exposure potential for soil at the site is determined based on *Receptor Characteristics*, *Frequency of Use*, *Intensity of Use* and *Accessibility*. *Frequency of Use* is considered "high". Children attend school at the disposal site. *Intensity of Use* is considered "high". A portion of the disposal site is located beneath a playground. *Accessibility* of the soil is considered "potentially accessible" in the area of the playground and "isolated" in the boiler room portion of the site. The soil beneath the playground portion of the disposal site is considered "potentially accessible" because it is located less than 15 feet below grade in an area completely paved. The soil beneath the boiler room is considered "isolated" because it is beneath the footprint of a building/permanent structure. Based on the exposure potential for the site, soil is classified as Soil Category **S-1** beneath the playground area and **S-3** beneath the boiler room.

Although the soil at the site is classified as Soil Category S-1 and S-3, IRAs were conducted to achieve Soil Category S-1 exposure standards within the entire disposal site.

5.0 ADDITIONAL IMMEDIATE RESPONSE ACTIONS - JULY/AUGUST 2001

Laboratory results from the site assessment activities indicated that soils in the areas described above had TPH/EPH/VPH concentrations in excess of applicable MCP S-1/GW-2, GW-3 Cleanup Standards. Therefore, ENPRO, on behalf of the City of

Newburyport, submitted an IRA Plan to the MA DEP proposing excavation of petroleum contaminated soil (PCS) from between the two boilers and near the former catch basin. The IRA Plan was submitted to the MA DEP on June 1, 2001 and a clarifying follow-up letter was sent to the MA DEP on June 21, 2001. Preparatory activities for the IRA were initiated in early July, and soil excavation and restoration were completed in late August, 2001. The response actions conducted in the boiler and catch basin areas are summarized briefly below. A detailed description of the activities completed on each day of site work follows.

5.1 Excavation of Soil From the Area Between the Two Boilers

Soil was initially excavated to a depth of 8 feet beneath the floor level between the boilers. Field screening then indicated that the oil had migrated beneath the western boiler. Thus, additional shoring was installed and supports were placed under the boiler to allow excavation of soil from beneath the boiler. Soil was then excavated to a distance of approximately 4 feet beneath the northeastern half of the western boiler. The limits of excavation are shown in Figure 4. Laboratory and/or field screening results indicated that soil excavation had reduced contaminant levels in samples from the excavation bottom and sidewalls to below MCP standards and/or below laboratory detection limits. This excavation was backfilled with stone, and additional concrete was poured beneath the western boiler footing to provide additional support. The concrete floor in this area was then restored.

5.2 Excavation of Soil From the Area Near the Former Catch Basin

Soil was initially excavated to a depth of 6 to 7 feet beneath the floor level in this area. Additional soil sampling and field screening then indicated that the oil had migrated to a depth of 12 feet below the floor in this area. Soil sampling and field screening also indicated that the oil had migrated east beneath the exterior wall towards the playground and south beneath the iron stairway within the boiler room. Thus, additional shoring was installed to allow excavation of soil to a depth of 12 feet beneath the floor. Soil was then excavated in this area to a depth of 12 feet. Concurrently, additional supports were installed along the exterior wall to allow excavation of soil exterior to the boiler room. Soil was then excavated to a depth of approximately 11 feet beneath the exterior grade (e.g. 4 feet beneath the level of the boiler room floor). The limits of excavation are shown in Figure 4. Laboratory and/or field screening results indicated that soil excavation had reduced contaminant levels in samples from the bottom and sidewalls of these excavations to below DEP standards and/or below laboratory detection limits. These excavations were then backfilled with stone, and concrete was poured beneath the exterior wall to provide additional support. Upon backfilling of the interior excavation, a

small quantity of petroleum-contaminated soil was then excavated from below the iron stairway. This area was then backfilled, and the concrete floor in this area was restored.

5.3 Daily Record of Events

Following is a detailed description of the IRA preparation, excavation and restoration activities completed in July and August, 2001.

July 2, 2001 An ENPRO Environmental Engineer collected a soil sample for waste disposal characterization from the boiler room. The sample was collected from the area of the wall hole and catch basin (Figure 2), as soil was accessible in these areas. The soil sample was submitted to a Massachusetts-certified laboratory (AMRO) for analysis for RCRA 8 metals. Waste disposal characterization results are summarized in Table 4. Analytical reports are included in Appendix 2. The analytical results indicated lead and cadmium concentrations exceeding Method 1 Soil Category S-1 exposure standards. The high concentrations of metals were likely attributable to paint chips and/or plumbing solder (lead pipes were noted in the wall hole area) in the soil sample and not indicative of the concentrations of metals in the soil. An additional confirmatory sample was therefore subsequently collected on July 18, 2001.

July 5, 2001 Under the direction of an ENPRO Environmental Engineer, the concrete in between the boilers and near the former catch basin were cut and removed in preparation for removal of petroleum contaminated soil (PCS). The concrete and debris were staged on-site, on and under 6 millimeter (mil) polyethylene sheeting.

July 18, 2001 An ENPRO Environmental Engineer collected another soil sample for waste disposal characterization from the boiler room. The additional soil sample was necessary to evaluate the presence of lead in the soil detected in the sample collected on July 2, 2001. AMRO analyzed the soil sample for RCRA 8 metals. The confirmatory sample collected on July 18, 2001 indicated the presence of arsenic, total chromium and lead at concentrations below Method 1 Soil Category S-1 standards. Waste disposal characterization results are summarized in Table 4. Analytical reports are included in Appendix 2.

July 23, 2001 PCS were removed from the boiler area under the direction of an ENPRO Environmental Engineer. A vactor was utilized to remove the PCS. Soil samples were collected for field screening of VOCs, via a photoionization detector (PID), and TPH, via a Dexsil PetroFLAG TPH test kit. Field screening results are summarized in Table 3.

July 24, 2001 Excavation of PCS in the boiler area continued under the direction of an ENPRO Environmental Engineer. A vactor was utilized to remove the PCS. Soil samples were collected for field screening of VOCs, via a PID, and TPH, via a Dexsil PetroFLAG TPH test kit. Field screening results are summarized in Table 3. A representative composite soil sample from the north, east and south walls of the excavation was sent to a Massachusetts-certified laboratory (AMRO) for EPH, VPH and target PAH analysis. Analytical results are summarized in Table 4, and a copy of the AMRO analytical report is included in Appendix 2. Analytical results indicated that the VPH C_9-C_{12} and C_9-C_{10} fractions were present at concentrations above laboratory method reporting limits, but well below applicable Method 1 Soil Category S-1 cleanup standards. No other VPH or EPH fractions, or target PAHs, were present at concentrations in excess of laboratory method reporting limits.

A total of 5.32 tons (approximately 4.5 cubic yards) of PCS was transported under a Bill of Lading (BOL), prepared and signed by a Licensed Site Professional (LSP), to ARC, an approved receiving/recycling facility in Eliot, Maine.

July 25, 2001 Excavation of PCS at the site continued. PCS was excavated from the bottom of the boiler room excavation area under the direction of an ENPRO Environmental Engineer. A vactor was utilized to remove the PCS. A soil sample was collected for field screening of VOCs, via a PID and TPH, via a Dexsil PetroFLAG TPH test kit. Field screening results are summarized in Table 3. A representative soil sample from the bottom of the excavation was sent to AMRO for EPH and target PAH analysis. Analytical results are summarized in Table 4, and a copy of the AMRO analytical report is included in Appendix 2. Analytical results indicated that no EPH fractions or target PAHs were present at concentrations in excess of laboratory method reporting limits.

ENPRO personnel also advanced a horizontal boring using a hand auger through the east wall of the catch basin excavation area to assess the lateral extent of contamination beyond the boiler room wall. A soil sample was collected at 1.5 feet and three (3) feet beyond the boiler room wall and field screened for VOCs and TPH. Field screening results are summarized in Table 3. Field screening results indicated oil migrated laterally at least three feet beyond the boiler room wall.

A total of 11.62 tons (approximately 9 cubic yards) of PCS was transported to ARC under a BOL.

July 26 and 27, 2001 Excavation of PCS in the area of the catch basin continued under the direction of an ENPRO Environmental Engineer. A vactor was utilized to remove the

PCS. Soil samples were collected for field screening of VOCs, via a PID and TPH, using a Dexsil PetroFLAG TPH test kit. Field screening results are summarized in Table 3. Representative composite soil samples from the west and south walls and the north wall of the excavation were sent to AMRO for EPH, VPH and target PAH analysis. Analytical results are summarized in Table 4, and a copy of the AMRO analytical report is included in Appendix 2. In the sample from the north wall, analytical results indicated that the VPH C_9-C_{12} and C_9-C_{10} fractions, and the EPH C_9-C_{18} fraction, were present at concentrations above laboratory method reporting limits, but well below applicable MCP cleanup standards. No other VPH or EPH fractions, or target PAHs, were present at concentrations in excess of laboratory method reporting limits in this sample. In the west and south wall composite sample, analytical results indicated that no VPH and EPH fractions, or target PAHs, were present at concentrations in excess of laboratory method reporting limits.

ENPRO personnel advanced another horizontal boring using a hand auger through the east wall of the catch basin excavation area to assess the lateral extent of contamination beyond the boiler room wall. A soil sample was collected at four (4) feet and 4.5 feet beyond the boiler room wall and field screened for VOCs and TPH. Field screening results are summarized in Table 3. Field screening results indicated oil migrated laterally at least 4.5 feet beyond the boiler room wall.

A total of 12.69 tons (approximately 10 cubic yards) of PCS was transported to ARC under a BOL on July 26, 2001. A total of 13.36 tons (approximately 10.5 cubic yards) of PCS was transported to ARC under a BOL on July 27, 2001.

ENPRO personnel also began installation of wood sheathing and shoring in the boiler area to allow safe excavation of PCS beneath and adjacent to the boiler.

July 30, 2001 through August 2, 2001 ENPRO personnel continued installation of wood sheathing and shoring in the boiler and catch basin excavation areas to allow safe excavation of PCS.

August 3, 2001 Upon installation of the shoring, excavation of PCS in the area between the boilers continued under the direction of an ENPRO Environmental Engineer. A vactor was utilized to remove the PCS. Soil samples were collected for field screening of VOCs, via a PID, and TPH, via a Dexsil PetroFLAG TPH test kit. Field screening results are summarized in Table 3. A representative composite soil sample from the west wall of the excavation was sent to AMRO for EPH, VPH and target PAH analysis. Analytical results are summarized in Table 4, and a copy of the AMRO analytical report is included in Appendix 2. Analytical results indicated that the VPH C_9-C_{12} and C_9-C_{10}

fractions were present at concentrations above laboratory method reporting limits, but well below applicable MCP cleanup standards. No other VPH or EPH fractions, or target PAHs, were present at concentrations in excess of laboratory method reporting limits.

A total of 5.44 tons (approximately 4.5 cubic yards) of PCS was transported to ARC under a BOL.

August 6, 2001 PCS exterior to the boiler room was excavated, via a backhoe, under the direction of an ENPRO Environmental Engineer. Soil samples were collected and field screened for VOCs and TPH. Field screening results are summarized in Table 3. Representative composite soil samples from the sidewalls and bottom of the excavation were sent to AMRO for EPH and target PAH analysis. Analytical results are summarized in Table 4, and a copy of the AMRO analytical report is included in Appendix 2. In both samples, analytical results indicated that no EPH fractions or target PAHs were present at concentrations in excess of laboratory method reporting limits.

A total of 6.04 tons (approximately 5 cubic yards) of PCS was transported to ARC under a BOL. The concrete, asphalt and debris were transported off-site to an approved receiving/recycling facility.

August 7 and 8, 2001 Excavation of PCS at the site continued. PCS was excavated from the catch basin area under the direction of an ENPRO Environmental Engineer. A vactor was utilized to remove the PCS. Soil samples were collected and field screened for VOCs and TPH. Field screening results are summarized in Table 3. A total of 14.41 tons (approximately 11.5 cubic yards) of PCS was transported to ARC under a BOL. A total of 8.62 tons (approximately 7 cubic yards) were transported off-site on August 7, 2001. A total of 5.79 tons (approximately 4.5 cubic yards) of PCS was transported off-site on August 8, 2001.

August 9, 2001 ENPRO personnel continued installation of wood sheathing and shoring in the catch basin area to allow continued excavation to a depth of 12 feet below the boiler room floor.

August 10, 2001 Excavation of PCS at the site continued. PCS was excavated from the catch basin area under the direction of an ENPRO Environmental Engineer. A vactor was utilized to remove the PCS. Soil samples were collected and field screened for VOCs and TPH. Field screening results are summarized in Table 3. Representative composite soil samples from the western and eastern sides of the bottom of the

excavation were sent to AMRO for EPH, VPH and target PAH analysis. Analytical results are summarized in Table 4, and a copy of the AMRO analytical report is included in Appendix 2. For the sample from the eastern side of the excavation bottom, analytical results indicated that the VPH C_9-C_{12} fractions were present at concentrations above laboratory method reporting limits, but well below applicable MCP cleanup standards. No other VPH or EPH fractions, or target PAHs, were present at concentrations in excess of laboratory method reporting limits in this sample. For the sample from the western side of the excavation bottom, analytical results indicated that no VPH or EPH fractions, or target PAHs, were present at concentrations in excess of laboratory method reporting limits.

A total of 12.03 tons (approximately 9.5 cubic yards) of PCS was transported to ARC under a BOL.

August 13, 2001 ENPRO personnel completed excavation of residual contamination beneath the stairs abutting the catch basin excavation area. PCS was removed using a vactor. Confirmatory soil samples were field screened for VOCs and TPH. Field screening results are summarized in Table 3. A representative composite soil sample from the sidewalls and bottom of the excavation was sent to AMRO for EPH and target PAH analysis. Analytical results are summarized in Table 4, and a copy of the AMRO analytical report is included in Appendix 2. Analytical results indicated that no EPH fractions or target PAHs were present at concentrations in excess of laboratory method reporting limits.

ENPRO personnel, with the approval of the City of Newburyport plumber, replaced the former drain line with PVC pipe. ENPRO also initiated backfilling of the excavation areas with imported clean fill.

August 14-20, 2001 ENPRO personnel continued restoration of the site. Restoration activities included continued backfilling and compaction of the excavation areas, forming and pouring concrete footings and floor, transportation and off-site disposal of spent vactor hose and remaining PCS. A total of 3.40 tons (approximately 2.5 cubic yards) of PCS were transported to ARC under a BOL on August 14, 2001.

6.0 REMEDIATION WASTE DISPOSAL/RECYCLING

During the course of remediation efforts on the Brown School located at 40 Milk Street in Newburyport, Massachusetts, 83.95 tons (approximately 67 cubic yards) of petroleum contaminated soil and four, 55-gallon drums of oil and oil-impacted sorbents, debris and soil were transported off-site for recycling or disposal. Petroleum contaminated soil was

transported under a Bill of Lading, prepared by a Licensed Site Professional, to ARC in Eliot, Maine for recycling. Oil and oil-contaminated sorbents, debris and soil placed in 55-gallon drums were transported off-site under a Uniform Hazardous Waste Manifest for disposal at Environmental Compliance Corporation in Stoughton, Massachusetts. Documentation on the management of remediation waste is summarized in Table 5. Copies of the Manifests and BOLs are included in Appendix 1.

7.0 RESPONSE ACTION OUTCOME

In March 2001, #2 fuel oil was released in the boiler room of the Brown School in Newburyport, MA via a leaking gauge on a furnace. The gauge apparently began to leak during the weekend of March 24, and the release was noted at approximately 6:50 a.m. on Monday, March 26, 2001. Newburyport School Department personnel estimated that approximately 40 gallons of #2 fuel oil were released via the gauge. In response to the release, ENPRO has completed an Immediate Response Action (IRA), including recovery of oil, removal and disposal of oil-impacted debris, subsurface assessment and soil excavation to address the release. Analytical results for confirmatory soil samples, summarized in Table 4, indicate that the IRA activities have effectively remediated soils on site to below applicable Method 1 Soil Category S-1 cleanup standards. No further actions are required by the Massachusetts Contingency Plan in the impacted areas of the site in response to the oil release. Subsequent to the assessment and cleanup activities performed to date, a condition of No Significant Risk of harm to health, safety, public welfare, and the environment is presented by the soil petroleum hydrocarbon contamination remaining in the portions of the site impacted by the oil release. Groundwater was not encountered during the removal of PCS. ENPRO is of the opinion that groundwater was not impacted by the release.

Based on the results of the laboratory analysis and the extent of response actions completed, a Class A-2 Response Action Outcome has been achieved at the site. The Class A-2 Response Action Outcome indicates:

- Contamination levels in the areas of the site impacted by the oil release have been reduced to a condition of no significant risk of harm to health, public welfare, safety, and the environment;
- A permanent solution has been achieved in the areas of the site impacted by the oil release;
- The level of oil in the site release area has not been reduced to background concentrations; and ,
- No Activity and Use Limitations are required to maintain a condition of No Significant Risk.

8.0 FEASIBILITY OF ACHIEVING BACKGROUND

Feasibility of achieving background at this site was evaluated in accordance with 310 CMR 40.0860. Based on 310 CMR 40.0860 (5)(b) and (7), it is not considered feasible to reduce concentrations of oil and hazardous material in the soil to levels that achieve background. Background concentrations of petroleum hydrocarbon contamination in soil at the site are assumed to be below minimum laboratory detection limits. The most stringent exposure standards, Method 1 Soil Category S-1, were met in the release area of the site. Achieving background concentrations of contaminants at the site is technically feasible. However, estimated costs to excavate contaminated soil from Method 1 Soil Catgegory S-1 standards to below laboratory method detection limits, dispose of remediation waste, and restore the site exceed $50,000. The incremental cost of achieving background, given that a condition of No Significant Risk has already been achieved, does not justify the minimal additional benefits gained.

9.0 CRITICAL EXPOSURE PATHWAYS

EPH and VPH fractional concentrations were detected in confirmatory soil samples at a depth of 1 to 8 feet below the boiler room floor. While the EPH and VPH concentrations were well below the most stringent Method 1 Soil Category S-1 standards, background concentrations, assumed to be below minimum laboratory detection limits, were not achieved in the release area of the site.

Based on the site conditions noted above, the Critical Exposure Pathway of concern at the subject site would be routes by which petroleum hydrocarbon constituents are, or are likely to be, transported to human receptors via vapor-phase emissions of measurable concentrations of oil into an occupied facility or dwelling. Specifically, the Critical Exposure Pathway could involve volatilization of petroleum hydrocarbons from soil beneath the school into the boiler room. As such, ENPRO took the following actions as part of the IRA:

- Compacted the backfill material to reduce the potential for vapor-emissions;
- Placed a double layer of 6-mil polyethylene sheeting over the entire excavated/backfilled area. The sheeting was extended beneath and beyond the foundation of the boiler room in several locations such that, should any subsurface vapor emissions occur, the emissions would be directed outside of the boiler room;
- Replaced the concrete floor over the entire excavated/backfilled area. The floor will protect the polyethylene vapor barrier and should also serve to eliminate vapor movement into the dwelling.

It is ENPRO's opinion that performance of these actions as part of the IRA has prevented, eliminated and/or mitigated this pertinent Critical Exposure Pathway, pursuant to 310 CMR 40. 0414.

10.0 LIMITATIONS

This Response Action Report was prepared for the exclusive use of the City of Newburyport to document a Response Action Outcome in response to a release of more approximately 40 gallons of #2 fuel oil from a gauge fitting in the boiler room of the Brown School at 40 Milk Street in Newburyport, Massachusetts. The conclusions stated were based on observations by ENPRO personnel, laboratory analysis of soil and groundwater samples collected from the release area, and professional judgment. The observations made and results presented in this report are believed to be representative of current site conditions at the time of ENPRO's assessment. No other warranty is expressed, written, or implied. Reproduction of this report or its contents is prohibited without written approval from the City of Newburyport and ENPRO Services, Inc. ENPRO is not responsible for independent conclusions, opinions, or recommendations made by others based on the information contained herein.

TABLES

Table 1: Site Assessment Field Screening Results
Brown School
May 7, 2001

Sample Location	Depth (ft)	Headspace VOC Concentration, via Hnu (ppm)
Catch Basin	3.25	3.5
Catch Basin	4	24
Catch Basin	5	40
Catch Basin	6	25
Hole at Wall	2	42
Hole at Wall	3	35
Boring #1	0.5-1	9.5
Boring #2	0-0.5	60
Boring #2	1-1.5	60
Boring #2	3.5-4	52
Boring #3	0.51.5	<1
Boring #2	5	22
Boring #2	6	20
Boring #2	7.5	20
Boring #4	Refusal	No Sample
Boring #5	0.5-1	47
Boring #6	0-1	2
Boring #6	2	<1
Boring #7	1	0
Boring #7	2	0
Boring #8	1	0
Boring #8	2	0
Boring #9	1	0
Boring #9	2	0

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Table 2: Subsurface Assessment Soil Analytical Results
Brown School
Newburyport, MA

Analyte	Concentration (mg/Kg)					Method 1 Cleanup Standards S-1 GW-2/GW-3
	Hole at Wall (2')	Boring #2 (0"-6")	Boring #2 (6')	Boring #5 (6"-12")	Catch Basin (5')	
	5/7/01					
Petroleum Hydrocarbons						
TPH by GC/FID						
Diesel Fuel/Fuel Oil #2	**19000**	**11000**	550	**9200**	**46000**	**800**
Volatile Petroleum Hydrocarbons						
C_5-C_8 Aliphatic Hydrocarbons		46				**100**
C_9-C_{12} Aliphatic Hydrocarbons		120				**1000**
C_9-C_{10} Aromatic Hydrocarbons		**880**				**100**
Target Volatile Organic Compounds						
Methyl tert-butyl ether		ND(0.45)				**100**
Benzene		ND(0.45)				**40**
Toluene		0.62				**500**
Ethylbenzene		2.6				**500**
m,p-Xylene		9.3				**500**
o-Xylene		5.7				**500**
Naphthalene		23				**100**
Extractable Petroleum Hydrocarbons						
C_9-C_{18} Aliphatic Hydrocarbons		**3500**				**1000**
C_{19}-C_{36} Aliphatic Hydrocarbons		1100				**2500**
C_{11}-C_{22} Aromatic Hydrocarbons		**1900**				**800**
Target Polycyclic Aromatic Hydrocarbons						
Naphthalene		23				**100**
2-Methylnaphthalene		71				**500**
Acenaphthene		5.5				**1000**
Phenanthrene		10				**1000/100**

Notes

TPH = Total Petroleum Hydrocarbons

TPH analyzed by GC/FID, EPA Method Modified 8015B

Table 3: Confirmatory Sampling Field Screening Results

Brown School
40 Milk St., Newburyport, MA

Sample ID	Depth Below Boiler Rm Flr (ft)	Location	PID Reading (PPMV)	TPH PetroFlag (ppm)	Notes
EXCAVATION AREA BETWEEN BOILERS					
07/23/01					
1	0.5-5	Boiler - East	12	2051	Excavated further to east
2	0.5-5	Boiler - South	14	-	Excavated further to south
3	0.5-5	Boiler - North	32	4000	Excavated further to north
4	0.5-5	Boiler - West	32		Excavated further to west
5	0.5-5	Boiler - East	3	14	Collected subsample for E,S,N composite
6	0.5-5	Boiler - South	<1	30	
7	0.5-5	Boiler - North	12	83	
8	0.5-5	Boiler - West	28	-	Excavated further to west
9	0.5-5	Boiler - West-18"into Wall	15	1188	Collected via auger to asses lateral extent
07/24/01					
1	0.5-5	Boiler - West	-	>4000	Excavated further to west
2	5	Boiler - Bottom	-	>4000	Excavated deeper
3	0.5-5	Boiler - Southwest	-	>4000	Excavated further to west
4	0.5-5	Boiler - Northwest	-	>4000	Excavated further to west
5	6	Boiler - Bottom	-	1873	Excavated deeper
6	7	Boiler - Bottom	-	641	Excavated deeper
07/25/01					
1	8	Bottom	-	58	Collected sample for analysis
08/03/01					
1	1-8	Boiler - West Wall	-	1916	Excavated further to west
2	1-8	Boiler - West Wall	-	3408	Excavated further to west
3	1-8	Boiler - West Wall	-	188	Collected sample for analysis
EXCAVATION AREA EXTERIOR TO BOILER ROOM					
08/06/01					
1	4	Bottom-South	5	0	Collected subsample for bottom comp.
2	4	Bottom-North	11		
3	0-4	Wall-South	30	-	Excavated further south
4	0-4	Wall-North	0	-	Collected subsample for wall comp.
5	0-4	Wall-East	2.5	-	
6	0-4	Wall-South 2	1.5	-	
7	0-4	Sidewall Composite	-	0	Collected sample for analysis

ENPRO

Table 3: Confirmatory Sampling Field Screening Results

Brown School
40 Milk St., Newburyport, MA

Sample ID	Depth Below Boiler Rm Flr (ft)	Location	PID Reading (PPMV)	TPH PetroFlag (ppm)	Notes
CATCH BASIN EXCAVATION AREA					
07/25/01					
1	2.5	Under East Wall - 1.5' East	-	>4000	Collected via auger to asses lateral extent of exterior contamination
2	2.5	Under East Wall - 3' East	-	>4000	
07/26/01					
1	0-6	North Wall	80	>4000	Excavated further north
2	0-6	South Wall	80	-	Excavated further south
3	2.5	Under East Wall - 4' East	75	1376	Collected via auger to asses lateral extent of exterior contamination
4	3	West Wall	110	-	Excavated further west
5	3	West Wall 2	85	>4000	Excavated further west
6	3	West Wall 3	65	-	Excavated further west
7	2.5	Under East Wall - 4.5' East	110	1306	Collected via auger to asses lateral extent of exterior contamination
9	0-6	North Wall 2	85	-	Excavated further north
10	0-6	South Wall 2	100	-	Excavated further south
07/27/01					
1	1-6	West Wall	5	0	Collected subsample for W, S composite
2	1-6	North Wall	100	-	Excavated further north
3	1-6	South Wall	100	-	Excavated further south
4	10	Bottom	140	-	Collected via auger to assess vert. extent
5	11	Bottom	45	100	Collected via auger to assess vert. extent
6	12.5	Bottom	60	-	Collected via auger to assess vert. extent
7	1-6	North Wall 2	65	2592	Excavated further north
8	1-6	North Wall 3	50	1074	Excavated further north
9	1-6	South Wall (5/6)	25	40	Collected subsample for W,S composite
10	1-6	South Wall (1/6)	125	>4000	Subsequently excavated on 8/13
11	1-6	North Wall 4	40	488	Collected sample for analysis
08/07/01					
1	10.5	Bottom - Northeast	170	>4000	Excavated deeper
2	11.5	Bottom - Northeast	70	326	Excavated deeper
08/08/01					
1	12	Bottom - Northeast	15	40	Coll. subsample for East Bottom comp.
2	11	Bottom - Northwest	200	-	Excavated deeper
08/10/01					
1	12	Bottom - Southeast	20	86	Coll. subsample for East Bottom comp.
2	12	Bottom - Southwest	5	50	Coll. subsample for West Bottom comp.
3	11.5	Bottom - Northwest 1	110	-	Excavated deeper
4	12	Bottom - Northwest 2	30	-	Excavated deeper
5	12.5	Bottom - Northwest 3	5	46	Coll. subsample for West Bottom comp.
08/13/01					
1	1	Beneath Stairs	150	-	Excavated add'l soil
2	2	Beneath Stairs	150	-	Excavated add'l soil
3	3	Beneath Stairs	150	>4000	Excavated add'l soil
4	3.5	Beneath Stairs	15	126	Collected sample for analysis

Table 4: Soil Analytical Results - Post Excavation
Brown School
Newburyport, MA

Analyte	Concentration (mg/kg)													Method 1 Cleanup Standards S-1 GW-2/GW-3
	Boiler			Exterior		Catch Basin Excavation Area					Disposal Comp		Composite Waste	
						Catch Basin		Wall Hole Bottom[1]		Beneath Stairs				
	Walls - N,S,E (1'-8')	Bottom (8')	West Wall	Bottom	Side wall	W,S Wall	N Wall	East	West					
	07/24/01	07/25/01	08/03/01	08/06/01		07/27/01		08/10/01		08/13/01	07/02/01		07/18/01	
Petroleum Hydrocarbons														
TPH by GC/FID								ND (52)	ND (52)					**800**
Volatile Petroleum Hydrocarbons														
C_5-C_8 Aliphatics	ND (2.5)		ND (3.5)			ND (2.7)	ND (3.3)	ND (2.4)	ND (2.6)					**100**
C_9-C_{12} Aliphatics	2.1		2.9			ND (0.69)	2.0	0.6	ND (0.65)					**1,000**
C_9-C_{10} Aromatics	0.94		4.4			ND (0.69)	5.5	ND (0.59)	ND (0.65)					**100**
Extractable Petroleum Hydrocarbons														
C_9-C_{18} Aliphatics	ND (52)	ND (57)	ND (52)	ND (51)	ND (53)	ND (51)	84.0	ND (52)	ND (51)	ND (50)				**1,000**
C_{19}-C_{36} Aliphatics	ND (52)	ND (57)	ND (52)	ND (51)	ND (53)	ND (51)	ND (51)	ND (52)	ND (51)	ND (50)				**2,500**
C_{11}-C_{22} Aromatics	ND (52)	ND (57)	ND (52)	ND (51)	ND (53)	ND (51)	ND (51)	ND (52)	ND (51)	ND (50)				**800**
Target Polynuclear Aromatic Hydrocarbons														
Naphthalene	ND (0.26)	ND (0.29)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.25)	ND (0.25)				**100**
2-Methylnaphthalene	ND (0.26)	ND (0.29)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.25)	ND (0.25)				**500**
Acenaphthene	ND (0.26)	ND (0.29)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.25)	ND (0.25)				**1,000**
Phenanthrene	ND (0.26)	ND (0.29)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.25)	ND (0.25)				**1000/100**
Metals														
Arsenic											17	ND (1)	15	**30**
Barium											520	ND (2)	ND (25)	**1,000**
Cadmium											**43**	ND (0.1)	ND (0.62)	**30**
Chromium											48	ND (0.1)	35	**1,000**
Lead											**7600**	ND (1)	4.9	**300**
Selenium											ND (11.00)	ND (0.58)	ND (10)	**400**
Silver											ND (1.9)	ND (0.1)	ND (1.7)	**100**
Mercury											ND (0.023)	ND (0.001)	ND (0.024)	**20**

Notes:

1 - prep hold time for samples exceeded by three days

ND(#) - below method detection limit (method detection limit)

Bold values exceed S-1 Standards

N - north

S - South

E - East

W - west

12 Mulliken Way, Newburyport, MA 01950
(800) 966-1102 - 24 Hours FAX (978) 465-2050

ENPRO Services, Inc.

44 Rigby Road, South Portland, ME 04106
(888) 367-6660 - 24 Hours FAX (207) 773-6693

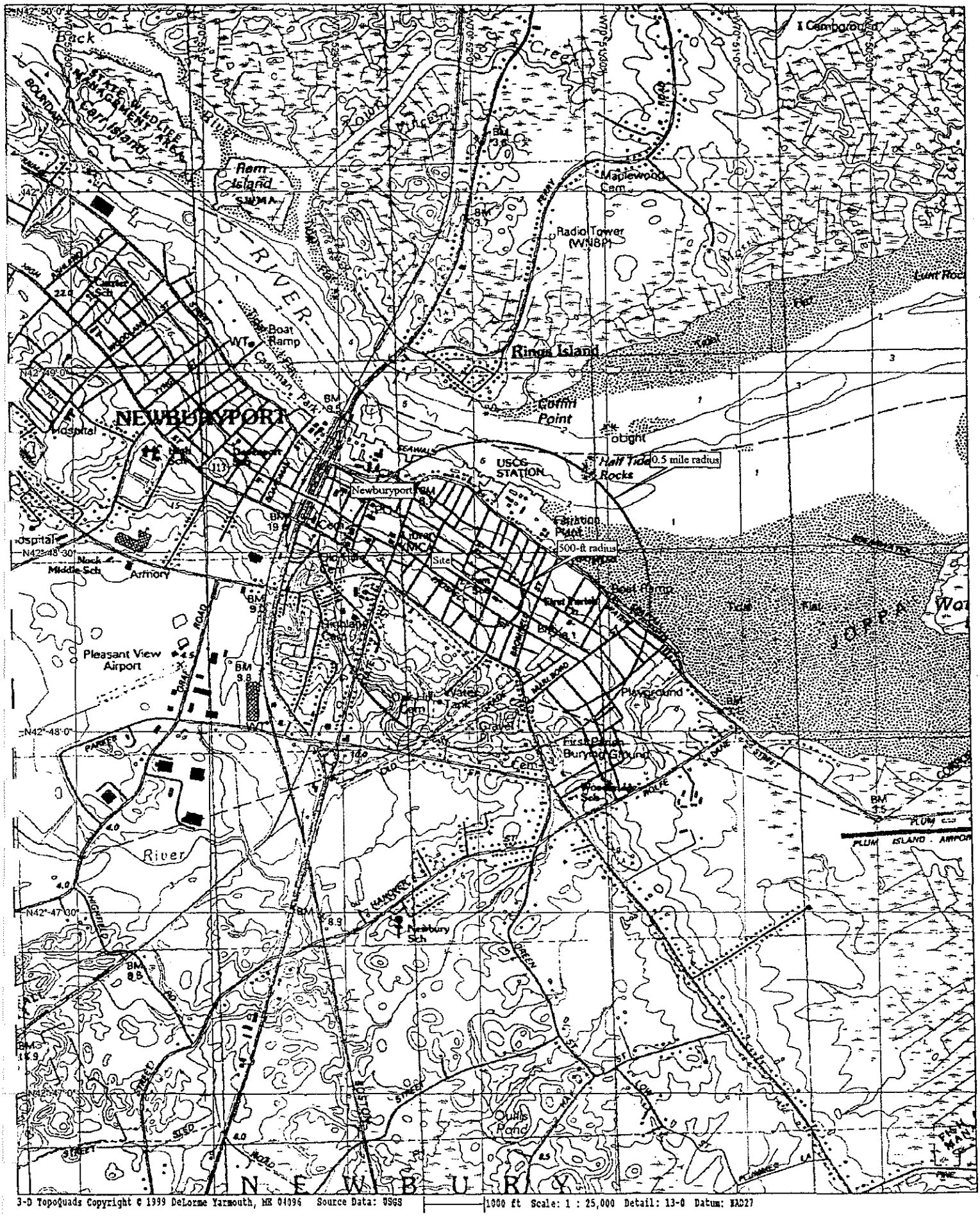
Table 5: Management of Remediation Waste Summary

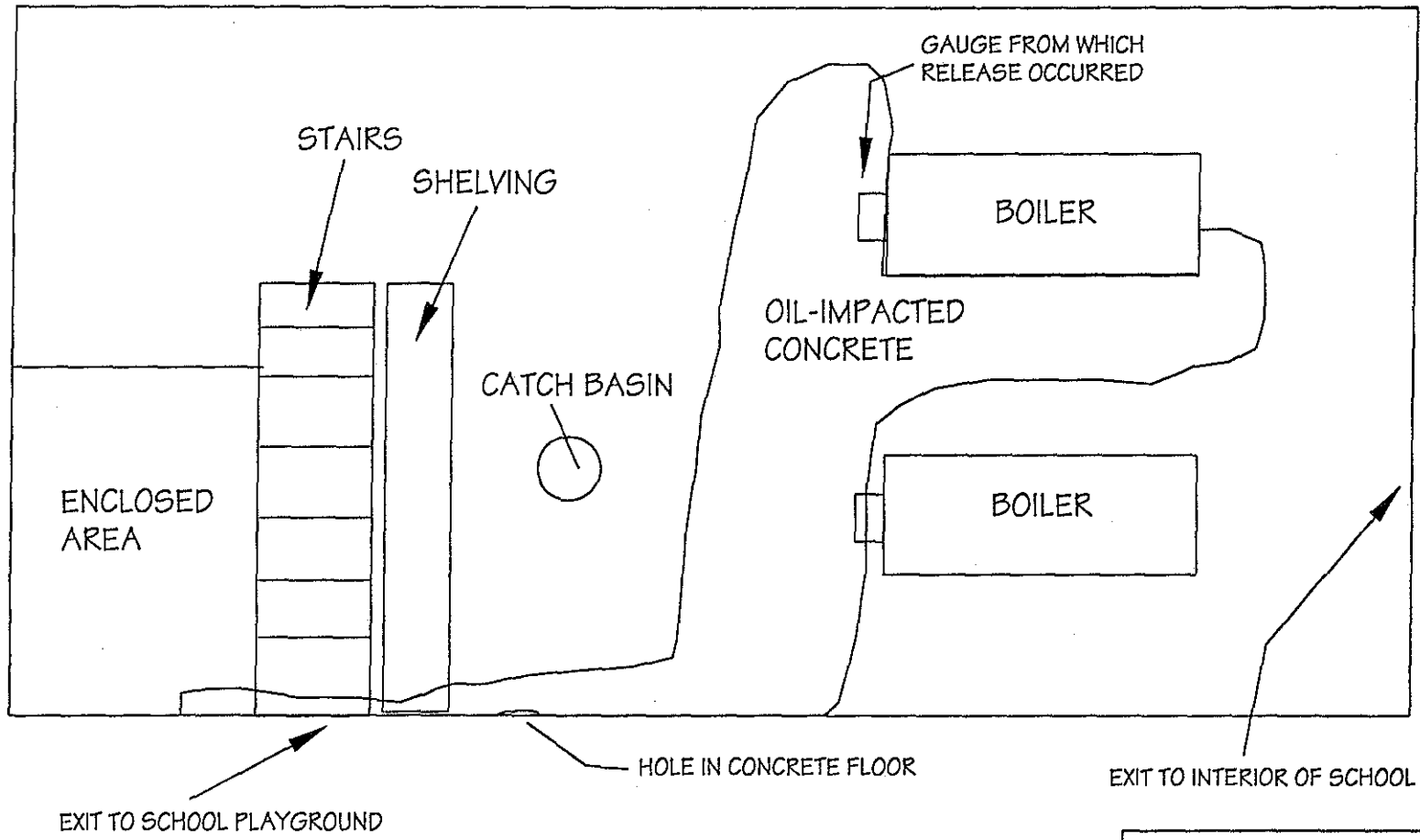
Date	Waste Type	Volume	Disposal/Recycling facility	Manifest #/BOL
March 26, 2001	Oil and Oil-impacted sorbents, debris & soil	4-55 gal drums	ECC Stoughton, MA	MA M 736440 and 736438
July 24, 2001	PCS	5.32 tons	ARC, Eliot, ME	BOL
July 25, 2001	PCS	11.26 tons	ARC, Eliot, ME	BOL
July 26, 2001	PCS	12.69 tons	ARC, Eliot, ME	BOL
July 27, 2001	PCS	13.36 tons	ARC, Eliot, ME	BOL
August 3, 2001	PCS	5.44 tons	ARC, Eliot, ME	BOL
August 6, 2001	PCS	6.04 tons	ARC, Eliot, ME	BOL
August 7, 2001	PCS	8.62 tons	ARC, Eliot, ME	BOL
August 8, 2001	PCS	5.79 tons	ARC, Eliot, ME	BOL
August 10, 2001	PCS	12.03 tons	ARC, Eliot, ME	BOL
August 14, 2001	PCS	3.40 tons	ARC, Eliot, ME	BOL
Total Remediation Waste Transported Under Uniform Hazardous Waste Manifest				**4-55 gal drums**
Total Remediation Waste Transported Under a BOL				**83.95 tons**

Notes:
BOL = Bill of Lading
ECC = Environmental Compliance Corporation

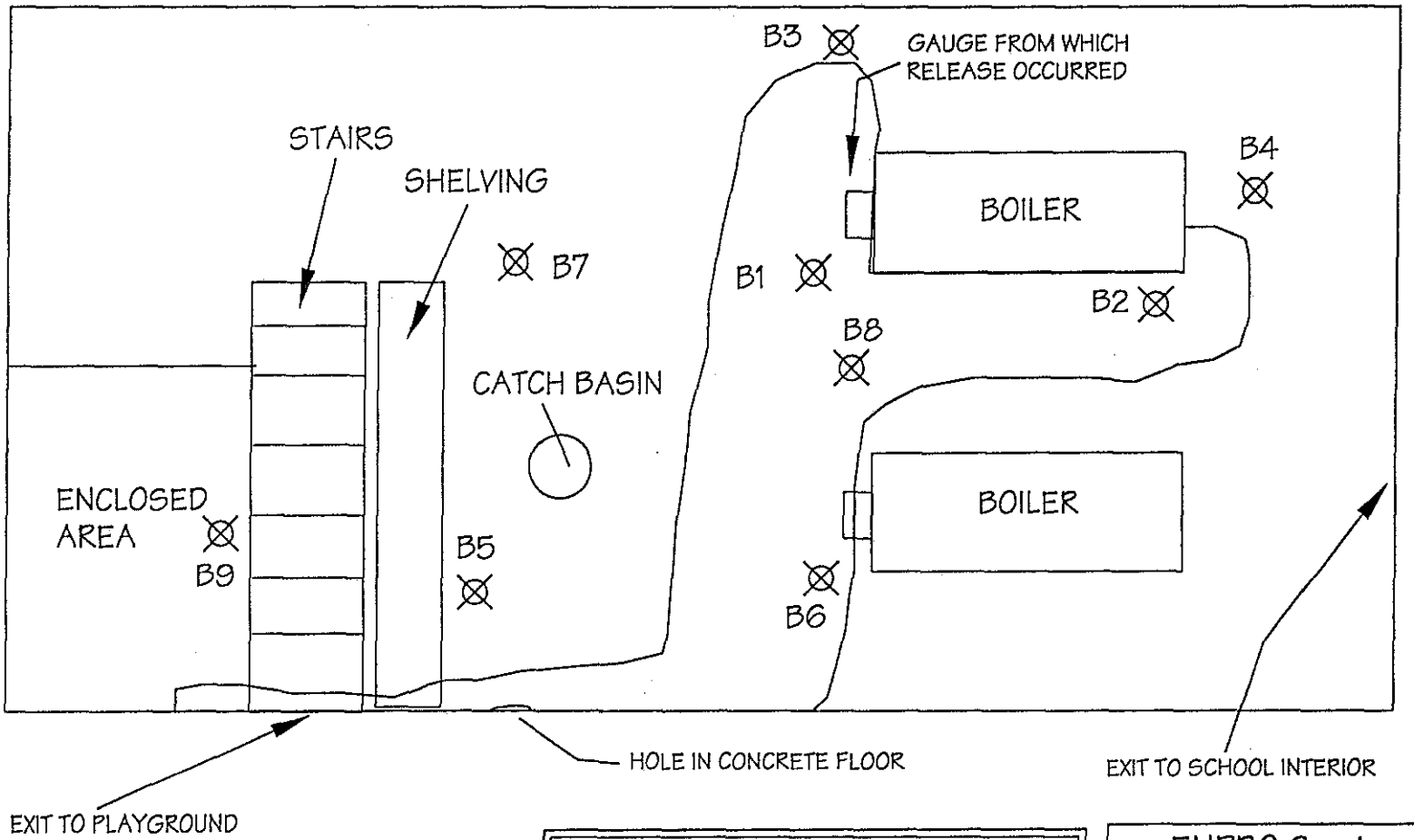
FIGURES

FIGURE 1: SITE LOCUS





ENPRO Services, Inc.	
Brown School Boiler Room 40 Milk Street Newburyport, MA	
Figure 2 - Site Sketch	
Scale: 1 inch = 5 feet	Date: May 22, 2001
N:\gab\brwnschl2.dwg	Drawn By: GAB



SOIL SAMPLE ANAYSIS DATA SUMMARY

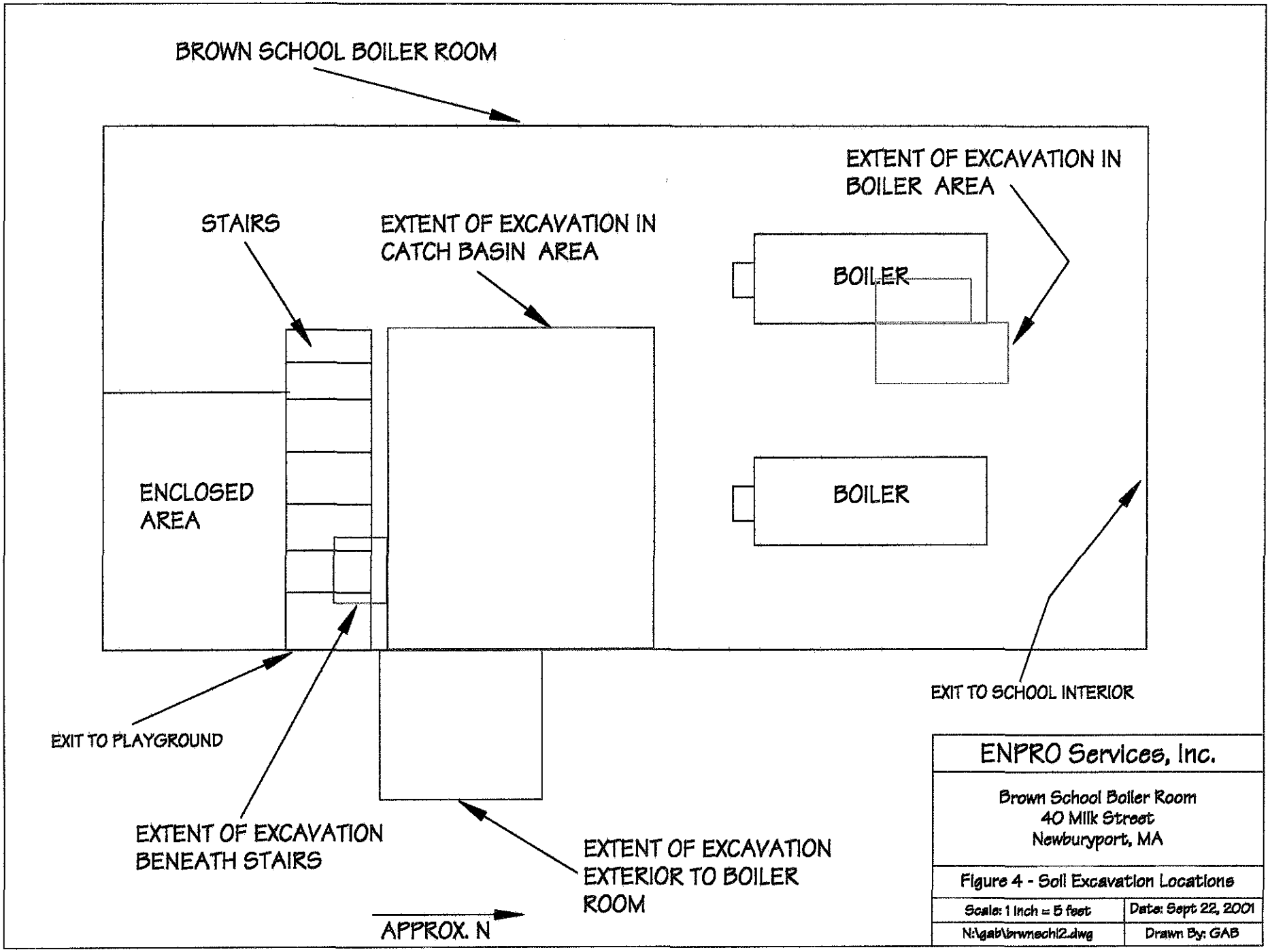
Boring	Depth	TPH Concentration
Wall Hole	2'	19,000 ppm
B2	0-0.5'	11,000 ppm
B2	6'	550 ppm
Manhole	5'	46,000 ppm
B5	0-0.5'	9200 ppm

ENPRO Services, Inc.

Brown School Boiler Room
40 Milk Street
Newburyport, MA

Figure 3 - Soil Sample Locations

Scale: 1 inch = 5 feet	Date: May 22, 2001
N:\gab\brwnschl2.dwg	Drawn By: GAB


BROWN SCHOOL BOILER ROOM
EXTENT OF EXCAVATION IN BOILER AREA
STAIRS
EXTENT OF EXCAVATION IN CATCH BASIN AREA
BOILER
ENCLOSED AREA
BOILER
EXIT TO SCHOOL INTERIOR
EXIT TO PLAYGROUND
EXTENT OF EXCAVATION BENEATH STAIRS
EXTENT OF EXCAVATION EXTERIOR TO BOILER ROOM
APPROX. N
ENPRO Services, Inc.
Brown School Boiler Room
40 Milk Street
Newburyport, MA
Figure 4 - Soil Excavation Locations
Scale: 1 inch = 5 feet
Date: Sept 22, 2001
N:\gab\brwnschl2.dwg
Drawn By: GAB

APPENDIX 1

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIALS
One Winter Street Boston, Massachusetts 02108

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
MP9784654456	36440		

GENERATOR

3. Generator's Name and Mailing Address
CITY OF NEWBURYPORT
SUPERINTENDENT OF SCHOOLS 70 LOW STREET
NEWBURYPORT, MA 01950
4. Generator's Phone (978) 465-4456

A. State Manifest Document Number: MA M-736440
B. State Gen. ID: 40 MILK STREET NEWBURYPORT, MA 01950

5. Transporter 1 Company Name: ENPRO SERVICES, INC.
6. US EPA ID Number: MAD980670004
C. State Trans. ID: MA-G96-170
7. Transporter 2 Company Name:
8. US EPA ID Number:
D. Transporter's Phone: (978)465-1595
E. State Trans. ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
ENVIRONMENTAL COMPLIANCE CORP.
441 R CANTON STREET
STOUGHTON, MA 02072
10. US EPA ID Number: MAD062179890
G. State Facility's ID: NOT REQUIRED
H. Facility's Phone: (781)297-3530

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	L WASTE NO.
a. STATE REGULATED OIL WASTE	001	DM	00300	P	MA01
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code.)
a. #2 FUEL OIL CONT. DEBRIS
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. T34
c.
b.
d.

15. Special Handling Instructions and Additional Information
EMERGENCY CONTACT: ENPRO SERVICES, INC. -24 HOURS- (800)-966-1102 ER GUIDEBOOK NO.:
ENPRO JOB #4405-01

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: MICHAEL J. JACOBSON
Signature: Michael J Jacobson
Date: Month 08 Day 16 Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Larry Bouchard
Signature: Larry Bl
Date: Month 08 Day 16 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19
Printed/Typed Name: Andrew Moore
Signature: Andrew Moore
Date: Month 08 Day 17 Year 11

In case of emergency or spill, immediately call the National Response Center (800) 424-8802

Form Approved OMB No. 2050-0039. Expires 9-30-99
EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 5: TRANSPORTER 1 RETAINS

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIALS
One Winter Street Boston, Massachusetts 02108

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. MP9784654456	Manifest Document No. 36438	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
CITY OF NEWBURYPORT
SUPERINTENDENT OF SCHOOLS 70 LOW STREET
NEWBURYPORT, MA 01950
4. Generator's Phone (978) 465-4456

A. State Manifest Document Number: MA M 736438
B. State Gen. ID: 40 MILK STREET NEWBURYPORT, MA 01950

5. Transporter 1 Company Name: ENPRO SERVICES, INC.
6. US EPA ID Number: MAD980670006
C. State Trans. ID: MA G96 170
7. Transporter 2 Company Name:
8. US EPA ID Number:
D. Transporter's Phone: (978)465-1595
E. State Trans. ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
ENVIRONMENTAL COMPLIANCE CORP.
441 R CANTON STREET
STOUGHTON, MA 02072
10. US EPA ID Number: MAD062179890
G. State Facility's ID: NOT REQUIRED
H. Facility's Phone: (781)297-3530

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	WASTE NO.
a. STATE REGULATED OIL WASTE	003	DM	00900	P	MA01
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code.)
a. #2 FUEL OIL CONT. DEBRIS
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. T34
c.
b.
d.

15. Special Handling Instructions and Additional Information
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ENPRO JOB #4405-01

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If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR	Printed/Typed Name	Signature	Date (Month Day Year)
	Eugene E. Cote	Eugene E. Cote	03 26 01

TRANSPORTER			
17. Transporter 1 Acknowledgement of Receipt of Materials	Printed/Typed Name: Larry Bouchard	Signature	Date: 03 26 01
18. Transporter 2 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Date

FACILITY			
19. Discrepancy Indication Space			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19	Printed/Typed Name: Andrew Moore	Signature	Date: 03 27 01

Form Approved OMB No. 2050-0039. Expires 9-30-99
EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY>5: TRANSPORTER 1 RETAINS

MA M 736438 COPY>5: TRANSPORTER 1 RETAINS

GENERATOR

Local regulations may require additional copies. Send the National Response Center (800) 424-8802 immediately all spills and releases.

Massachusetts Department of Environmental Protection ORIGINAL **BWSC-012A**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 3 - 20517

A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:

Release Name (optional): Brown School

Street: 40 Milk Street Location Aid:

City/Town: Newburyport ZIP Code: 01950-0000

Date/Period of Generation: 07/20/2001 to: 08/20/2001

Additional Release Tracking Numbers Associated with this Bill of Lading:

** Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.*

B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

Name of Organization: City of Newburyport, School Department

Name of Contact: Eugene Case Title: Assistant Superintendent

Street: 70 Low Street

City/Town: Newburyport State: MA ZIP Code: 01950-0000

Telephone: 978-465-4456 Ext.:

C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

☑ RP or PRP Specify: ☑ Owner ☐ Operator ☐ Generator ☐ Transporter Other RP or PRP:

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

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

☐ Other Person:

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

D. TRANSPORTER OR COMMON CARRIER INFORMATION:

Transporter/Common Carrier Name: ENPRO Services, Inc.

Contact Person: Larry Bouchard Title: Compliance Officer

Street: 12 Mulliken Way

City/Town: Newburyport State: MA ZIP Code: 01950-0000

Telephone: 978-465-1595 Ext.:

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:

Operator/Facility Name: Aggregate Recycling Corp.

Contact Person: Mike McKeen Title: Sales and Compliance Manager

Street: 106 Dow Highway (Rte 236)

City/Town: Eliot State ME ZIP Code: 03903-0000

Telephone: 800-639-7303 Ext.:

Type of Facility: (check one)

☑ Asphalt Batch/Cold Mix ☐ Asphalt Batch/Hot Mix ☐ Thermal Processing ☐ Landfill/Disposal ☐ Landfill/Daily Cover ☐ Landfill/Structural Fill ☐ Incinerator ☐ Temporary Storage ☐ Other:

EPA Identification #:

Division of Hazardous Waste/Class A Permit #: Division of Solid Waste Management Permit #: S-021818-WKBN

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): to:

Reason for Temporary Storage:

Massachusetts Department of Environmental Protection ORIGINAL BWSC-012A
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*: 3 - 20517

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued) :

Temporary Storage Address:

Street: _____

City/Town: _____ State: _____ ZIP Code: _____

F. DESCRIPTION OF REMEDIATION WASTE:
(check all that apply)

☑ Contaminated Media (check all that apply): ◉ Soil ○ Groundwater ○ Surface Water ○ Other: _____

☐ Contaminated Debris (check all that apply): ○ Vegetation or Organic Debris ○ Demolition/Construction Waste
○ Inorganic Absorbant Materials ○ Other: _____

☐ Non-hazardous Uncontainerized Waste (check all that apply): ○ Non-aqueous Phase Liquid ○ Other: _____

☐ Non-hazardous Containerized Waste (check all that apply): ○ Tank Bottoms/Sludges ○ Containers ○ Drums
○ Engineered Impoundments ○ Other: _____

Type of Contamination (check all that apply): ☐ Gasoline ☐ Diesel Fuel ☑ #2 Oil ☐ #4 Oil ☐ #6 Oil ☐ Waste Oil
☐ Kerosene ☐ Jet Fuel ☐ Other: _____

Estimated Volume of Materials: Cubic Yards: 50 Tons: 75 Other: _____

Contaminant Source (check one/specify): ☐ Transportation Accident ☐ Underground Storage Tank ☑ Other: Leak from boiler

Response Action Associated with Bill of Lading (check ☑ Immediate Response Action ☐ Release Abatement Measure
☐ Utility-Related Abatement Measure ☐ Limited Removal Action ☐ Comprehensive Response Action ☐ Other _____

Remediation Waste Charcterization Support Documentation attached:
☑ Site History Information ☑ Sampling and Analytical Methods and Procedures ☑ Laboratory Data ☐ Field Screening Data

If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: ENPRO Services, Inc.

LSP Name: James D. O'Brien Title: LSP

Telephone: 978-465-1595 Ext.: _____

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of

(i) the standard of care in 309 CMR 4.02(1),
(ii) the applicable provisions of 309 CMR 4.02(2) and (3), and
(iii) the provisions of 309 CMR 4.03(5),

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

LSP Signature: _____ Seal:

Date: 7/23/01

License Number: 7022

COMMONWEALTH OF MASSACHUSETTS
JAMES D. O'BRIEN No. 7022 REGISTERED
LICENSED SITE PROFESSIONAL

Massachusetts Department of Environmental Protection BWSC-012A
Bureau of Waste Site Cleanup

ORIGINAL

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 3 120517

H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: Eugene E. Case Date: 7/23/01

Name of Person (print): Eugene Case

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

ORIGINAL

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 3 - 20517

SUMMARY SHEET 1 OF 4 10 Cys

I. LOAD INFORMATION:

Load 1:

Signature of Transporter Representative:	Signature of Receiving Facility/Temporary Storage Representative:
Date of Shipment: 07-24-01	Time of Shipment: 630 ☒ AM ☐ PM
Truck/Tractor Registration: 49719 MA	Trailer Registration (if any):
Date of Receipt: 7/24/01	Time of Receipt: 7:23 ☒ AM ☐ PM
Load Size (cu. yds./tons): 5.32	

Load 2:

Signature of Transporter Representative:	Signature of Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:	Trailer Registration (if any):
Date of Receipt:	Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):	

Load 3:

Signature of Transporter Representative:	Signature of Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:	Trailer Registration (if any):
Date of Receipt:	Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):	

Load 4:

Signature of Transporter Representative:	Signature of Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:	Trailer Registration (if any):
Date of Receipt:	Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):	

Load 5:

Signature of Transporter Representative:	Signature of Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:	Trailer Registration (if any):
Date of Receipt:	Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):	

Load 6:

Signature of Transporter Representative:	Signature of Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:	Trailer Registration (if any):
Date of Receipt:	Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):	

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):	5.32
Total Carried Forward (cu. yds./tons):	ø
Total Carried Forward and This Page (cu. yds./tons):	5.32

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030) ORIGINAL

Release Tracking Number: 3 - 20517

SUMMARY SHEET 2 OF 4/10 cys

I. LOAD INFORMATION:

Load 1:

Signature of Transporter Representative: Stephen J Sullivan

Date of Shipment: 7/25/01

Time of Shipment: 12:00 ☐ AM ☒ PM

Truck/Tractor Registration: 49719

Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative: Cheryl B Butler

Date of Receipt: 07/25/01

Time of Receipt: 12:51 ☐ AM ☒ PM

Load Size (cu. yds./tons): 11.26

Load 2:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 11.26

Total Carried Forward (cu. yds./tons): 5.32

Total Carried Forward and This Page (cu. yds./tons): 16.58

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

ORIGINAL

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 3 - 20517

SUMMARY SHEET 3 OF 10

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 7-26-01
Time of Shipment: 12:30 ☑ AM ☐ PM
Truck/Tractor Registration: 49719 MA
Trailer Registration (if any):
Signature of Receiving Facility/Temporary Storage Representative:
Date of Receipt: 07/26/01.
Time of Receipt: 12:33 ☐ AM ☑ PM
Load Size (cu. yds./tons): 12.69

Load 2:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Signature of Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 3:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Signature of Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Signature of Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Signature of Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Signature of Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)	12.69
Total Carried Forward (cu. yds./tons)	16.58
Total Carried Forward and This Page (cu. yds./tons)	29.27

Massachusetts Department of Environmental Protection

Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 4 **OF** 4/10 yds

Release Tracking Number: 3 - 20517

I. LOAD INFORMATION:

Load 1:

Signature of Transporter Representative:

Date of Shipment: 7-27-01

Time of Shipment: 11:30 ☑ AM ☐ PM

Truck/Tractor Registration: 49719 MA

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: 7/27/01

Time of Receipt: 12:11 ☐ AM ☒ PM

Load Size (cu. yds./tons): 13.36

Load 2:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)	13.36
Total Carried Forward (cu. yds./tons):	29.97
Total Carried Forward and This Page (cu. yds./tons):	42.63

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 3 - 20517

SUMMARY SHEET 5 OF 10 (GAS)

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 8-3-01
Time of Shipment: 2:00 ☐ AM ☑ PM
Truck/Tractor Registration: 49719 MA
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Cheryl B-Butts
Date of Receipt: 08/03/01
Time of Receipt: ☐ AM ☑ PM
Load Size (cu. yds./tons): 5.44

Load 2:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 3:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):	5.44
Total Carried Forward (cu. yds./tons):	42.63
Total Carried Forward and This Page (cu. yds./tons):	48.07 (GAS)

21-07-14

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

ORIGINAL

SUMMARY SHEET 62 OF 610

Release Tracking Number: 3 - 20517

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 8-6-01
Time of Shipment: 200 ☐ AM ☒ PM
Truck/Tractor Registration: 26103 MA
Trailer Registration (if any): N/A

Signature of Receiving Facility/Temporary Storage Representative: Cheryl B Butler
Date of Receipt: 08/06/01
Time of Receipt: 3:02 ☐ AM ☒ PM
Load Size (cu. yds./tons): 6.04

Load 2:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 3:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 6.04
Total Carried Forward (cu. yds./tons): ~~5.49~~ 48.07
Total Carried Forward and This Page (cu. yds./tons): ~~54.48~~ 54.11 CAD

Massachusetts Department of Environmental Protection — **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 3 - 20517

SUMMARY SHEET 12 OF 610 (GM)

I. LOAD INFORMATION:

	Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Load 1:		
Date of Shipment: 8-7-01	Time of Shipment: 2:30 ☐ AM ☑ PM	Date of Receipt: 8-7-01 Time of Receipt: 3:17 ☐ AM ☑ PM
Truck/Tractor Registration: 49719 MA	Trailer Registration (if any):	Load Size (cu. yds./tons): 8.62
Load 2:	Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment: ☐ AM ☐ PM	Date of Receipt: Time of Receipt: ☐ AM ☐ PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):
Load 3:	Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment: ☐ AM ☐ PM	Date of Receipt: Time of Receipt: ☐ AM ☐ PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):
Load 4:	Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment: ☐ AM ☐ PM	Date of Receipt: Time of Receipt: ☐ AM ☐ PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):
Load 5:	Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment: ☐ AM ☐ PM	Date of Receipt: Time of Receipt: ☐ AM ☐ PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):
Load 6:	Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment:	Time of Shipment: ☐ AM ☐ PM	Date of Receipt: Time of Receipt: ☐ AM ☐ PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)	8.62
Total Carried Forward (cu. yds./tons)	~~11.48~~ 54.11
Total Carried Forward and This Page (cu. yds./tons)	~~20.10~~ 62.73

(GM)

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030) ENPRO 1299

SUMMARY SHEET 8 OF 10 pgs

Release Tracking Number: 3 - 20517

I. LOAD INFORMATION:

Load 1:

Signature of Transporter Representative:

Date of Shipment: 8-8-01

Time of Shipment: 10:00 ☑ AM ☐ PM

Truck/Tractor Registration: 49719 MA

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative: Cheryl B Butler

Date of Receipt: 08/08/01

Time of Receipt: 10:49 ☒ AM ☐ PM

Load Size (cu. yds./tons): 5.79

Load 2:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 5.79

Total Carried Forward (cu. yds./tons): ~~20.10~~ 62.73

Total Carried Forward and This Page (cu. yds./tons): ~~25.89~~ 68.52 GD

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 89 OF 610 GAD

Release Tracking Number: 3 - 20577

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 8-10-01
Time of Shipment: 2:00 ☒ AM ☒ PM
Truck/Tractor Registration: 49719 MA
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt: 8/10/01
Time of Receipt: 3:11 ☐ AM ☑ PM
Load Size (cu. yds./tons): 12.03

Load 2:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 3:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 12.03
Total Carried Forward (cu. yds./tons): ~~25.84~~ 68.52
Total Carried Forward and This Page (cu. yds./tons): ~~37.92~~ 80.55

Revised 10/3/94

GAD

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

ORIGINAL

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 3 - 20517

SUMMARY SHEET 6 of 10 **OF** 6 of 10 GM

I. LOAD INFORMATION: Signature of Transporter Representative: Stephen J Solano

Load 1:

Date of Shipment: 8-14-01 Time of Shipment: 7:00 ☒ AM ☐ PM

Truck/Tractor Registration: MA 22807 Trailer Registration (if any): N/A

Signature of Receiving Facility/Temporary Storage Representative:

Date of Receipt: 8/14/01 Time of Receipt: 7:54 ☒ AM ☐ PM

Load Size (cu. yds./tons): 3.40

Load 2: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Signature of Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 3.40

Total Carried Forward (cu. yds./tons): ~~37.92~~ 80.55

Total Carried Forward and This Page (cu. yds./tons): ~~41.32~~ 83.95

Revised 10/3/94

GAP

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012C

ORIGINAL

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 3 - 20517

SUMMARY SHEET 1 **OF** 2 (6m)

K. SUMMARY OF SHIPMENTS:

Date of Shipment:	Date of Receipt:	Number of Loads Shipped:	Daily Volume Shipped (cu. yds./tons):
07/24/2001	07/24/2001	1	5.32
07/25/2001	07/25/2001	1	11.26
07/26/2001	07/26/2001	1	12.69
07/27/2001	07/27/2001	1	13.36

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012C

ORIGINAL

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 3 - 20517

SUMMARY SHEET 2 OF 2 cks

K. SUMMARY OF SHIPMENTS:

Date of Shipment:	Date of Receipt:	Number of Loads Shipped:	Daily Volume Shipped (cu. yds./tons):
08/03/01	08/03/01	1	5.44
08/06/01	08/06/01	1	6.04
08/07/01	08/07/01	1	8.62
08/08/01	08/08/01	1	5.79
08/10/01	08/10/01	1	12.03
08/14/01	08/14/01	1	3.40

Massachusetts Department of Environmental Protection BWSC-012C
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030 ~~ORIGINAL~~

SUMMARY SHEET

Release Tracking Number
3 - 20517

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print): Chyrl B. Butler Title: Comptroller

Signature: Chyrl B Butler Date: 08/14/01

M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in herein is, to the best of my knowledge and belief, true, accurate and complete, I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: Eugene E. Case Date: 9/27/01

Name of Person (print): Eugene E. Case

For ARC Use Only

GENERATOR'S WASTE PROFILE SHEET ORIGINAL

AGGREGATE RECYCLING CORPORATION

A. Generator Information

1. GENERATOR NAME: City of Newburyport, School Department
2. SITE STREET ADDRESS: 40 Milk Street
3. SITE CITY, STATE: Newburyport, MA
4. TECHNICAL CONTACT: Eugene Case 5. PHONE: (978)465-4456

B. Site Description

1. CURRENT SITE USAGE: School
2. PROCESS GENERATING WASTE: Excavation of soil impacted by fuel oil release from boiler gauge

C. Material Description

1. CONTAMINANTS:

VIRGIN PRODUCT

____	GASOLINE	____	#6 FUEL OIL	____	LUBE / CUTTING OIL
____	KEROSENE	____	MOTOR OIL	____	JP-4 / JET-A / JET FUEL
____	DIESEL	____	HYDRAULIC FLUID	____	OTHER (EXPLAIN):
XX	#2 FUEL OIL	____	MINERAL OIL		
____	#4 FUEL OIL	____	TRANSMISSION OIL		

[ ] WASTE OIL

2. APPROXIMATE THE AMOUNT OF DEBRIS IN THIS MATERIAL: 0 %
ARC RETAINS THE OPTION OF CHARGING FOR DEBRIS IN EXCESS OF 15% UNLESS PREVIOUS ARRANGEMENTS ARE MADE.

3. HAS THIS SITE REMEDIATION BEEN SUPERVISED BY THE STATE OF MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION?

[ ] YES [XX] NO

IF YES, PLEASE ATTACH SOIL SHIPMENT LETTER

4. CERTIFICATION - Please initial all appropriate sections:

[XX] I certify that, to the best of my knowledge, the waste material submitted to ARC does not contain regulated quantities of polychlorinated biphenyls, as defined by 40 CFR Part 761.

[ ] I certify that, based on knowledge of this site, the materials submitted to ARC are generated from remedial activities associated with a Petroleum Underground Storage Tank System regulated under 40 CFR Part 280. As such, this material is deferred from regulation under TCLP for Volatile and Semi-Volatile constituents.

[XX] I certify that, based on knowledge of the site, the materials submitted to ARC are generated from remedial activities involving a Petroleum Storage Tank used for the storage of heating oil for consumptive use on the premises where stored. As such, this material can be defined as "Household Waste" as defined in 40 CFR Part 261.4 (b) (1).

GENERATOR CERTIFICATION

By signing this profile sheet, the Generator certifies:

1. This waste is not a "Hazardous Waste" as defined by USEPA or State of Maine Regulations.
2. The portions of this sheet and attachments contain true and accurate descriptions of the waste material. All revelant information regarding known or suspected hazards in the possession of the Generator has been disclosed.
3. The analytical data presented herein or attached hereto were derived from testing a representative sample taken in accordance with 40 CFR 261.20(c), or equivalent rules.
4. If any changes occur in the character of the waste, the Generator shall notify ARC prior to providing the waste to ARC.

SIGNATURE: Eugene E. Case TITLE: Asst Supt

NAME (print or type): Eugene E. Case

P.O. Box 363 • Eliot, ME 03903
Phone 207-439-5584 • N.E. 800-639-7303 • Fax 207-439-5586

FROM AGGREGATE RECYCLING 2074395586 (UE)11 / 2000 10:28/SI.10:2/NO.5510540083 P 3

AMRO Environmental Laboratories Corporation

111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

July 20, 2001

Geoff Brown
ENPRO Services
12 Mulliken Way
Newburyport, MA 01950
TEL: (978) 465-1595
FAX: (978) 465-2050

RE: 1379 Brown School Order No.: 0107141

Dear Geoff Brown:

AMRO Environmental Laboratories Corp. received 1 sample on 7/18/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of ____ pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart
Vice President / Lab Director

AMRO Environmental Laboratories Corp.

Date: *20-Jul-01*

CLIENT: ENPRO Services
Project: 1379 Brown School
Lab Order: 0107141
Date Received: 7/18/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0107141-01A	Composite Waste	7/18/01

AMRO Environmental Laboratories Corp.

Date: *20-Jul-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Composite Waste
Lab Order:	0107141		
Project:	1379 Brown School	**Collection Date:**	7/18/01
Lab ID:	0107141-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: RK
Arsenic	15	6.2		mg/Kg-dry	1	7/20/01 11:10:58 AM
Barium	ND	25		mg/Kg-dry	1	7/20/01 11:10:58 AM
Cadmium	ND	0.62		mg/Kg-dry	1	7/20/01 11:10:58 AM
Chromium	35	1.2		mg/Kg-dry	1	7/20/01 11:10:58 AM
Lead	4.9	3.1		mg/Kg-dry	1	7/20/01 11:10:58 AM
Selenium	ND	10		mg/Kg-dry	1	7/20/01 11:10:58 AM
Silver	ND	1.7		mg/Kg-dry	1	7/20/01 11:10:58 AM
MERCURY, 7471A		**SW7471A**				Analyst: RK
Mercury	ND	0.024		mg/Kg-dry	1	7/20/01
PERCENT MOISTURE		**D2216**				Analyst: ADM
Percent Moisture	5.0	0		wt%	1	7/19/01

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

20-Jul-01

Lab Order: 0107141
Client: ENPRO Services
Project: 1379 Brown School

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0107141-01A	Composite Waste	7/18/01	Soil	ICP METALS, 3051/6010		7/19/01	7/20/01
				MERCURY, Soil		7/20/01	7/20/01
				Percent Moisture			7/19/01

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
(603) 424-2022

Client: ENPRO
Project Name: Brown
Ship via: (circle one) Fed Ex., UPS, AMRO Courier, Hand Del., Other Courier, Other:

AMRO ID: 0107141
Date Rec.: 7/18/01
Date Due: 7/20/01

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?		✓		
2. Custody Seals present?		✓		
3. Custody Seals intact?			✓	
4. Air Bill included in folder if received?			✓	
5. Is COC included with samples?	✓			
6. Is COC signed and dated by client?	✓			
7. Laboratory receipt temperature. TEMP = 6°				
Samples rec. with ice ✓ ice packs ___ neither ___				
8. Were samples received the same day they were sampled?	✓			
Is client temperature 4°C ± 2°C?	✓			
If no obtain authorization from the client for the analyses.				
Client authorization from: Date: Obtained by:				
9. Is the COC filled out correctly and completely?	✓			
10. Does the info on the COC match the samples?	✓			
11. Were samples rec. within holding time?	✓			
12. Were all samples properly labeled?	✓			
13. Were all samples properly preserved?	✓			
14. Were proper sample containers used?	✓			
15. Were all samples received intact? (none broken or leaking)	✓			
16. Were VOA vials rec. with no air bubbles?			✓	
17. Were the sample volumes sufficient for requested analysis?	✓			
18. Were all samples received?	✓			
19. VPH and VOA Soils only:			✓	
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?				
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?				
If NO then client must be faxed.				
Were vials provided by AMRO?				
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?				
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			✓	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	✓			
Dry Weight Log?	✓			
Client Log?			✓	
Composite Log?			✓	
Filtration Log?			✓	

Received By: NLM Date: 7-18-01 Logged in By: NLM Date: 7-18-01
Labeled By: 1 Date: 1 Checked By: MG Date: 7-19-01

ENPRO Services Inc.

12 Mulliken Way
Newburyport, MA 01950

ID 3620

CHAIN OF CUSTODY RECORD

Job No.	Job Name	State
1379	Brown School	MA

Samplers (Signature)

MATRIX: Water - A; Soil/Solid-S; Waste-W; Other-O

Explain

Date	Time	Comp.	Grab	Sample Number	Type, Size, & No. of Containers		BTEX/MTBE	TCLP-ICP/MS					Remarks
7/18/01	9AM	X		9 Composite Wells	1 VOA	S	X	X					RUSH Analysis - 48hr
													HOLD TCLP metals
													pending results

Relinquished by: (Signature)	Date Time	Received by (Signature)
	7/18/01 9:45	7/18/01 11:00
Relinquished by: (Signature)	Date Time	Received by (Signature)
Relinquished by: (Signature)	Date Time	Received by (Signature)
Relinquished by: (Signature)	Date Time 1400 7/18/01	Received for Laboratory by: (Signature)

☐ Fax to (phone) (978) 465-2050

Results needed No Early Access

PO# 7/16 69113

Laboratory Project No. 0107141

Seal Intact? Yes No N/A

Send Results to:

ENPRO Services, Inc.
12 Mulliken Way
Newburyport, MA 01950
Attn: Geoff Brown

Remarks

48-hr TAT

APPENDIX 2

AMRO Environmental Laboratories Corporation

111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

May 17, 2001

Geoff Brown
ENPRO Services
12 Mulliken Way
Newburyport, MA 01950
TEL: (978) 465-1595
FAX: (978) 465-2050

RE: 4405 Brown School N' Post Order No.: 0105098

Dear Geoff Brown:

AMRO Environmental Laboratories Corp. received 5 samples on 5/9/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 21 pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart
Vice President / Lab Director

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT: ENPRO Services
Project: 4405 Brown School N' Post
Lab Order: 0105098
Date Received: 5/9/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0105098-01A	Hole at wall - 2'	5/7/01
0105098-02A	Boring #2 - 0-6"	5/7/01
0105098-02B	Boring #2 - 0-6"	5/7/01
0105098-03A	Boring #2 - 6'	5/7/01
0105098-04A	Manhole-5'	5/7/01
0105098-05A	B 5 - 6-12"	5/7/01

CLIENT: ENPRO Services
Project: 4405 Brown School N' Post
Lab Order: 0105098

CASE NARRATIVE

TPH

1. Samples 0105098-01A, 0105098-02A, 0105098-03A, and 0105098-04A had recoveries for the surrogate o-Terphenyl outside the laboratory control limits (51-132%).

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Hole at wall - 2'
Lab Order:	0105098	**Tag Number:**	
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH BY GC/FID (MODIFIED 8015B)		**SW8015B**				Analyst: **KD**
Gasoline	ND	510		mg/Kg-dry	10	5/14/01 8:12:00 PM
Mineral Spirits	ND	510		mg/Kg-dry	10	5/14/01 8:12:00 PM
Kerosene	ND	510		mg/Kg-dry	10	5/14/01 8:12:00 PM
Diesel Fuel/Fuel Oil #2	19,000	510		mg/Kg-dry	10	5/14/01 8:12:00 PM
Motor Oil/Hydraulic Oil	ND	1,000		mg/Kg-dry	10	5/14/01 8:12:00 PM
Unidentified Hydrocarbons	ND	510		mg/Kg-dry	10	5/14/01 8:12:00 PM

Gasoline cannot be accurately determined by this method. Purge and trap sample introduction into a GC or GCMS is the recommended approach for gasoline. Due to the physical, chemical, and biological processes which affect the chemical composition of fuel mixtures exposed to the environment, the qualitative identity of a hydrocarbon mixture as a fuel product is not always conclusive by this method due to the method's reliance on chromatographic pattern recognition. A result provided for a specific fuel indicates that the mixture present in the sample has a chromatographic pattern similar to the laboratory's reference standard for that fuel mixture under specific GC operating conditions utilized at the time of analysis. A result identified as Unidentified Hydrocarbons is based upon the detector response obtained for the laboratory's Fuel Oil#2 reference standard and includes the entire chromatographic response for the sample between n-Alkanes of carbon numbers C9 to C36.

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boring #2 - 0-6"
Lab Order:	0105098	**Tag Number:**	
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-02A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH BY GC/FID (MODIFIED 8015B)		**SW8015B**				Analyst: KD
Gasoline	ND	260		mg/Kg-dry	5	5/14/01 8:49:00 PM
Mineral Spirits	ND	260		mg/Kg-dry	5	5/14/01 8:49:00 PM
Kerosene	ND	260		mg/Kg-dry	5	5/14/01 8:49:00 PM
Diesel Fuel/Fuel Oil #2	11,000	260		mg/Kg-dry	5	5/14/01 8:49:00 PM
Motor Oil/Hydraulic Oil	ND	520		mg/Kg-dry	5	5/14/01 8:49:00 PM
Unidentified Hydrocarbons	ND	260		mg/Kg-dry	5	5/14/01 8:49:00 PM

Gasoline cannot be accurately determined by this method. Purge and trap sample introduction into a GC or GCMS is the recommended approach for gasoline. Due to the physical, chemical, and biological processes which affect the chemical composition of fuel mixtures exposed to the environment, the qualitative identity of a hydrocarbon mixture as a fuel product is not always conclusive by this method due to the method's reliance on chromatographic pattern recognition. A result provided for a specific fuel indicates that the mixture present in the sample has a chromatographic pattern similar to the laboratory's reference standard for that fuel mixture under specific GC operating conditions utilized at the time of analysis. A result identified as Unidentified Hydrocarbons is based upon the detector response obtained for the laboratory's Fuel Oil#2 reference standard and includes the entire chromatographic response for the sample between n-Alkanes of carbon numbers C9 to C36.

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boring #2 - 6'
Lab Order:	0105098	**Tag Number:**	
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-03A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH BY GC/FID (MODIFIED 8015B)		**SW8015B**				Analyst: **KD**
Gasoline	ND	50		mg/Kg-dry	1	5/12/01 1:14:00 AM
Mineral Spirits	ND	50		mg/Kg-dry	1	5/12/01 1:14:00 AM
Kerosene	ND	50		mg/Kg-dry	1	5/12/01 1:14:00 AM
Diesel Fuel/Fuel Oil #2	550	50		mg/Kg-dry	1	5/12/01 1:14:00 AM
Motor Oil/Hydraulic Oil	ND	100		mg/Kg-dry	1	5/12/01 1:14:00 AM
Unidentified Hydrocarbons	ND	50		mg/Kg-dry	1	5/12/01 1:14:00 AM

Gasoline cannot be accurately determined by this method. Purge and trap sample introduction into a GC or GCMS is the recommended approach for gasoline. Due to the physical, chemical, and biological processes which affect the chemical composition of fuel mixtures exposed to the environment, the qualitative identity of a hydrocarbon mixture as a fuel product is not always conclusive by this method due to the method's reliance on chromatographic pattern recognition. A result provided for a specific fuel indicates that the mixture present in the sample has a chromatographic pattern similar to the laboratory's reference standard for that fuel mixture under specific GC operating conditions utilized at the time of analysis. A result identified as Unidentified Hydrocarbons is based upon the detector response obtained for the laboratory's Fuel Oil#2 reference standard and includes the entire chromatographic response for the sample between n-Alkanes of carbon numbers C9 to C36.

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded.
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Manhole-5'
Lab Order:	0105098	**Tag Number:**	
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-04A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH BY GC/FID (MODIFIED 8015B)		**SW8015B**				Analyst: **KD**
Gasoline	ND	520		mg/Kg-dry	10	5/12/01 3:06:00 AM
Mineral Spirits	ND	520		mg/Kg-dry	10	5/12/01 3:06:00 AM
Kerosene	ND	520		mg/Kg-dry	10	5/12/01 3:06:00 AM
Diesel Fuel/Fuel Oil #2	46,000	520		mg/Kg-dry	10	5/12/01 3:06:00 AM
Motor Oil/Hydraulic Oil	ND	1,000		mg/Kg-dry	10	5/12/01 3:06:00 AM
Unidentified Hydrocarbons	ND	520		mg/Kg-dry	10	5/12/01 3:06:00 AM

Gasoline cannot be accurately determined by this method. Purge and trap sample introduction into a GC or GCMS is the recommended approach for gasoline. Due to the physical, chemical, and biological processes which affect the chemical composition of fuel mixtures exposed to the environment, the qualitative identity of a hydrocarbon mixture as a fuel product is not always conclusive by this method due to the method's reliance on chromatographic pattern recognition. A result provided for a specific fuel indicates that the mixture present in the sample has a chromatographic pattern similar to the laboratory's reference standard for that fuel mixture under specific GC operating conditions utilized at the time of analysis. A result identified as Unidentified Hydrocarbons is based upon the detector response obtained for the laboratory's Fuel Oil#2 reference standard and includes the entire chromatographic response for the sample between n-Alkanes of carbon numbers C9 to C36.

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	B 5 - 6-12"
Lab Order:	0105098	**Tag Number:**	
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-05A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH BY GC/FID (MODIFIED 8015B)		**SW8015B**				Analyst: KD
Gasoline	ND	270		mg/Kg-dry	5	5/14/01 9:25:00 PM
Mineral Spirits	ND	270		mg/Kg-dry	5	5/14/01 9:25:00 PM
Kerosene	ND	270		mg/Kg-dry	5	5/14/01 9:25:00 PM
Diesel Fuel/Fuel Oil #2	9,200	270		mg/Kg-dry	5	5/14/01 9:25:00 PM
Motor Oil/Hydraulic Oil	ND	550		mg/Kg-dry	5	5/14/01 9:25:00 PM
Unidentified Hydrocarbons	ND	270		mg/Kg-dry	5	5/14/01 9:25:00 PM

Gasoline cannot be accurately determined by this method. Purge and trap sample introduction into a GC or GCMS is the recommended approach for gasoline. Due to the physical, chemical, and biological processes which affect the chemical composition of fuel mixtures exposed to the environment, the qualitative identity of a hydrocarbon mixture as a fuel product is not always conclusive by this method due to the method's reliance on chromatographic pattern recognition. A result provided for a specific fuel indicates that the mixture present in the sample has a chromatographic pattern similar to the laboratory's reference standard for that fuel mixture under specific GC operating conditions utilized at the time of analysis. A result identified as Unidentified Hydrocarbons is based upon the detector response obtained for the laboratory's Fuel Oil#2 reference standard and includes the entire chromatographic response for the sample between n-Alkanes of carbon numbers C9 to C36.

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded.
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boring #2 - 0-6"
Lab Order:	0105098	**Tag Number:**	
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-02B	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS		**MAVPH**				Analyst: **SK**
C5-C8 Aliphatic Hydrocarbons	46	22		mg/Kg-dry	10	5/15/01 1:45:00 AM
C9-C12 Aliphatic Hydrocarbons	120	5.6		mg/Kg-dry	10	5/15/01 1:45:00 AM
C9-C10 Aromatic Hydrocarbons	880	56		mg/Kg-dry	100	5/17/01 4:42:00 AM
Methyl tert-butyl ether	ND	0.45		mg/Kg-dry	10	5/15/01 1:45:00 AM
Benzene	ND	0.45		mg/Kg-dry	10	5/15/01 1:45:00 AM
Toluene	0.62	0.45		mg/Kg-dry	10	5/15/01 1:45:00 AM
Ethylbenzene	2.6	0.45		mg/Kg-dry	10	5/15/01 1:45:00 AM
m,p-Xylene	9.3	0.45		mg/Kg-dry	10	5/15/01 1:45:00 AM
o-Xylene	5.7	0.45		mg/Kg-dry	10	5/15/01 1:45:00 AM
Naphthalene	23	1.1		mg/Kg-dry	10	5/15/01 1:45:00 AM
Surr: Dibromofluoromethane	78.2	70-130		%REC	10	5/15/01 1:45:00 AM
Surr: 1,2-Dichloroethane-d4	92.7	70-130		%REC	10	5/15/01 1:45:00 AM
Surr: Toluene-d8	90.6	70-130		%REC	10	5/15/01 1:45:00 AM
Surr: 4-Bromofluorobenzene	93.9	70-130		%REC	10	5/15/01 1:45:00 AM
Surr: 2,5-Dibromotoluene	123	70-130		%REC	10	5/15/01 1:45:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 5-17-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boring #2 - 0-6"
Lab Order:	0105098	**Tag Number:**	
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-02A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS	**MAEPH**					Analyst: **GG**
C9-C18 Aliphatic Hydrocarbons	3,500	260		mg/Kg-dry	5	5/15/01 10:57:00 AM
C19-C36 Aliphatic Hydrocarbons	1,100	260		mg/Kg-dry	5	5/15/01 10:57:00 AM
C11-C22 Aromatic Hydrocarbons	1,900	52		mg/Kg-dry	1	5/15/01 12:42:00 AM
Naphthalene	23	0.26		mg/Kg-dry	1	5/15/01 12:42:00 AM
2-Methylnaphthalene	71	1.3		mg/Kg-dry	5	5/15/01 10:57:00 AM
Acenaphthene	5.5	0.26		mg/Kg-dry	1	5/15/01 12:42:00 AM
Phenanthrene	10	0.26		mg/Kg-dry	1	5/15/01 12:42:00 AM
Surr: 1-Chlorooctadecane	95.4	40-140		%REC	1	5/15/01 12:42:00 AM
Surr: 2-Bromonaphthalene	110	40-140		%REC	1	5/15/01 12:42:00 AM
Surr: 2-Fluorobiphenyl	111	40-140		%REC	1	5/15/01 12:42:00 AM
Surr: o-Terphenyl	98.5	40-140		%REC	1	5/15/01 12:42:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 5-17-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Hole at wall - 2'
Lab Order:	0105098		
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **CLB**
Percent Moisture	4.1	0		wt%	1	5/10/01

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boring #2 - 0-6"
Lab Order:	0105098		
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-02A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **CLB**
Percent Moisture	6.6	0		wt%	1	5/10/01

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boring #2 - 6'
Lab Order:	0105098		
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-03A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	**D2216**					Analyst: **CLB**
Percent Moisture	3.0	0		wt%	1	5/10/01

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Manhole-5'
Lab Order:	0105098		
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-04A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **CLB**
Percent Moisture	5.4	0		wt%	1	5/10/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *17-May-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	B 5 - 6-12"
Lab Order:	0105098		
Project:	4405 Brown School N' Post	**Collection Date:**	5/7/01
Lab ID:	0105098-05A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	**D2216**					Analyst: **CLB**
Percent Moisture	8.6	0		wt%	1	5/10/01

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

Lab Order: 0105098
Client: ENPRO Services
Project: 4405 Brown School N' Post

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0105098-01A	Hole at wall - 2'	5/7/01	Soil	Percent Moisture			5/10/01
				TPH by GC/FID (modified 8015B)		5/10/01	5/14/01
0105098-02A	Boring #2 - 0-6"			EPH, Soil, 4 Diesel PAHs		5/12/01	5/15/01
				EPH, Soil, 4 Diesel PAHs		5/12/01	5/15/01
				Percent Moisture			5/10/01
				TPH by GC/FID (modified 8015B)		5/10/01	5/14/01
0105098-02B				Volatile Petroleum Hydrocarbons		5/7/01	5/15/01
				Volatile Petroleum Hydrocarbons		5/7/01	5/17/01
0105098-03A	Boring #2 - 6'			Percent Moisture			5/10/01
				TPH by GC/FID (modified 8015B)		5/10/01	5/12/01
0105098-04A	Manhole-5'			Percent Moisture			5/10/01
				TPH by GC/FID (modified 8015B)		5/10/01	5/12/01
0105098-05A	B 5 - 6-12"			Percent Moisture			5/10/01
				TPH by GC/FID (modified 8015B)		5/10/01	5/14/01

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
(603) 424-2022

Client: ENPRO
Project Name: Brown School
Ship via: (circle one) Fed Ex., UPS (AMRO Courier),
Hand Del., Other Courier, Other:

AMRO ID: 0105098
Date Rec.: 5-9-01
Date Due: 5-16-01

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?			X	
2. Custody Seals present?			X	
3. Custody Seals Intact?			X	
4. Air Bill included in folder if received?			X	
5. Is COC included with samples?	X			
6. Is COC signed and dated by client?	X			
7. Laboratory receipt temperature. TEMP = 5°			X	
Samples rec. with ice___ ice packs X neither___			X	
8. Were samples received the same day they were sampled?		X		
Is client temperature 4°C ± 2°C?	X			
If no obtain authorization from the client for the analyses.			X	
Client authorization from: Date: Obtained by:			X	
9. Is the COC filled out correctly and completely?	X			
10. Does the info on the COC match the samples?	X			
11. Were samples rec. within holding time?	X			
12. Were all samples properly labeled?	X			
13. Were all samples properly preserved?	X			
14. Were proper sample containers used?	X			
15. Were all samples received intact? (none broken or leaking)	X			
16. Were VOA vials rec. with no air bubbles?			X	
17. Were the sample volumes sufficient for requested analysis?	X			
18. Were all samples received?	X			
19. VPH and VOA Soils only:				
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?	X			
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?	X			
If NO then client must be faxed.				
Were vials provided by AMRO?	X			
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?	X			
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			X	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	X			
Dry Weight Log?	X			
Client Log?			X	
Composite Log?			X	
Filtration Log?			X	

Received By: CC Date: 5-9-01 Logged in By: DO Date: 5-9-01
Labeled By: DO Date: 5-9-01 Checked By: MG Date: 5-10-01

NA= Not Applicable

ENPRO Services Inc.

12 Mulliken Way
Newburyport, MA 01950

3505

CHAIN OF CUSTODY RECORD

Job No.	Job Name	State
4405	Brown School - N'port	MA

Samplers *(Signature)*

Date	Time	Comp.	Grab	Sample Number	Type, Size, & No. of Containers	MATRIX Water - A Soil/Solid-S Waste-W Other-O	TAL & Silver	EPH & TPH	VPH w/ BTEX				Remarks
5/7/01	9:30	X		Hole at wall - 2'	1x 8oz	S	X						
5/7/01	10:15	X		Boring #1 - 0-6"	1x 8oz 2x VOH	S	X	X	X				
5/7/01	11:30	X		Boring #2 - 6'	1x 8oz	S	X						
5/7/01	11:45	X		Manhole - 5'	1x 8oz	S	X						
5/7/01	12:45	X		B 5 - 6-12"	1x 8oz	S	X						

Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*	Fax to (phone) (978) 465-2050	Send Results to:
	5/9/01 4pm	5/9/01 13:30	Results needed 5 day TAT	ENPRO Services, Inc. 12 Mulliken Way Newburyport, MA 01950 Attn: Geoff Brown
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*	PO# 68221	
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*	Laboratory Project No. 0105098	Remarks
Relinquished by: *(Signature)*	Date Time 5/9/01 1530	Received for Laboratory by: *(Signature)*	Seal Intact? Yes No N/A	

The Commonwealth of Massachusetts

Department of Environmental Protection

Division of Environmental Analysis
Senator William X. Wall Experiment Station

certifies

M-NH012 **AMRO ENVIRONMENTAL LAB**
111 HERRICK ST
MERRIMACK, NH 03054-0000

Laboratory Director: **Nancy Stewart**

for the analysis of **NON POTABLE WATER (CHEMISTRY)**
POTABLE WATER (CHEMISTRY)

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.

Issued: **01 JUL 2000**

Expires: **30 JUN 2001**

Oscar C. Zaccarelli

Director, Division of Environmental Analysis

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 02 MAY 2001

M-NH012 **AMRO ENVIRONMENTAL LAB**
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY) **Effective Date** **02 MAY 2001** **Expiration Date** **30 JUN 2001**

Analytes and Methods

ALUMINUM	EPA 200.7	NITRATE-N	EPA 353.2
ANTIMONY	EPA 200.7	KJELDAHL-N	EPA 351.1
ANTIMONY	EPA 204.2	KJELDAHL-N	EPA 351.2
ARSENIC	EPA 200.7	ORTHOPHOSPHATE	EPA 365.2
ARSENIC	EPA 206.2	ORTHOPHOSPHATE	EPA 300.0
ARSENIC	ASTM D2972-93(C)	TOTAL PHOSPHORUS	EPA 365.2
BERYLLIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	EPA 410.4
CADMIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	HACH METHOD 8000
CHROMIUM	EPA 200.7	BIOCHEMICAL OXYGEN DEMAND	EPA 405.1
COBALT	EPA 200.7	TOTAL CYANIDE	EPA 335.2
COPPER	EPA 200.7	NON-FILTERABLE RESIDUE	EPA 160.2
IRON	EPA 200.7	TOTAL RESIDUAL CHLORINE	SM 4500-CL-G
LEAD	EPA 200.7	OIL AND GREASE	EPA 413.1
LEAD	EPA 239.2	TOTAL PHENOLICS	EPA 420.1
MANGANESE	EPA 200.7	VOLATILE HALOCARBONS	EPA 624
MERCURY	EPA 245.1	VOLATILE AROMATICS	EPA 624
MOLYBDENUM	EPA 200.7	CHLORDANE	EPA 608
NICKEL	EPA 200.7	ALDRIN	EPA 608
SELENIUM	EPA 200.7	DIELDRIN	EPA 608
SELENIUM	EPA 270.2	DDD	EPA 608
SILVER	EPA 200.7	DDT	EPA 608
STRONTIUM	EPA 200.7	HEPTACHLOR	EPA 608
THALLIUM	EPA 200.7	HEPTACHLOR EPOXIDE	EPA 608
THALLIUM	EPA 279.2	POLYCHLORINATED BIPHENYLS (WATEF	EPA 608
ZINC	EPA 200.7	POLYCHLORINATED BIPHENYLS (OIL)	EPA 600/4-81-045
PH	EPA 150.1		
SPECIFIC CONDUCTIVITY	EPA 120.1		
TOTAL DISSOLVED SOLIDS	EPA 160.1		
TOTAL HARDNESS (CACO3)	EPA 200.7		
CALCIUM	EPA 200.7		
MAGNESIUM	EPA 200.7		
SODIUM	EPA 200.7		
POTASSIUM	EPA 200.7		
TOTAL ALKALINITY	EPA 310.1		
CHLORIDE	EPA 325.3		
CHLORIDE	EPA 300.0		
FLUORIDE	EPA 340.2		
FLUORIDE	EPA 300.0		
SULFATE	EPA 375.4		
SULFATE	EPA 300.0		
AMMONIA-N	EPA 350.2		
NITRATE-N	EPA 300.0		

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 02 MAY 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

POTABLE WATER (CHEMISTRY) **Effective Date** 01 MAY 2001 **Expiration Date** 30 JUN 2001

Analytes	Methods
ANTIMONY	EPA 200.9
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
LEAD	EPA 200.9
MERCURY	EPA 245.1
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	EPA 300.0
FLUORIDE	SM 4500-F-E
SULFATE	EPA 300.0
CYANIDE	SM 4500-CN-C,E
TURBIDITY	EPA 180.1
RESIDUAL FREE CHLORINE	SM 4500-CL-G
CALCIUM	EPA 200.7
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1

AMRO Environmental Laboratories Corporation

111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

July 11, 2001

Geoff Brown
ENPRO Services
12 Mulliken Way
Newburyport, MA 01950
TEL: (978) 465-1595
FAX: (978) 465-2050

RE: 1379 Brown School Order No.: 0107004

Dear Geoff Brown:

AMRO Environmental Laboratories Corp. received 1 sample on 7/2/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 9 pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

for Nancy Stewart
Vice President / Lab Director

AMRO Environmental Laboratories Corp.

Date: *11-Jul-01*

CLIENT: ENPRO Services
Project: 1379 Brown School
Lab Order: 0107004
Date Received: 7/2/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0107004-01A	Disposal Comp.	7/2/01

AMRO Environmental Laboratories Corp.

Date: *11-Jul-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Disposal Comp.
Lab Order:	0107004		
Project:	1379 Brown School	**Collection Date:**	7/2/01
Lab ID:	0107004-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **RK**
Arsenic	17	6.6		mg/Kg-dry	1	7/6/01 3:12:33 PM
Barium	520	26		mg/Kg-dry	1	7/6/01 3:12:33 PM
Cadmium	43	0.66		mg/Kg-dry	1	7/6/01 3:12:33 PM
Chromium	48	1.3		mg/Kg-dry	1	7/6/01 3:12:33 PM
Lead	7,600	3.3		mg/Kg-dry	1	7/6/01 3:12:33 PM
Selenium	ND	11		mg/Kg-dry	1	7/6/01 3:12:33 PM
Silver	ND	1.9		mg/Kg-dry	1	7/6/01 3:12:33 PM
MERCURY, 7471A		**SW7471A**				Analyst: **RK**
Mercury	ND	0.023		mg/Kg-dry	1	7/9/01
PERCENT MOISTURE		**D2216**				Analyst: **ADM**
Percent Moisture	6.5	0		wt%	1	7/5/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

11-Jul-01

Lab Order: 0107004
Client: ENPRO Services
Project: 1379 Brown School

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0107004-01A	Disposal Comp.	7/2/01	Soil	ICP METALS, 3051/6010		7/3/01	7/6/01
				MERCURY, Soil		7/9/01	7/9/01
				Percent Moisture			7/5/01

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
~~(603) 424-2022~~

Client: ENPRO
Project Name: 1379 Brown School
Ship via: (circle one) Fed Ex., UPS, AMRO Courier,
Hand Del., Other Courier. Other:

AMRO ID: 0107004
Date Rec.: 7-2-01
Date Due: 7-6-01

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?			✓	
2. Custody Seals present?			✓	
3. Custody Seals Intact?			✓	
4. Air Bill included in folder if received?			✓	
5. Is COC included with samples?	✓			
6. Is COC signed and dated by client?	✓			
7. Laboratory receipt temperature. TEMP = 2°				
Samples rec. with ice ✓ ice packs___ neither___				
8. Were samples received the same day they were sampled?	✓			
Is client temperature 4°C ± 2°C?	✓			
If no obtain authorization from the client for the analyses.				
Client authorization from: Date: Obtained by:				
9. Is the COC filled out correctly and completely?	✓			
10. Does the info on the COC match the samples?	✓			
11. Were samples rec. within holding time?	✓			
12. Were all samples properly labeled?	✓			
13. Were all samples properly preserved?	✓			
14. Were proper sample containers used?	✓			
15. Were all samples received intact? (none broken or leaking)	✓			
16. Were VOA vials rec. with no air bubbles?			✓	
17. Were the sample volumes sufficient for requested analysis?	✓			
18. Were all samples received?	✓			
19. VPH and VOA Soils only:			✓	
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?				
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?				
If NO then client must be faxed.				
Were vials provided by AMRO?				
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?				
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			✓	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	✓			
Dry Weight Log?	✓		✓	
Client Log?		✓		
Composite Log?			✓	
Filtration Log?			✓	

Received By: NM Date: 7-2-01 Logged in By: CC Date: 7-2-01
Labeled By: CC Date: 7-2-01 Checked By: MG Date: 7-2-01

005

NA= Not Applicable

ENPRO Services Inc.

12 Mulliken Way
Newburyport, MA 01950

2511

CHAIN OF CUSTODY RECORD

Job No.	Job Name	State
1379	Barn Sch	MA

Samplers *(Signature)*

Date	Time	Comp.	Grab	Sample Number	Type, Size, & No. of Containers	MATRIX Water - A Soil/Solid-S Waste-W Other-O	Explain	TCLP RCRA 8 Metals						Remarks
7/2/01	10.30	X		Drippan Comp.	1x80z	S	X							RUSH 3-Da TAT

Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*
	7/2/01 11 A.M	7/2/01 13:30
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*
Relinquished by: *(Signature)*	Date Time 7/2/01 1600	Received for Laboratory by: *(Signature)* Michael Marchese

☑ Fax to (phone)
(978) 465-2050
Results needed 3-Da, -L, 7/6
PO# 68434

Laboratory Project No.
C107004

Seal Intact?
Yes No N/A

Send Results to:

ENPRO Services, Inc.
12 Mulliken Way
Newburyport, MA 01950
Attn: Cecil Barn

Remarks

RUSH: 3 Da, TAT

The Commonwealth of Massachusetts

Department of Environmental Protection

Division of Environmental Analysis

Senator William X. Wall Experiment Station

certifies

M-NH012

AMRO ENVIRONMENTAL LAB
111 HERRICK ST
MERRIMACK, NH 03054-0000

Laboratory Director: **Nancy Stewart**

for the analysis of **NON POTABLE WATER (CHEMISTRY)**
POTABLE WATER (CHEMISTRY)

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.

Issued: **01 JUL 2001**

Expires: **30 JUN 2002**

Oscar C. Zaccaria

Director, Division of Environmental Analysis

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 02 MAY 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY) Effective Date 02 MAY 2001 Expiration Date 30 JUN 2001

Analytes and Methods

ALUMINUM	EPA 200.7	NITRATE-N	EPA 353.2
ANTIMONY	EPA 200.7	KJELDAHL-N	EPA 351.1
ANTIMONY	EPA 204.2	KJELDAHL-N	EPA 351.2
ARSENIC	EPA 200.7	ORTHOPHOSPHATE	EPA 365.2
ARSENIC	EPA 206.2	ORTHOPHOSPHATE	EPA 300.0
ARSENIC	ASTM D2972-93(C)	TOTAL PHOSPHORUS	EPA 365.2
BERYLLIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	EPA 410.4
CADMIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	HACH METHOD 8000
CHROMIUM	EPA 200.7	BIOCHEMICAL OXYGEN DEMAND	EPA 405.1
COBALT	EPA 200.7	TOTAL CYANIDE	EPA 335.2
COPPER	EPA 200.7	NON-FILTERABLE RESIDUE	EPA 160.2
IRON	EPA 200.7	TOTAL RESIDUAL CHLORINE	SM 4500-CL-G
LEAD	EPA 200.7	OIL AND GREASE	EPA 413.1
LEAD	EPA 239.2	TOTAL PHENOLICS	EPA 420.1
MANGANESE	EPA 200.7	VOLATILE HALOCARBONS	EPA 624
MERCURY	EPA 245.1	VOLATILE AROMATICS	EPA 624
MOLYBDENUM	EPA 200.7	CHLORDANE	EPA 608
NICKEL	EPA 200.7	ALDRIN	EPA 608
SELENIUM	EPA 200.7	DIELDRIN	EPA 608
SELENIUM	EPA 270.2	DDD	EPA 608
SILVER	EPA 200.7	DDT	EPA 608
STRONTIUM	EPA 200.7	HEPTACHLOR	EPA 608
THALLIUM	EPA 200.7	HEPTACHLOR EPOXIDE	EPA 608
THALLIUM	EPA 279.2	POLYCHLORINATED BIPHENYLS (WATEF	EPA 608
ZINC	EPA 200.7	POLYCHLORINATED BIPHENYLS (OIL)	EPA 600/4-81-045
PH	EPA 150.1		
SPECIFIC CONDUCTIVITY	EPA 120.1		
TOTAL DISSOLVED SOLIDS	EPA 160.1		
TOTAL HARDNESS (CACO3)	EPA 200.7		
CALCIUM	EPA 200.7		
MAGNESIUM	EPA 200.7		
SODIUM	EPA 200.7		
POTASSIUM	EPA 200.7		
TOTAL ALKALINITY	EPA 310.1		
CHLORIDE	EPA 325.3		
CHLORIDE	EPA 300.0		
FLUORIDE	EPA 340.2		
FLUORIDE	EPA 300.0		
SULFATE	EPA 375.4		
SULFATE	EPA 300.0		
AMMONIA-N	EPA 350.2		
NITRATE-N	EPA 300.0		

008

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 02 MAY 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

POTABLE WATER (CHEMISTRY) Effective Date 01 MAY 2001 Expiration Date 30 JUN 2001

Analytes	Methods
ANTIMONY	EPA 200.9
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
LEAD	EPA 200.9
MERCURY	EPA 245.1
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	EPA 300.0
FLUORIDE	SM 4500-F-E
SULFATE	EPA 300.0
CYANIDE	SM 4500-CN-C,E
TURBIDITY	EPA 180.1
RESIDUAL FREE CHLORINE	SM 4500-CL-G
CALCIUM	EPA 200.7
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1

009

AMRO Environmental Laboratories Corporation

111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

July 13, 2001

Geoff Brown
ENPRO Services
12 Mulliken Way
Newburyport, MA 01950
TEL: (978) 465-1595
FAX: (978) 465-2050

RE: 1379 Brown School Order No.: 0107045

Dear Geoff Brown:

AMRO Environmental Laboratories Corp. received 1 sample on 7/9/01 for the analyses presented in the following report.

The enclosed results are additional analyses requested after the original report was issued. AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 7 pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart
Vice President / Lab Director

AMRO Environmental Laboratories Corp.

Date: *13-Jul-01*

CLIENT: ENPRO Services
Project: 1379 Brown School
Lab Order: 0107045
Date Received: 7/2/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0107045-01A	Disposal Comp.	7/2/01

AMRO Environmental Laboratories Corp.

Date: *13-Jul-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Disposal Comp.
Lab Order:	0107045		
Project:	1379 Brown School	**Collection Date:**	7/2/01
Lab ID:	0107045-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
MERCURY, TCLP		**SW7470**				Analyst: **RK**
Mercury	ND	0.0010		mg/L	1	7/12/01
ICP METALS, TCLP LEACHED		**SW1311/6010B**				Analyst: **RK**
Arsenic	ND	1.0		mg/L	1	7/11/01 5:23:34 PM
Barium	ND	2.0		mg/L	1	7/11/01 5:23:34 PM
Cadmium	ND	0.10		mg/L	1	7/11/01 5:23:34 PM
Chromium	ND	0.10		mg/L	1	7/11/01 5:23:34 PM
Lead	ND	1.0		mg/L	1	7/11/01 5:23:34 PM
Selenium	ND	0.58		mg/L	1	7/11/01 5:23:34 PM
Silver	ND	0.10		mg/L	1	7/11/01 5:23:34 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

13-Jul-01

Lab Order: 0107045
Client: ENPRO Services
Project: 1379 Brown School

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0107045-01A	Disposal Comp.	7/2/01	Soil	ICP METALS, TCLP	7/10/01	7/11/01	7/11/01
				MERCURY, TCLP	7/10/01	7/11/01	7/12/01

ENPRO Services, Inc.
12 Mulliken Way
Newburyport, MA 01950
Tel. (978) 465-1595
Fax (978) 465-2050
office@enpro.com

- Fax Cover Sheet -

0107045

Date: 7/9/01 Total Pages (including cover): 2

To: Mirta

Company Name: Amro

Fax Number:

From: Geoff Brown

RE: TCLP Analysis - Sample # 0107004-01A

Message: Mirta,

Based on the total metal results for the Sample # 0107004-01A, please run TCLP-RCRA 8 on this Sample. Please call with any questions.

Thanks,

If there is any problems with the transmission of this fax please call (978) 465-1595.

ENPRO Services Inc.

12 Mulliken Way
Newburyport, MA 01950

CHAIN OF CUSTODY RECORD

№ 3511

Job No.	Job Name	State
1379	Bown School	MA

Samplers (Signature)

Date	Time	Comp.	Grab	Sample Number	Type, Size, & No. of Containers	MATRIX Water - A Soil/Solid-S Waste-W Other-O	Explain	TPH (8100M & mod)						Remarks
7/2/01	10:30	X		Disposal Comp.	1x802	S		X						RUSH - 3-Day TAT

Relinquished by: (Signature)	Date Time	Received by (Signature)	Fax to (phone) (978) 465-2050	Send Results to:
	7/2/01 11 A.M.		Results needed 3-Day - 4, 7/6/01	ENPRO Services, Inc. 12 Mulliken Way Newburyport, MA 01950 Attn: Geoff Bown
Relinquished by: (Signature)	Date Time	Received by (Signature)	PO# 68424	
Relinquished by: (Signature)	Date Time	Received by (Signature)	Laboratory Project No. 0107004	Remarks: RUSH - 3-Day TAT
Relinquished by: (Signature)	Date Time 7/2/01 1600	Received for Laboratory by: (Signature)	Seal Intact? Yes No N/A	

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
~~(603) 424-2022~~

Client: ENPRO
Project Name: 1379 Brown School
Ship via: (circle one) Fed Ex., UPS, AMRO Courier,
Hand Del., Other Courier, Other:

AMRO ID: 0107004
Date Rec.: 7-2-01
Date Due: 7-6-01

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?			✓	
2. Custody Seals present?			✓	
3. Custody Seals Intact?			✓	
4. Air Bill included in folder if received?			✓	
5. Is COC included with samples?	✓			
6. Is COC signed and dated by client?	✓			
7. Laboratory receipt temperature. TEMP = 2°				
Samples rec. with ice ✓ ice packs ___ neither ___				
8. Were samples received the same day they were sampled?	✓			
Is client temperature 4°C ± 2°C?	✓			
If no obtain authorization from the client for the analyses.				
Client authorization from: Date: Obtained by:				
9. Is the COC filled out correctly and completely?	✓			
10. Does the info on the COC match the samples?	✓			
11. Were samples rec. within holding time?	✓			
12. Were all samples properly labeled?	✓			
13. Were all samples properly preserved?	✓			
14. Were proper sample containers used?	✓			
15. Were all samples received intact? (none broken or leaking)	✓			
16. Were VOA vials rec. with no air bubbles?			✓	
17. Were the sample volumes sufficient for requested analysis?	✓			
18. Were all samples received?	✓			
19. VPH and VOA Soils only:			✓	
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?				
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?				
If NO then client must be faxed.				
Were vials provided by AMRO?				
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?				
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			✓	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	✓			
Dry Weight Log?	✓		~~✓~~	
Client Log?		✓		
Composite Log?			✓	
Filtration Log?			✓	

Received By: NM Date: 7-2-01 Logged in By: CC Date: 7-2-01
Labeled By: CC Date: 7-2-01 Checked By: MG Date: 7-2-01

007

NA= Not Applicable

AMRO Environmental Laboratories Corporation

111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

July 20, 2001

Geoff Brown
ENPRO Services
12 Mulliken Way
Newburyport, MA 01950
TEL: (978) 465-1595
FAX: (978) 465-2050

RE: 1379 Brown School

Order No.: 0107141

Dear Geoff Brown:

AMRO Environmental Laboratories Corp. received 1 sample on 7/18/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 9 pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart
Vice President / Lab Director

AMRO Environmental Laboratories Corp.

Date: *20-Jul-01*

CLIENT: ENPRO Services
Project: 1379 Brown School
Lab Order: 0107141
Date Received: 7/18/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0107141-01A	Composite Waste	7/18/01

AMRO Environmental Laboratories Corp.

Date: *20-Jul-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Composite Waste
Lab Order:	0107141		
Project:	1379 Brown School	**Collection Date:**	7/18/01
Lab ID:	0107141-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		**SW6010B**				Analyst: **RK**
Arsenic	15	6.2		mg/Kg-dry	1	7/20/01 11:10:58 AM
Barium	ND	25		mg/Kg-dry	1	7/20/01 11:10:58 AM
Cadmium	ND	0.62		mg/Kg-dry	1	7/20/01 11:10:58 AM
Chromium	35	1.2		mg/Kg-dry	1	7/20/01 11:10:58 AM
Lead	4.9	3.1		mg/Kg-dry	1	7/20/01 11:10:58 AM
Selenium	ND	10		mg/Kg-dry	1	7/20/01 11:10:58 AM
Silver	ND	1.7		mg/Kg-dry	1	7/20/01 11:10:58 AM
MERCURY, 7471A		**SW7471A**				Analyst: **RK**
Mercury	ND	0.024		mg/Kg-dry	1	7/20/01
PERCENT MOISTURE		**D2216**				Analyst: **ADM**
Percent Moisture	5.0	0		wt%	1	7/19/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

20-Jul-01

Lab Order: 0107141
Client: ENPRO Services
Project: 1379 Brown School

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0107141-01A	Composite Waste	7/18/01	Soil	ICP METALS, 3051/6010		7/19/01	7/20/01
				MERCURY, Soil		7/20/01	7/20/01
				Percent Moisture			7/19/01

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
(603) 424-2022

Client: ENPRO
Project Name: Brown
Ship via: (circle one) Fed Ex., UPS, AMRO Courier, Hand Del., Other Courier. Other:

AMRO ID: 0107141
Date Rec.: 7/18/01
Date Due: 7/20/01

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?		✓		
2. Custody Seals present?		✓		
3. Custody Seals Intact?			✓	
4. Air Bill included in folder if received?			✓	
5. Is COC included with samples?	✓			
6. Is COC signed and dated by client?	✓			
7. Laboratory receipt temperature. TEMP = 6°				
Samples rec. with ice ✓ ice packs ___ neither ___				
8. Were samples received the same day they were sampled?	✓			
Is client temperature 4°C ± 2°C?	✓			
If no obtain authorization from the client for the analyses.				
Client authorization from: Date: Obtained by:				
9. Is the COC filled out correctly and completely?	✓			
10. Does the info on the COC match the samples?	✓			
11. Were samples rec. within holding time?	✓			
12. Were all samples properly labeled?	✓			
13. Were all samples properly preserved?	✓			
14. Were proper sample containers used?	✓			
15. Were all samples received intact? (none broken or leaking)	✓			
16. Were VOA vials rec. with no air bubbles?			✓	
17. Were the sample volumes sufficient for requested analysis?	✓			
18. Were all samples received?	✓			
19. VPH and VOA Soils only:			✓	
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?				
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?				
If NO then client must be faxed.				
Were vials provided by AMRO?				
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?				
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			✓	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	✓			
Dry Weight Log?	✓			
Client Log?			✓	
Composite Log?			✓	
Filtration Log?			✓	

Received By: NLM Date: 7-18-01 Logged in By: NLM Date: 7-18-01
Labeled By: 1 Date: 1 Checked By: MG Date: 7-19-01

005

NA= Not Applicable

ENPRO Services Inc.

12 Mulliken Way
Newburyport, MA 01950

3620

CHAIN OF CUSTODY RECORD

Job No.	Job Name	State
1379	Bow School	MA

Samplers *(Signature)*

MATRIX
Water - A
Soil/Solid-S
Waste-W
Other-O

Explain

Date	Time	Comp.	Grab	Sample Number	Type, Size, & No. of Containers		TCLP-Acidic	TCLP-Acidic					Remarks
7/18/01	9A	X		7 Composite Wells	1x8oz	S	X	X					RUSH Analysis - 48hr
													Hold TCLP pending TCLP results

Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*	Fax to (phone) (978) 465-2050	Send Results to:
	7/18/01 9 AM	7/18/01 11:00	Results needed ASAP	ENPRO Services, Inc. 12 Mulliken Way Newburyport, MA 01950 Attn: Geoff Bow
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*	PO# 7/30/69210	
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*	Laboratory Project No. 0107141	Remarks
Relinquished by: *(Signature)*	Date Time 7/18/01 1400	Received for Laboratory by: *(Signature)* Meeta Mardikar	Seal Intact? Yes No N/A	48-hr TAT

The Commonwealth of Massachusetts

Department of Environmental Protection

Division of Environmental Analysis

Senator William X. Wall Experiment Station

certifies

M-NH012

AMRO ENVIRONMENTAL LAB
111 HERRICK ST
MERRIMACK, NH 03054-0000

Laboratory Director: Nancy Stewart

for the analysis of NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (CHEMISTRY)

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.

Issued: 01 JUL 2001

Expires: 30 JUN 2002

Oscar C. Zaroba

Director, Division of Environmental Analysis

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 JUL 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2001 Expiration Date 30 JUN 2002

Analytes and Methods

ALUMINUM	EPA 200.7	NITRATE-N	EPA 353.2
ANTIMONY	EPA 200.7	KJELDAHL-N	EPA 351.1
ANTIMONY	EPA 204.2	KJELDAHL-N	EPA 351.2
ARSENIC	EPA 200.7	ORTHOPHOSPHATE	EPA 365.2
ARSENIC	EPA 206.2	ORTHOPHOSPHATE	EPA 300.0
ARSENIC	ASTM D2972-93(C)	TOTAL PHOSPHORUS	EPA 365.2
BERYLLIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	EPA 410.4
CADMIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	HACH METHOD 8000
CHROMIUM	EPA 200.7	BIOCHEMICAL OXYGEN DEMAND	EPA 405.1
COBALT	EPA 200.7	TOTAL CYANIDE	EPA 335.2
COPPER	EPA 200.7	NON-FILTERABLE RESIDUE	EPA 160.2
IRON	EPA 200.7	TOTAL RESIDUAL CHLORINE	SM 4500-CL-G
LEAD	EPA 200.7	OIL AND GREASE	EPA 413.1
LEAD	EPA 239.2	TOTAL PHENOLICS	EPA 420.1
MANGANESE	EPA 200.7	VOLATILE HALOCARBONS	EPA 624
MERCURY	EPA 245.1	VOLATILE AROMATICS	EPA 624
MOLYBDENUM	EPA 200.7	CHLORDANE	EPA 608
NICKEL	EPA 200.7	ALDRIN	EPA 608
SELENIUM	EPA 200.7	DIELDRIN	EPA 608
SELENIUM	EPA 270.2	DDD	EPA 608
SILVER	EPA 200.7	DDT	EPA 608
STRONTIUM	EPA 200.7	HEPTACHLOR	EPA 608
THALLIUM	EPA 200.7	HEPTACHLOR EPOXIDE	EPA 608
THALLIUM	EPA 279.2	POLYCHLORINATED BIPHENYLS (WATER)	EPA 608
ZINC	EPA 200.7	POLYCHLORINATED BIPHENYLS (OIL)	EPA 600/4-81-045
PH	EPA 150.1		
SPECIFIC CONDUCTIVITY	EPA 120.1		
TOTAL DISSOLVED SOLIDS	EPA 160.1		
TOTAL HARDNESS (CACO3)	EPA 200.7		
CALCIUM	EPA 200.7		
MAGNESIUM	EPA 200.7		
SODIUM	EPA 200.7		
POTASSIUM	EPA 200.7		
TOTAL ALKALINITY	EPA 310.1		
CHLORIDE	EPA 325.3		
CHLORIDE	EPA 300.0		
FLUORIDE	EPA 340.2		
FLUORIDE	EPA 300.0		
SULFATE	EPA 375.4		
SULFATE	EPA 300.0		
AMMONIA-N	EPA 350.2		
NITRATE-N	EPA 300.0		

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 JUL 2001

M- NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

POTABLE WATER (CHEMISTRY) Effective Date 09 JUL 2001 Expiration Date 30 JUN 2002

Analytes	Methods
ANTIMONY	EPA 200.9
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
LEAD	EPA 200.9
MERCURY	EPA 245.1
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	EPA 300.0
FLUORIDE	SM 4500-F-E
SULFATE	EPA 300.0
CYANIDE	SM 4500-CN-C,E
TURBIDITY	EPA 180.1
RESIDUAL FREE CHLORINE	SM 4500-CL-G
CALCIUM	EPA 200.7
TOTAL ALKALINITY	SM 2320B
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1

AMRO Environmental Laboratories Corporation

111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

July 31, 2001

Geoff Brown
ENPRO Services
12 Mulliken Way
Newburyport, MA 01950
TEL: (978) 465-1595
FAX: (978) 465-2050

RE: 1379 Brown School Order No.: 0107198

Dear Geoff Brown:

AMRO Environmental Laboratories Corp. received 1 sample on 7/25/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 12 pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart
Vice President / Lab Director

001

AMRO Environmental Laboratories Corp.

Date: *31-Jul-01*

CLIENT: ENPRO Services
Project: 1379 Brown School
Lab Order: 0107198
Date Received: 7/25/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0107198-01A	Boiler - Walls - N,S,E	7/24/01
0107198-01B	Boiler - Walls - N,S,E	7/24/01

AMRO Environmental Laboratories Corp. **Date:** *31-Jul-01*

CLIENT: ENPRO Services
Project: 1379 Brown School
Lab Order: 0107198

CASE NARRATIVE

MADEP-VPH

1. Sample 0107198-01A and the batch duplicate of the same sample had high recovery of the 2,5-Dibromotoluene surrogate spike due to matrix interference.

AMRO Environmental Laboratories Corp.

Date: *31-Jul-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boiler - Walls - N,S,E
Lab Order:	0107198		
Project:	1379 Brown School	**Collection Date:**	7/24/01
Lab ID:	0107198-01B	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **ADM**
Percent Moisture	4.8	0		wt%	1	7/26/01

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *31-Jul-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boiler - Walls - N,S,E
Lab Order:	0107198	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	7/24/01
Lab ID:	0107198-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS	**MAVPH**					Analyst: **JC**
C5-C8 Aliphatic Hydrocarbons	ND	2.5		mg/Kg-dry	1	7/30/01 6:39:00 PM
C9-C12 Aliphatic Hydrocarbons	2.1	0.62		mg/Kg-dry	1	7/30/01 6:39:00 PM
C9-C10 Aromatic Hydrocarbons	0.94	0.62		mg/Kg-dry	1	7/30/01 6:39:00 PM
Surr: 1,2-Dichloroethane-d4	95.3	70-130		%REC	1	7/30/01 6:39:00 PM
Surr: 2,5-Dibromotoluene	160	70-130	S	%REC	1	7/30/01 6:39:00 PM
Surr: 4-Bromofluorobenzene	113	70-130		%REC	1	7/30/01 6:39:00 PM
Surr: Dibromofluoromethane	110	70-130		%REC	1	7/30/01 6:39:00 PM
Surr: Toluene-d8	121	70-130		%REC	1	7/30/01 6:39:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ___ Yes ✓ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 7-31-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

Date: *31-Jul-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boiler - Walls - N,S,E
Lab Order:	0107198	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	7/24/01
Lab ID:	0107198-01B	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS	**MAEPH**					Analyst: **RKK**
C9-C18 Aliphatic Hydrocarbons	ND	52		mg/Kg-dry	1	7/30/01 7:40:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	52		mg/Kg-dry	1	7/30/01 7:40:00 PM
C11-C22 Aromatic Hydrocarbons	ND	52		mg/Kg-dry	1	7/30/01 7:40:00 PM
Naphthalene	ND	0.26		mg/Kg-dry	1	7/30/01 7:40:00 PM
2-Methylnaphthalene	ND	0.26		mg/Kg-dry	1	7/30/01 7:40:00 PM
Acenaphthene	ND	0.26		mg/Kg-dry	1	7/30/01 7:40:00 PM
Phenanthrene	ND	0.26		mg/Kg-dry	1	7/30/01 7:40:00 PM
Surr: 1-Chlorooctadecane	85.8	40-140		%REC	1	7/30/01 7:40:00 PM
Surr: 2-Bromonaphthalene	99.8	40-140		%REC	1	7/30/01 7:40:00 PM
Surr: 2-Fluorobiphenyl	94.3	40-140		%REC	1	7/30/01 7:40:00 PM
Surr: o-Terphenyl	76.4	40-140		%REC	1	7/30/01 7:40:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 7-31-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

31-Jul-01

Lab Order: 0107198
Client: ENPRO Services
Project: 1379 Brown School

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0107198-01A	Boiler - Walls - N,S,E	7/24/01	Soil	Volatile Petroleum Hydrocarbons		7/30/01	7/30/01
0107198-01B				EPH, Soil, 4 Diesel PAHs		7/26/01	7/30/01
				Percent Moisture			7/26/01

200

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
~~(603) 424-2022~~

Client: ENPRO
Project Name: 1379 BROWN SCHOOL
Ship via: (circle one) Fed Ex., UPS, AMRO Courier.
Hand Del., Other Courier. Other:

AMRO ID: 0107198
Date Rec.: 7-25-01
Date Due: 8-1-01

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?			✓	
2. Custody Seals present?			✓	
3. Custody Seals Intact?			✓	
4. Air Bill included in folder if received?			✓	
5. Is COC included with samples?	✓			
6. Is COC signed and dated by client?	✓			
7. Laboratory receipt temperature. TEMP = 6°				
Samples rec. with ice ✓ ice packs___ neither___				
8. Were samples received the same day they were sampled?		✓		
Is client temperature 4°C ± 2°C?	✓			
If no obtain authorization from the client for the analyses.				
Client authorization from: Date: Obtained by:				
9. Is the COC filled out correctly and completely?	✓			
10. Does the info on the COC match the samples?	✓			
11. Were samples rec. within holding time?	✓			
12. Were all samples properly labeled?	✓			
13. Were all samples properly preserved?	✓			
14. Were proper sample containers used?	✓			
15. Were all samples received intact? (none broken or leaking)	✓			
16. Were VOA vials rec. with no air bubbles?			✓	
17. Were the sample volumes sufficient for requested analysis?	✓			
18. Were all samples received?	✓			
19. VPH and VOA Soils only:	✓		✓	
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?	✓			
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?	✓			
If NO then client must be faxed.				
Were vials provided by AMRO?	✓			
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?	✓			
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			✓	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	✓			
Dry Weight Log?	✓			
Client Log?		✓		
Composite Log?			✓	
Filtration Log?			✓	

Received By: NLM Date: 7-25-01 Logged in By: CC Date: 7-25-01 008
Labeled By: CC Date: 7-25-01 Checked By: MG Date: 7-25-01

NA= Not Applicable

ENPRO Services Inc.

12 Mulliken Way
Newburyport, MA 01950

3560

CHAIN OF CUSTODY RECORD

Job No.	Job Name	State
1379	Brown School	MA

Samplers *(Signature)*

Date	Time	Comp.	Grab	Sample Number	Type, Size, & No. of Containers	MATRIX Water - A Soil/Solid-S Waste-W Other-O	Explain	EPH 4 Tanks	VPH 4 No Tanks					Remarks
7/24/01	2 pm	X		B6 lv - Well - N S E	1x 8oz, 3x VOA	S		X	X					

Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*
	7/24/01 4 pm	7/25/01 11:00
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*
Relinquished by: *(Signature)*	Date Time 7/25/01 11:30	Received for Laboratory by: *(Signature)*

☑ Fax to (phone)
(978) 465-2050
Results needed 3 d - TAT
PO# 68456

Laboratory Project No.
0107195

Seal Intact?
Yes No N/A

Send Results to:

ENPRO Services, Inc.
12 Mulliken Way
Newburyport, MA 01950
Attn: Geoff Brown

Remarks

The Commonwealth of Massachusetts

Department of Environmental Protection

Division of Environmental Analysis

Senator William X. Wall Experiment Station

certifies

M-NH012

AMRO ENVIRONMENTAL LAB
111 HERRICK ST
MERRIMACK, NH 03054-0000

Laboratory Director: Nancy Stewart

for the analysis of NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (CHEMISTRY)

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.

Issued: 01 JUL 2001

Expires: 30 JUN 2002

Director, Division of Environmental Analysis

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 JUL 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2001 Expiration Date 30 JUN 2002

Analytes and Methods

ALUMINUM	EPA 200.7	NITRATE-N	EPA 353.2
ANTIMONY	EPA 200.7	KJELDAHL-N	EPA 351.1
ANTIMONY	EPA 204.2	KJELDAHL-N	EPA 351.2
ARSENIC	EPA 200.7	ORTHOPHOSPHATE	EPA 365.2
ARSENIC	EPA 206.2	ORTHOPHOSPHATE	EPA 300.0
ARSENIC	ASTM D2972-93(C)	TOTAL PHOSPHORUS	EPA 365.2
BERYLLIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	EPA 410.4
CADMIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	HACH METHOD 8000
CHROMIUM	EPA 200.7	BIOCHEMICAL OXYGEN DEMAND	EPA 405.1
COBALT	EPA 200.7	TOTAL CYANIDE	EPA 335.2
COPPER	EPA 200.7	NON-FILTERABLE RESIDUE	EPA 160.2
IRON	EPA 200.7	TOTAL RESIDUAL CHLORINE	SM 4500-CL-G
LEAD	EPA 200.7	OIL AND GREASE	EPA 413.1
LEAD	EPA 239.2	TOTAL PHENOLICS	EPA 420.1
MANGANESE	EPA 200.7	VOLATILE HALOCARBONS	EPA 624
MERCURY	EPA 245.1	VOLATILE AROMATICS	EPA 624
MOLYBDENUM	EPA 200.7	CHLORDANE	EPA 608
NICKEL	EPA 200.7	ALDRIN	EPA 608
SELENIUM	EPA 200.7	DIELDRIN	EPA 608
SELENIUM	EPA 270.2	DDD	EPA 608
SILVER	EPA 200.7	DDT	EPA 608
STRONTIUM	EPA 200.7	HEPTACHLOR	EPA 608
THALLIUM	EPA 200.7	HEPTACHLOR EPOXIDE	EPA 608
THALLIUM	EPA 279.2	POLYCHLORINATED BIPHENYLS (WATER)	EPA 608
ZINC	EPA 200.7	POLYCHLORINATED BIPHENYLS (OIL)	EPA 600/4-81-045
PH	EPA 150.1		
SPECIFIC CONDUCTIVITY	EPA 120.1		
TOTAL DISSOLVED SOLIDS	EPA 160.1		
TOTAL HARDNESS (CACO3)	EPA 200.7		
CALCIUM	EPA 200.7		
MAGNESIUM	EPA 200.7		
SODIUM	EPA 200.7		
POTASSIUM	EPA 200.7		
TOTAL ALKALINITY	EPA 310.1		
CHLORIDE	EPA 325.3		
CHLORIDE	EPA 300.0		
FLUORIDE	EPA 340.2		
FLUORIDE	EPA 300.0		
SULFATE	EPA 375.4		
SULFATE	EPA 300.0		
AMMONIA-N	EPA 350.2		
NITRATE-N	EPA 300.0		

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 JUL 2001

M- NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

POTABLE WATER (CHEMISTRY) Effective Date 09 JUL 2001 Expiration Date 30 JUN 2002

Analytes	Methods
ANTIMONY	EPA 200.9
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
LEAD	EPA 200.9
MERCURY	EPA 245.1
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	EPA 300.0
FLUORIDE	SM 4500-F-E
SULFATE	EPA 300.0
CYANIDE	SM 4500-CN-C,E
TURBIDITY	EPA 180.1
RESIDUAL FREE CHLORINE	SM 4500-CL-G
CALCIUM	EPA 200.7
TOTAL ALKALINITY	SM 2320B
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1

AMRO Environmental Laboratories Corporation

111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

August 06, 2001

Geoff Brown
ENPRO Services
12 Mulliken Way
Newburyport, MA 01950
TEL: (978) 465-1595
FAX: (978) 465-2050

RE: 1379 Brown School

Order No.: 0107249

Dear Geoff Brown:

AMRO Environmental Laboratories Corp. received 3 samples on 7/30/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of ____ pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart
Vice President / Lab Director

AMRO Environmental Laboratories Corp.

Date: *06-Aug-01*

CLIENT: ENPRO Services
Project: 1379 Brown School
Lab Order: 0107249
Date Received: 7/30/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0107249-01A	Boiler-Bottom-8'	7/25/01
0107249-02A	Catch Basin-W, S Wall	7/27/01
0107249-02B	Catch Basin-W, S Wall	7/27/01
0107249-03A	Catch Basin-N Wall	7/27/01
0107249-03B	Catch Basin-N Wall	7/27/01

AMRO Environmental Laboratories Corp. **Date:** *06-Aug-01*

CLIENT: ENPRO Services
Project: 1379 Brown School
Lab Order: 0107249

CASE NARRATIVE

MADEP-EPH

1. The batch LCS had a low recovery of n-nonane, a non-target range component.

AMRO Environmental Laboratories Corp.

Date: *06-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boiler-Bottom-8'
Lab Order:	0107249		
Project:	1379 Brown School	**Collection Date:**	7/25/01
Lab ID:	0107249-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: JP
Percent Moisture	15.3	0		wt%	1	7/31/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *06-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Catch Basin-W, S Wall
Lab Order:	0107249		
Project:	1379 Brown School	**Collection Date:**	7/27/01
Lab ID:	0107249-02A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	**D2216**					Analyst: JP
Percent Moisture	3.5	0		wt%	1	7/31/01

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *06-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Catch Basin-N Wall
Lab Order:	0107249		
Project:	1379 Brown School	**Collection Date:**	7/27/01
Lab ID:	0107249-03A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	**D2216**					Analyst: JP
Percent Moisture	4.6	0		wt%	1	7/31/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *06-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Catch Basin-W, S Wall
Lab Order:	0107249	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	7/27/01
Lab ID:	0107249-02B	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS		**MAVPH**				Analyst: **SK**
C5-C8 Aliphatic Hydrocarbons	ND	2.7		mg/Kg-dry	1	8/6/01 2:57:00 PM
C9-C12 Aliphatic Hydrocarbons	ND	0.69		mg/Kg-dry	1	8/6/01 2:57:00 PM
C9-C10 Aromatic Hydrocarbons	ND	0.69		mg/Kg-dry	1	8/6/01 2:57:00 PM
Surr: 1,2-Dichloroethane-d4	94.3	70-130		%REC	1	8/6/01 2:57:00 PM
Surr: 2,5-Dibromotoluene	102	70-130		%REC	1	8/6/01 2:57:00 PM
Surr: 4-Bromofluorobenzene	99.9	70-130		%REC	1	8/6/01 2:57:00 PM
Surr: Dibromofluoromethane	104	70-130		%REC	1	8/6/01 2:57:00 PM
Surr: Toluene-d8	97.3	70-130		%REC	1	8/6/01 2:57:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 8-9-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

Date: *06-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Catch Basin-N Wall
Lab Order:	0107249	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	7/27/01
Lab ID:	0107249-03B	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS		**MAVPH**				Analyst: **SK**
C5-C8 Aliphatic Hydrocarbons	ND	3.3		mg/Kg-dry	1	8/6/01 3:32:00 PM
C9-C12 Aliphatic Hydrocarbons	2.0	0.82		mg/Kg-dry	1	8/6/01 3:32:00 PM
C9-C10 Aromatic Hydrocarbons	5.5	0.82		mg/Kg-dry	1	8/6/01 3:32:00 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	1	8/6/01 3:32:00 PM
Surr: 2,5-Dibromotoluene	107	70-130		%REC	1	8/6/01 3:32:00 PM
Surr: 4-Bromofluorobenzene	101	70-130		%REC	1	8/6/01 3:32:00 PM
Surr: Dibromofluoromethane	107	70-130		%REC	1	8/6/01 3:32:00 PM
Surr: Toluene-d8	96.9	70-130		%REC	1	8/6/01 3:32:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

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AMRO Environmental Laboratories Corp.

Date: *06-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boiler-Bottom-8'
Lab Order:	0107249	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	7/25/01
Lab ID:	0107249-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS	**MAEPH**					Analyst: **RKK**
C9-C18 Aliphatic Hydrocarbons	ND	57		mg/Kg-dry	1	8/2/01 6:27:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	57		mg/Kg-dry	1	8/2/01 6:27:00 PM
C11-C22 Aromatic Hydrocarbons	ND	57		mg/Kg-dry	1	8/2/01 6:27:00 PM
Naphthalene	ND	0.29		mg/Kg-dry	1	8/2/01 6:27:00 PM
2-Methylnaphthalene	ND	0.29		mg/Kg-dry	1	8/2/01 6:27:00 PM
Acenaphthene	ND	0.29		mg/Kg-dry	1	8/2/01 6:27:00 PM
Phenanthrene	ND	0.29		mg/Kg-dry	1	8/2/01 6:27:00 PM
Surr: 1-Chlorooctadecane	81.8	40-140		%REC	1	8/2/01 6:27:00 PM
Surr: 2-Bromonaphthalene	108	40-140		%REC	1	8/2/01 6:27:00 PM
Surr: 2-Fluorobiphenyl	103	40-140		%REC	1	8/2/01 6:27:00 PM
Surr: o-Terphenyl	75.9	40-140		%REC	1	8/2/01 6:27:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

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PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

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AMRO Environmental Laboratories Corp.

Date: *06-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Catch Basin-W, S Wall
Lab Order:	0107249	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	7/27/01
Lab ID:	0107249-02A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH						Analyst: **RKK**
C9-C18 Aliphatic Hydrocarbons	ND	51		mg/Kg-dry	1	8/2/01 7:38:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	51		mg/Kg-dry	1	8/2/01 7:38:00 PM
C11-C22 Aromatic Hydrocarbons	ND	51		mg/Kg-dry	1	8/2/01 7:38:00 PM
Naphthalene	ND	0.25		mg/Kg-dry	1	8/2/01 7:38:00 PM
2-Methylnaphthalene	ND	0.25		mg/Kg-dry	1	8/2/01 7:38:00 PM
Acenaphthene	ND	0.25		mg/Kg-dry	1	8/2/01 7:38:00 PM
Phenanthrene	ND	0.25		mg/Kg-dry	1	8/2/01 7:38:00 PM
Surr: 1-Chlorooctadecane	60.2	40-140		%REC	1	8/2/01 7:38:00 PM
Surr: 2-Bromonaphthalene	103	40-140		%REC	1	8/2/01 7:38:00 PM
Surr: 2-Fluorobiphenyl	101	40-140		%REC	1	8/2/01 7:38:00 PM
Surr: o-Terphenyl	67.2	40-140		%REC	1	8/2/01 7:38:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

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AMRO Environmental Laboratories Corp.

Date: *06-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Catch Basin-N Wall
Lab Order:	0107249	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	7/27/01
Lab ID:	0107249-03A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS	**MAEPH**					Analyst: **RKK**
C9-C18 Aliphatic Hydrocarbons	84	51		mg/Kg-dry	1	8/2/01 8:50:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	51		mg/Kg-dry	1	8/2/01 8:50:00 PM
C11-C22 Aromatic Hydrocarbons	ND	51		mg/Kg-dry	1	8/2/01 8:50:00 PM
Naphthalene	ND	0.26		mg/Kg-dry	1	8/2/01 8:50:00 PM
2-Methylnaphthalene	ND	0.26		mg/Kg-dry	1	8/2/01 8:50:00 PM
Acenaphthene	ND	0.26		mg/Kg-dry	1	8/2/01 8:50:00 PM
Phenanthrene	ND	0.26		mg/Kg-dry	1	8/2/01 8:50:00 PM
Surr: 1-Chlorooctadecane	79.2	40-140		%REC	1	8/2/01 8:50:00 PM
Surr: 2-Bromonaphthalene	106	40-140		%REC	1	8/2/01 8:50:00 PM
Surr: 2-Fluorobiphenyl	99.3	40-140		%REC	1	8/2/01 8:50:00 PM
Surr: o-Terphenyl	73.4	40-140		%REC	1	8/2/01 8:50:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

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B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

06-Aug-01

Lab Order: 0107249
Client: ENPRO Services
Project: 1379 Brown School

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0107249-01A	Boiler-Bottom-8'	7/25/01	Soil	EPH, Soil, 4 Diesel PAHs		8/1/01	8/2/01
				Percent Moisture			7/31/01
0107249-02A	Catch Basin-W, S Wall	7/27/01		EPH, Soil, 4 Diesel PAHs		8/1/01	8/2/01
				Percent Moisture			7/31/01
0107249-02B				Volatile Petroleum Hydrocarbons		7/27/01	8/6/01
0107249-03A	Catch Basin-N Wall			EPH, Soil, 4 Diesel PAHs		8/1/01	8/2/01
				Percent Moisture			7/31/01
0107249-03B				Volatile Petroleum Hydrocarbons		7/27/01	8/6/01

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
~~(603) 424-2022~~

Client: ENPRO
Project Name: Brown School
Ship via: (circle one) Fed Ex., UPS, AMRO Courier, Hand Del., Other Courier, Other

AMRO ID: 0107249
Date Rec.: 7-30-01
Date Due: 8-6-01

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?		✓		
2. Custody Seals present?		✓		
3. Custody Seals Intact?			✓	
4. Air Bill included in folder if received?			✓	
5. Is COC included with samples?	✓			
6. Is COC signed and dated by client?	✓			
7. Laboratory receipt temperature. TEMP = 3°				
Samples rec. with ice ✓ ice packs ___ neither ___				
8. Were samples received the same day they were sampled?		✓		
Is client temperature 4°C ± 2°C?	✓			
If no obtain authorization from the client for the analyses.				
Client authorization from: Date: Obtained by:				
9. Is the COC filled out correctly and completely?	✓			
10. Does the info on the COC match the samples?	✓			
11. Were samples rec. within holding time?	✓			
12. Were all samples properly labeled?	✓			
13. Were all samples properly preserved?	✓			
14. Were proper sample containers used?	✓			
15. Were all samples received intact? (none broken or leaking)	✓			
16. Were VOA vials rec. with no air bubbles?			✓	
17. Were the sample volumes sufficient for requested analysis?	✓			
18. Were all samples received?	✓			
19. VPH and VOA Soils only:				
Sampling Method VPH (circle one): (M)=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?	✓			
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?	✓			
If NO then client must be faxed.				
Were vials provided by AMRO?	✓			
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?	✓			
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			✓	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	✓			
Dry Weight Log?	✓			
Client Log?			✓	
Composite Log?			✓	
Filtration Log?			✓	

Received By: CC Date: 7-30-01 Logged in By: NLM Date: 7-31-01
Labeled By: NLM Date: 7-31-01 Checked By: MG Date: 7-31-01

013

NA= Not Applicable

qc/qcmemos/forms/samplerec Rev.18 06/00

ENPRO Services Inc.

12 Mulliken Way
Newburyport, MA 01950

3561

CHAIN OF CUSTODY RECORD

Job No.	Job Name	State
1379	Bro... Sch...	

Samplers *(Signature)*

MATRIX: Water - A, Soil/Solid-S, Waste-W, Other-O

Explain

Date	Time	Comp.	Grab	Sample Number	Type, Size, & No. of Containers	GRW + 4 Tox 6	VOA + No Tox 5	Remarks
7/27/01	10 AM	X		Bldg - Basin - 8'	1 x Soil	S	X	
7/27/01	10 AM	X		Cable Bldg - W S Basin	1 x Jar 2 x VOA	S	X X	
7/27/01	3 PM	X		Cable Bldg - N Basin	1 x Jar 2 x VOA	S	X X	

Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*
	7/27/01 4 PM	7/30/01 15:00
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*
Relinquished by: *(Signature)*	Date Time 1632 7/30/01	Received for Laboratory by *(Signature)*

☐ Fax to (phone) (978) 465-2050

Results needed 3 day TAT

PO# 68457

Laboratory Project No. 0107249

Seal Intact? Yes No N/A

Send Results to:

ENPRO Services, Inc.
12 Mulliken Way
Newburyport, MA 01950
Attn: Gail Bra...

Remarks

The Commonwealth of Massachusetts

Department of Environmental Protection

Division of Environmental Analysis

Senator William X. Wall Experiment Station

certifies

M-NH012

AMRO ENVIRONMENTAL LAB
111 HERRICK ST
MERRIMACK, NH 03054-0000

Laboratory Director: Nancy Stewart

for the analysis of NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (CHEMISTRY)

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.

Issued: 01 JUL 2001

Expires: 30 JUN 2002

Oscar C. Jacobs

Director, Division of Environmental Analysis

01

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 JUL 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY) **Effective Date** **01 JUL 2001** **Expiration Date** **30 JUN 2002**

Analytes and Methods

ALUMINUM	EPA 200.7	NITRATE-N	EPA 353.2
ANTIMONY	EPA 200.7	KJELDAHL-N	EPA 351.1
ANTIMONY	EPA 204.2	KJELDAHL-N	EPA 351.2
ARSENIC	EPA 200.7	ORTHOPHOSPHATE	EPA 365.2
ARSENIC	EPA 206.2	ORTHOPHOSPHATE	EPA 300.0
ARSENIC	ASTM D2972-93(C)	TOTAL PHOSPHORUS	EPA 365.2
BERYLLIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	EPA 410.4
CADMIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	HACH METHOD 8000
CHROMIUM	EPA 200.7	BIOCHEMICAL OXYGEN DEMAND	EPA 405.1
COBALT	EPA 200.7	TOTAL CYANIDE	EPA 335.2
COPPER	EPA 200.7	NON-FILTERABLE RESIDUE	EPA 160.2
IRON	EPA 200.7	TOTAL RESIDUAL CHLORINE	SM 4500-CL-G
LEAD	EPA 200.7	OIL AND GREASE	EPA 413.1
LEAD	EPA 239.2	TOTAL PHENOLICS	EPA 420.1
MANGANESE	EPA 200.7	VOLATILE HALOCARBONS	EPA 624
MERCURY	EPA 245.1	VOLATILE AROMATICS	EPA 624
MOLYBDENUM	EPA 200.7	CHLORDANE	EPA 608
NICKEL	EPA 200.7	ALDRIN	EPA 608
SELENIUM	EPA 200.7	DIELDRIN	EPA 608
SELENIUM	EPA 270.2	DDD	EPA 608
SILVER	EPA 200.7	DDT	EPA 608
STRONTIUM	EPA 200.7	HEPTACHLOR	EPA 608
THALLIUM	EPA 200.7	HEPTACHLOR EPOXIDE	EPA 608
THALLIUM	EPA 279.2	POLYCHLORINATED BIPHENYLS (WATER)	EPA 608
ZINC	EPA 200.7	POLYCHLORINATED BIPHENYLS (OIL)	EPA 600/4-81-045
PH	EPA 150.1		
SPECIFIC CONDUCTIVITY	EPA 120.1		
TOTAL DISSOLVED SOLIDS	EPA 160.1		
TOTAL HARDNESS (CACO3)	EPA 200.7		
CALCIUM	EPA 200.7		
MAGNESIUM	EPA 200.7		
SODIUM	EPA 200.7		
POTASSIUM	EPA 200.7		
TOTAL ALKALINITY	EPA 310.1		
CHLORIDE	EPA 325.3		
CHLORIDE	EPA 300.0		
FLUORIDE	EPA 340.2		
FLUORIDE	EPA 300.0		
SULFATE	EPA 375.4		
SULFATE	EPA 300.0		
AMMONIA-N	EPA 350.2		
NITRATE-N	EPA 300.0		

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 JUL 2001

M- NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

POTABLE WATER (CHEMISTRY) | Effective Date 09 JUL 2001 | Expiration Date 30 JUN 2002

Analytes	Methods
ANTIMONY	EPA 200.9
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
LEAD	EPA 200.9
MERCURY	EPA 245.1
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	EPA 300.0
FLUORIDE	SM 4500-F-E
SULFATE	EPA 300.0
CYANIDE	SM 4500-CN-C,E
TURBIDITY	EPA 180.1
RESIDUAL FREE CHLORINE	SM 4500-CL-G
CALCIUM	EPA 200.7
TOTAL ALKALINITY	SM 2320B
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1

AMRO Environmental Laboratories Corporation

111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

August 15, 2001

Geoff Brown
ENPRO Services
12 Mulliken Way
Newburyport, MA 01950
TEL: (978) 465-1595
FAX: (978) 465-2050

RE: 1379 Brown School Order No.: 0108062

Dear Geoff Brown:

AMRO Environmental Laboratories Corp. received 1 sample on 8/8/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 12 pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart
Vice President / Lab Director

AMRO Environmental Laboratories Corp.

Date: *15-Aug-01*

CLIENT: ENPRO Services
Project: 1379 Brown School
Lab Order: 0108062
Date Received: 8/8/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0108062-01A	Boiler - West Wall	8/3/01
0108062-01B	Boiler - West Wall	8/3/01

AMRO Environmental Laboratories Corp.

Date: *15-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boiler - West Wall
Lab Order:	0108062		
Project:	1379 Brown School	**Collection Date:**	8/3/01
Lab ID:	0108062-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **ADM**
Percent Moisture	5.0	0		wt%	1	8/9/01

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *15-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boiler - West Wall
Lab Order:	0108062	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	8/3/01
Lab ID:	0108062-01B	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS		**MAVPH**				Analyst: **SK**
C5-C8 Aliphatic Hydrocarbons	ND	3.5		mg/Kg-dry	1	8/10/01 10:07:00 PM
C9-C12 Aliphatic Hydrocarbons	2.9	0.87		mg/Kg-dry	1	8/10/01 10:07:00 PM
C9-C10 Aromatic Hydrocarbons	4.4	0.87		mg/Kg-dry	1	8/10/01 10:07:00 PM
Surr: 1,2-Dichloroethane-d4	100	70-130		%REC	1	8/10/01 10:07:00 PM
Surr: 2,5-Dibromotoluene	102	70-130		%REC	1	8/10/01 10:07:00 PM
Surr: 4-Bromofluorobenzene	97.4	70-130		%REC	1	8/10/01 10:07:00 PM
Surr: Dibromofluoromethane	117	70-130		%REC	1	8/10/01 10:07:00 PM
Surr: Toluene-d8	110	70-130		%REC	1	8/10/01 10:07:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 8-15-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

Date: *15-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Boiler - West Wall
Lab Order:	0108062	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	8/3/01
Lab ID:	0108062-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH						Analyst: **RKK**
C9-C18 Aliphatic Hydrocarbons	ND	52		mg/Kg-dry	1	8/10/01 6:45:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	52		mg/Kg-dry	1	8/10/01 6:45:00 PM
C11-C22 Aromatic Hydrocarbons	ND	52		mg/Kg-dry	1	8/10/01 6:45:00 PM
Naphthalene	ND	0.26		mg/Kg-dry	1	8/10/01 6:45:00 PM
2-Methylnaphthalene	ND	0.26		mg/Kg-dry	1	8/10/01 6:45:00 PM
Acenaphthene	ND	0.26		mg/Kg-dry	1	8/10/01 6:45:00 PM
Phenanthrene	ND	0.26		mg/Kg-dry	1	8/10/01 6:45:00 PM
Surr: 1-Chlorooctadecane	56.1	40-140		%REC	1	8/10/01 6:45:00 PM
Surr: 2-Bromonaphthalene	105	40-140		%REC	1	8/10/01 6:45:00 PM
Surr: 2-Fluorobiphenyl	92.8	40-140		%REC	1	8/10/01 6:45:00 PM
Surr: o-Terphenyl	66.2	40-140		%REC	1	8/10/01 6:45:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 8-15-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

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J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corporation
111 Herrick Street
Merrimack, NH 03054

Volatile Petroleum Hydrocarbons (VPH)
Massachusetts Department of Environmental Protection (MADEP)
Method 1.0 - January 1998
AMRO Modifications

This modification is based on the use of a purge and trap gas chromatography mass spectrometer (GC/MS) system to analyze samples for VPH. The hydrocarbon ranges are quantified using predominant mass fragmentation ions which are characteristic for the range being measured. This approach eliminates potential false positives for the target analytes while providing accurate hydrocarbon range data.

The chromatographic column is an HP-624 capillary column which has been validated by GC/MS analysis of a gasoline standard to correctly identify the marker compounds and elution order of specific gasoline components. Batch quality control includes, at a minimum, method blank, laboratory control sample, and duplicate analysis. A matrix spike and/or matrix spike duplicate is analyzed if sufficient sample is submitted to the laboratory.

The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic ranges is approximately 0.6-2.8 mg/kg in soil and 25-110 µg/L in water. The RL of this method for the target analytes ranges from approximately 0.05-0.13 mg/kg in soil and 2.0-5.0 µg/L for water samples.

Extractable Petroleum Hydrocarbons (EPH)
Massachusetts Department of Environmental Protection (MADEP)
Method 1.0 - January 1998
AMRO Modifications

This modification is based on a solvent extraction and gas chromatography mass spectrometer (GC/MS) analysis. The hydrocarbon ranges are quantified using predominant mass fragmentation ions which are characteristic for the range being measured. This approach eliminates the silica gel solid-phase fractionation step. False positives for targeted PAH analytes are eliminated by using GC/MS as the primary analysis technique.

The chromatographic column is a J&W Scientific DB-5ms capillary column.
Internal standard calibration is performed using 5α-Androstane at a concentration of 40 ng/µL. o-Terphenyl and 1-Chlorooctadecane are added as surrogate compounds at 20 ng/µL in the sample extract. These two surrogates monitor the effects of the sample matrix and extraction efficiency. Two additional surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, are added to the finished extract prior to analysis to monitor instrument performance. Batch quality control includes, at a minimum, a procedure blank, laboratory control sample and duplicate sample analysis. A matrix spike is analyzed if sufficient sample is submitted to the laboratory.

The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic ranges is approximately 2-15 mg/kg in soil and 10-50 µg/L in water. The RL of this method for the Target PAH analytes ranges from approximately 0.25 to 0.5mg/kg in soil; 1.0µg/L for water when operating the GC/MS in full scan mode, and 0.1 to 1.0µg/L when operating the GC/MS in SIM mode. For sites requiring the lowest levels cited in the Massachusetts Contingency Plan for water, GC/MS in the Selected Ion Monitoring (SIM) mode is used.

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
~~(603) 424-2022~~

Client: ENPRO
Project Name: Brown School
Ship via: (circle one) Fed Ex., UPS, AMRO Courier, Hand Del., Other Courier, Other:

AMRO ID: 0108062
Date Rec.: 8-8-01
Date Due: 8-15-01

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?		✓		
2. Custody Seals present?		✓		
3. Custody Seals Intact?			✓	
4. Air Bill included in folder if received?			✓	
5. Is COC included with samples?	✓			
6. Is COC signed and dated by client?	✓			
7. Laboratory receipt temperature. TEMP = 3°				
Samples rec. with ice ✓ ice packs ___ neither ___				
8. Were samples received the same day they were sampled?		✓		
Is client temperature 4°C ± 2°C?	✓			
If no obtain authorization from the client for the analyses.				
Client authorization from: Date: Obtained by:				
9. Is the COC filled out correctly and completely?	✓			
10. Does the info on the COC match the samples?	✓			
11. Were samples rec. within holding time?	✓			
12. Were all samples properly labeled?	✓			
13. Were all samples properly preserved?	✓			
14. Were proper sample containers used?	✓			
15. Were all samples received intact? (none broken or leaking)	✓			
16. Were VOA vials rec. with no air bubbles?			✓	
17. Were the sample volumes sufficient for requested analysis?	✓			
18. Were all samples received?	✓			
19. VPH and VOA Soils only:				
Sampling Method VPH (circle one): (M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?	✓			
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?	✓			
If NO then client must be faxed.				
Were vials provided by AMRO?	✓			
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?	✓			
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			✓	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	✓			
Dry Weight Log?	✓			
Client Log?			✓	
Composite Log?			✓	
Filtration Log?			✓	

Received By: CC Date: 8-8-01 Logged in By: NLM Date: 8-8-01
Labeled By: NLM Date: 8-8-01 Checked By: MG Date: 8-8-01

NA= Not Applicable

ENPRO Services Inc.

12 Mulliken Way
Newburyport, MA 01950

112 3565

CHAIN OF CUSTODY RECORD

Job No.	Job Name	State
1379	Brown School	MA

Samplers *(Signature)*

Date	Time	Comp.	Grab	Sample Number	Type, Size, & No. of Containers	MATRIX Water - A Soil/Solid-S Waste-W Other-O	EPA 1 (Trip blank)	VOA (Trip blank)					Remarks
8/3/01	1Pm	X		Boiler - west wall	1x80z 2x VOA	S	X	X					

Explain

Relinquished by: *(Signature)*	Date Time 8/8/01 1540	Received by *(Signature)*	☑ Fax to (phone) (978) 465-2050	Send Results to: ENPRO Services, Inc. 12 Mulliken Way Newburyport, MA 01950 Attn: Gail Brown
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*	Results needed Standard 5-day PO# 68790	
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*	Laboratory Project No. 010806Z	Remarks
Relinquished by: *(Signature)*	Date Time 8/8/01 1525	Received for Laboratory by: *(Signature)*	Seal Intact? Yes No N/A	

The Commonwealth of Massachusetts

Department of Environmental Protection

Division of Environmental Analysis

Senator William X. Wall Experiment Station

certifies

M-NH012

AMRO ENVIRONMENTAL LAB
111 HERRICK ST
MERRIMACK, NH 03054-0000

Laboratory Director: Nancy Stewart

for the analysis of NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (CHEMISTRY)

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.

Issued: 01 JUL 2001

Expires: 30 JUN 2002

Oscar C. Jacobs

Director, Division of Environmental Analysis

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 JUL 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2001 Expiration Date 30 JUN 2002

Analytes and Methods

ALUMINUM	EPA 200.7	NITRATE-N	EPA 353.2
ANTIMONY	EPA 200.7	KJELDAHL-N	EPA 351.1
ANTIMONY	EPA 204.2	KJELDAHL-N	EPA 351.2
ARSENIC	EPA 200.7	ORTHOPHOSPHATE	EPA 365.2
ARSENIC	EPA 206.2	ORTHOPHOSPHATE	EPA 300.0
ARSENIC	ASTM D2972-93(C)	TOTAL PHOSPHORUS	EPA 365.2
BERYLLIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	EPA 410.4
CADMIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	HACH METHOD 8000
CHROMIUM	EPA 200.7	BIOCHEMICAL OXYGEN DEMAND	EPA 405.1
COBALT	EPA 200.7	TOTAL CYANIDE	EPA 335.2
COPPER	EPA 200.7	NON-FILTERABLE RESIDUE	EPA 160.2
IRON	EPA 200.7	TOTAL RESIDUAL CHLORINE	SM 4500-CL-G
LEAD	EPA 200.7	OIL AND GREASE	EPA 413.1
LEAD	EPA 239.2	TOTAL PHENOLICS	EPA 420.1
MANGANESE	EPA 200.7	VOLATILE HALOCARBONS	EPA 624
MERCURY	EPA 245.1	VOLATILE AROMATICS	EPA 624
MOLYBDENUM	EPA 200.7	CHLORDANE	EPA 608
NICKEL	EPA 200.7	ALDRIN	EPA 608
SELENIUM	EPA 200.7	DIELDRIN	EPA 608
SELENIUM	EPA 270.2	DDD	EPA 608
SILVER	EPA 200.7	DDT	EPA 608
STRONTIUM	EPA 200.7	HEPTACHLOR	EPA 608
THALLIUM	EPA 200.7	HEPTACHLOR EPOXIDE	EPA 608
THALLIUM	EPA 279.2	POLYCHLORINATED BIPHENYLS (WATER)	EPA 608
ZINC	EPA 200.7	POLYCHLORINATED BIPHENYLS (OIL)	EPA 600/4-81-045
PH	EPA 150.1		
SPECIFIC CONDUCTIVITY	EPA 120.1		
TOTAL DISSOLVED SOLIDS	EPA 160.1		
TOTAL HARDNESS (CACO3)	EPA 200.7		
CALCIUM	EPA 200.7		
MAGNESIUM	EPA 200.7		
SODIUM	EPA 200.7		
POTASSIUM	EPA 200.7		
TOTAL ALKALINITY	EPA 310.1		
CHLORIDE	EPA 325.3		
CHLORIDE	EPA 300.0		
FLUORIDE	EPA 340.2		
FLUORIDE	EPA 300.0		
SULFATE	EPA 375.4		
SULFATE	EPA 300.0		
AMMONIA-N	EPA 350.2		
NITRATE-N	EPA 300.0		

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 JUL 2001

M- NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

POTABLE WATER (CHEMISTRY) Effective Date 09 JUL 2001 Expiration Date 30 JUN 2002

Analytes	Methods
ANTIMONY	EPA 200.9
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
LEAD	EPA 200.9
MERCURY	EPA 245.1
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	EPA 300.0
FLUORIDE	SM 4500-F-E
SULFATE	EPA 300.0
CYANIDE	SM 4500-CN-C,E
TURBIDITY	EPA 180.1
RESIDUAL FREE CHLORINE	SM 4500-CL-G
CALCIUM	EPA 200.7
TOTAL ALKALINITY	SM 2320B
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1

AMRO Environmental Laboratories Corporation

111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

August 15, 2001

Geoff Brown
ENPRO Services
12 Mulliken Way
Newburyport, MA 01950
TEL: (978) 465-1595
FAX: (978) 465-2050

RE: 1379 Brown School Order No.: 0108063

Dear Geoff Brown:

AMRO Environmental Laboratories Corp. received 2 samples on 8/8/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 13 pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart
Vice President / Lab Director

AMRO Environmental Laboratories Corp.

Date: *15-Aug-01*

CLIENT:	ENPRO Services
Project:	1379 Brown School
Lab Order:	0108063
Date Received:	8/8/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0108063-01A	Exterior - Bottom	8/6/01
0108063-02A	Exterior - Side wall	8/6/01

AMRO Environmental Laboratories Corp.

Date: *15-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Exterior - Bottom
Lab Order:	0108063		
Project:	1379 Brown School	**Collection Date:**	8/6/01
Lab ID:	0108063-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **ADM**
Percent Moisture	4.7	0		wt%	1	8/9/01

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- H - Method prescribed holding time exceeded
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- # - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *15-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Exterior - Side wall
Lab Order:	0108063		
Project:	1379 Brown School	**Collection Date:**	8/6/01
Lab ID:	0108063-02A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **ADM**
Percent Moisture	6.5	0		wt%	1	8/9/01

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

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R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *15-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Exterior - Bottom
Lab Order:	0108063	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	8/6/01
Lab ID:	0108063-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH						Analyst: **RKK**
C9-C18 Aliphatic Hydrocarbons	ND	51		mg/Kg-dry	1	8/13/01 10:54:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	51		mg/Kg-dry	1	8/13/01 10:54:00 PM
C11-C22 Aromatic Hydrocarbons	ND	51		mg/Kg-dry	1	8/13/01 10:54:00 PM
Naphthalene	ND	0.26		mg/Kg-dry	1	8/13/01 10:54:00 PM
2-Methylnaphthalene	ND	0.26		mg/Kg-dry	1	8/13/01 10:54:00 PM
Acenaphthene	ND	0.26		mg/Kg-dry	1	8/13/01 10:54:00 PM
Phenanthrene	ND	0.26		mg/Kg-dry	1	8/13/01 10:54:00 PM
Surr: 1-Chlorooctadecane	53.1	40-140		%REC	1	8/13/01 10:54:00 PM
Surr: 2-Bromonaphthalene	61.0	40-140		%REC	1	8/13/01 10:54:00 PM
Surr: 2-Fluorobiphenyl	64.2	40-140		%REC	1	8/13/01 10:54:00 PM
Surr: o-Terphenyl	46.2	40-140		%REC	1	8/13/01 10:54:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: √ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: √ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No √ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 8-15-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

Date: *15-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Exterior - Side wall
Lab Order:	0108063	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	8/6/01
Lab ID:	0108063-02A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH						Analyst: RKK
C9-C18 Aliphatic Hydrocarbons	ND	53		mg/Kg-dry	1	8/10/01 8:32:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	53		mg/Kg-dry	1	8/10/01 8:32:00 PM
C11-C22 Aromatic Hydrocarbons	ND	53		mg/Kg-dry	1	8/10/01 8:32:00 PM
Naphthalene	ND	0.26		mg/Kg-dry	1	8/10/01 8:32:00 PM
2-Methylnaphthalene	ND	0.26		mg/Kg-dry	1	8/10/01 8:32:00 PM
Acenaphthene	ND	0.26		mg/Kg-dry	1	8/10/01 8:32:00 PM
Phenanthrene	ND	0.26		mg/Kg-dry	1	8/10/01 8:32:00 PM
Surr: 1-Chlorooctadecane	52.9	40-140		%REC	1	8/10/01 8:32:00 PM
Surr: 2-Bromonaphthalene	97.9	40-140		%REC	1	8/10/01 8:32:00 PM
Surr: 2-Fluorobiphenyl	90.0	40-140		%REC	1	8/10/01 8:32:00 PM
Surr: o-Terphenyl	67.5	40-140		%REC	1	8/10/01 8:32:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 8-15-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corporation
111 Herrick Street
Merrimack, NH 03054

Volatile Petroleum Hydrocarbons (VPH)
Massachusetts Department of Environmental Protection (MADEP)
Method 1.0 - January 1998
AMRO Modifications

This modification is based on the use of a purge and trap gas chromatography mass spectrometer (GC/MS) system to analyze samples for VPH. The hydrocarbon ranges are quantified using predominant mass fragmentation ions which are characteristic for the range being measured. This approach eliminates potential false positives for the target analytes while providing accurate hydrocarbon range data.

The chromatographic column is an HP-624 capillary column which has been validated by GC/MS analysis of a gasoline standard to correctly identify the marker compounds and elution order of specific gasoline components. Batch quality control includes, at a minimum, method blank, laboratory control sample, and duplicate analysis. A matrix spike and/or matrix spike duplicate is analyzed if sufficient sample is submitted to the laboratory.

The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic ranges is approximately 0.6-2.8 mg/kg in soil and 25-110 µg/L in water. The RL of this method for the target analytes ranges from approximately 0.05-0.13 mg/kg in soil and 2.0-5.0 µg/L for water samples.

Extractable Petroleum Hydrocarbons (EPH)
Massachusetts Department of Environmental Protection (MADEP)
Method 1.0 - January 1998
AMRO Modifications

This modification is based on a solvent extraction and gas chromatography mass spectrometer (GC/MS) analysis. The hydrocarbon ranges are quantified using predominant mass fragmentation ions which are characteristic for the range being measured. This approach eliminates the silica gel solid-phase fractionation step. False positives for targeted PAH analytes are eliminated by using GC/MS as the primary analysis technique.

The chromatographic column is a J&W Scientific DB-5ms capillary column.
Internal standard calibration is performed using 5α-Androstane at a concentration of 40 ng/µL. o-Terphenyl and 1-Chlorooctadecane are added as surrogate compounds at 20 ng/µL in the sample extract. These two surrogates monitor the effects of the sample matrix and extraction efficiency. Two additional surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, are added to the finished extract prior to analysis to monitor instrument performance. Batch quality control includes, at a minimum, a procedure blank, laboratory control sample and duplicate sample analysis. A matrix spike is analyzed if sufficient sample is submitted to the laboratory.

The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic ranges is approximately 2-15 mg/kg in soil and 10-50 µg/L in water. The RL of this method for the Target PAH analytes ranges from approximately 0.25 to 0.5mg/kg in soil; 1.0µg/L for water when operating the GC/MS in full scan mode, and 0.1 to 1.0µg/L when operating the GC/MS in SIM mode. For sites requiring the lowest levels cited in the Massachusetts Contingency Plan for water, GC/MS in the Selected Ion Monitoring (SIM) mode is used.

AMRO Environmental Laboratories Corp.

15-Aug-01

Lab Order: 0108063
Client: ENPRO Services
Project: 1379 Brown School

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0108063-01A	Exterior - Bottom	8/6/01	Soil	EPH, Soil, 4 Diesel PAHs		8/10/01	8/10/01
				EPH, Soil, 4 Diesel PAHs		8/10/01	8/13/01
				Percent Moisture			8/9/01
0108063-02A	Exterior - Side wall			EPH, Soil, 4 Diesel PAHs		8/10/01	8/10/01
				Percent Moisture			8/9/01

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
~~(603) 424-2022~~

Client: ENPRO
Project Name: 1379 BROWN SCHOOL
Ship via: (circle one) Fed Ex., UPS, AMRO Courier.
Hand Del., Other Courier, Other:

AMRO ID: 0108063
Date Rec.: 8-8-01
Date Due: 8-15-01

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?			✓	
2. Custody Seals present?			✓	
3. Custody Seals Intact?			✓	
4. Air Bill included in folder if received?			✓	
5. Is COC included with samples?	✓			
6. Is COC signed and dated by client?	✓			
7. Laboratory receipt temperature. TEMP = 3°				
Samples rec. with ice ✓ ice packs ___ neither ___				
8. Were samples received the same day they were sampled?		✓		
Is client temperature 4°C ± 2°C?	✓			
If no obtain authorization from the client for the analyses.				
Client authorization from: Date: Obtained by:				
9. Is the COC filled out correctly and completely?	✓			
10. Does the info on the COC match the samples?	✓			
11. Were samples rec. within holding time?	✓			
12. Were all samples properly labeled?	✓			
13. Were all samples properly preserved?	✓			
14. Were proper sample containers used?	✓			
15. Were all samples received intact? (none broken or leaking)	✓			
16. Were VOA vials rec. with no air bubbles?			✓	
17. Were the sample volumes sufficient for requested analysis?	✓			
18. Were all samples received?	✓			
19. VPH and VOA Soils only:			✓	
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?				
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?				
If NO then client must be faxed.				
Were vials provided by AMRO?				
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?				
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			✓	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	✓			
Dry Weight Log?	✓			
Client Log?			✓	
Composite Log?			✓	
Filtration Log?			✓	

Received By: CC Date: 8-8-01 Logged in By: CC MG Date: 8-9-01
Labeled By: CC Date: 8-9-01 Checked By: Date: 8-9-01

NA= Not Applicable

qc/qcmemos/forms/samplerec Rev.18 06/00

ENPRO Services Inc.

12 Mulliken Way
Newburyport, MA 01950

3566

CHAIN OF CUSTODY RECORD

Job No.	Job Name	State
1379	Brown School	MA

Samplers (Signature)

Date	Time	Comp.	Grab	Sample Number	Type, Size, & No. of Containers	MATRIX Water - A Soil/Solid-S Waste-W Other-O	Explain	Full Cty Tank					Remarks
8/6/01	1 PM	X		Exterior - Bottom	1x80z	S		X					
8/6/01	1:15	X		Exterior - Sidewall	1x80z	S		X					

Relinquished by: (Signature)	Date Time	Received by (Signature)	Fax to (phone) (978) 465-2050	Send Results to:
	8/6/01 4 PM			ENPRO Services, Inc. 12 Mulliken Way Newburyport, MA 01950 Attn: Scott Brown
Relinquished by: (Signature)	Date Time	Received by (Signature)	Results needed 5 day TAT PO# 68751	
Relinquished by: (Signature)	Date Time	Received by (Signature)	Laboratory Project No. 0108063	Remarks
Relinquished by: (Signature)	Date Time 1525 8/8/01	Received for Laboratory by: (Signature)	Seal Intact? Yes No N/A	

The Commonwealth of Massachusetts

Department of Environmental Protection

Division of Environmental Analysis

Senator William X. Wall Experiment Station

certifies

M-NH012

AMRO ENVIRONMENTAL LAB
111 HERRICK ST
MERRIMACK, NH 03054-0000

Laboratory Director: Nancy Stewart

for the analysis of NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (CHEMISTRY)

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.

Issued: 01 JUL 2001

Expires: 30 JUN 2002

Oscar C. Garcia

Director, Division of Environmental Analysis

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 JUL 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2001 Expiration Date 30 JUN 2002

Analytes and Methods

ALUMINUM	EPA 200.7	NITRATE-N	EPA 353.2
ANTIMONY	EPA 200.7	KJELDAHL-N	EPA 351.1
ANTIMONY	EPA 204.2	KJELDAHL-N	EPA 351.2
ARSENIC	EPA 200.7	ORTHOPHOSPHATE	EPA 365.2
ARSENIC	EPA 206.2	ORTHOPHOSPHATE	EPA 300.0
ARSENIC	ASTM D2972-93(C)	TOTAL PHOSPHORUS	EPA 365.2
BERYLLIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	EPA 410.4
CADMIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	HACH METHOD 8000
CHROMIUM	EPA 200.7	BIOCHEMICAL OXYGEN DEMAND	EPA 405.1
COBALT	EPA 200.7	TOTAL CYANIDE	EPA 335.2
COPPER	EPA 200.7	NON-FILTERABLE RESIDUE	EPA 160.2
IRON	EPA 200.7	TOTAL RESIDUAL CHLORINE	SM 4500-CL-G
LEAD	EPA 200.7	OIL AND GREASE	EPA 413.1
LEAD	EPA 239.2	TOTAL PHENOLICS	EPA 420.1
MANGANESE	EPA 200.7	VOLATILE HALOCARBONS	EPA 624
MERCURY	EPA 245.1	VOLATILE AROMATICS	EPA 624
MOLYBDENUM	EPA 200.7	CHLORDANE	EPA 608
NICKEL	EPA 200.7	ALDRIN	EPA 608
SELENIUM	EPA 200.7	DIELDRIN	EPA 608
SELENIUM	EPA 270.2	DDD	EPA 608
SILVER	EPA 200.7	DDT	EPA 608
STRONTIUM	EPA 200.7	HEPTACHLOR	EPA 608
THALLIUM	EPA 200.7	HEPTACHLOR EPOXIDE	EPA 608
THALLIUM	EPA 279.2	POLYCHLORINATED BIPHENYLS (WATER)	EPA 608
ZINC	EPA 200.7	POLYCHLORINATED BIPHENYLS (OIL)	EPA 600/4-81-045
PH	EPA 150.1		
SPECIFIC CONDUCTIVITY	EPA 120.1		
TOTAL DISSOLVED SOLIDS	EPA 160.1		
TOTAL HARDNESS (CACO3)	EPA 200.7		
CALCIUM	EPA 200.7		
MAGNESIUM	EPA 200.7		
SODIUM	EPA 200.7		
POTASSIUM	EPA 200.7		
TOTAL ALKALINITY	EPA 310.1		
CHLORIDE	EPA 325.3		
CHLORIDE	EPA 300.0		
FLUORIDE	EPA 340.2		
FLUORIDE	EPA 300.0		
SULFATE	EPA 375.4		
SULFATE	EPA 300.0		
AMMONIA-N	EPA 350.2		
NITRATE-N	EPA 300.0		

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 JUL 2001

M- NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

POTABLE WATER (CHEMISTRY) Effective Date 09 JUL 2001 Expiration Date 30 JUN 2002

Analytes and Methods

ANTIMONY	EPA 200.9
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
LEAD	EPA 200.9
MERCURY	EPA 245.1
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	EPA 300.0
FLUORIDE	SM 4500-F-E
SULFATE	EPA 300.0
CYANIDE	SM 4500-CN-C,E
TURBIDITY	EPA 180.1
RESIDUAL FREE CHLORINE	SM 4500-CL-G
CALCIUM	EPA 200.7
TOTAL ALKALINITY	SM 2320B
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1

AMRO Environmental Laboratories Corporation

111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

August 21, 2001

Geoff Brown
ENPRO Services
12 Mulliken Way
Newburyport, MA 01950
TEL: (978) 465-1595
FAX: (978) 465-2050

RE: 1379 Brown School Order No.: 0108116

Dear Geoff Brown:

AMRO Environmental Laboratories Corp. received 1 sample on 8/14/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of ____ pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart
Vice President / Lab Director

AMRO Environmental Laboratories Corp.

Date: *21-Aug-01*

CLIENT: ENPRO Services
Project: 1379 Brown School
Lab Order: 0108116
Date Received: 8/14/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0108116-01A	Beneath Stairs	8/13/01

AMRO Environmental Laboratories Corp.

Date: *21-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Beneath Stairs
Lab Order:	0108116		
Project:	1379 Brown School	**Collection Date:**	8/13/01
Lab ID:	0108116-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	**D2216**					Analyst: JP
Percent Moisture	3.3	0		wt%	1	8/15/01

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *21-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Beneath Stairs
Lab Order:	0108116	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	8/13/01
Lab ID:	0108116-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH						Analyst: **RKK**
C9-C18 Aliphatic Hydrocarbons	ND	50		mg/Kg-dry	1	8/20/01 7:45:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	50		mg/Kg-dry	1	8/20/01 7:45:00 PM
C11-C22 Aromatic Hydrocarbons	ND	50		mg/Kg-dry	1	8/20/01 7:45:00 PM
Naphthalene	ND	0.25		mg/Kg-dry	1	8/20/01 7:45:00 PM
2-Methylnaphthalene	ND	0.25		mg/Kg-dry	1	8/20/01 7:45:00 PM
Acenaphthene	ND	0.25		mg/Kg-dry	1	8/20/01 7:45:00 PM
Phenanthrene	ND	0.25		mg/Kg-dry	1	8/20/01 7:45:00 PM
Surr: 1-Chlorooctadecane	73.9	40-140		%REC	1	8/20/01 7:45:00 PM
Surr: 2-Bromonaphthalene	98.8	40-140		%REC	1	8/20/01 7:45:00 PM
Surr: 2-Fluorobiphenyl	107	40-140		%REC	1	8/20/01 7:45:00 PM
Surr: o-Terphenyl	60.9	40-140		%REC	1	8/20/01 7:45:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 8-21-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

21-Aug-01

Lab Order: 0108116
Client: ENPRO Services
Project: 1379 Brown School

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0108116-01A	Beneath Stairs	8/13/01	Soil	EPH, Soil, 4 Diesel PAHs		8/20/01	8/20/01
				Percent Moisture			8/15/01

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
(603) ~~424-2022~~

Client: ENPRO
Project Name: 1379 Brown School
Ship via: (circle one) Fed Ex., UPS, AMRO Courier,
Hand Del., Other Courier, Other:

AMRO ID: 0108116
Date Rec.: 8-14-01
Date Due: 8-21-01

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?			✓	
2. Custody Seals present?			✓	
3. Custody Seals Intact?			✓	
4. Air Bill included in folder if received?			✓	
5. Is COC included with samples?	✓			
6. Is COC signed and dated by client?	✓			
7. Laboratory receipt temperature. TEMP = 3°				
Samples rec. with ice ✓ ice packs ___ neither ___				
8. Were samples received the same day they were sampled?		✓		
Is client temperature 4°C ± 2°C?	✓			
If no obtain authorization from the client for the analyses.				
Client authorization from: Date: Obtained by:				
9. Is the COC filled out correctly and completely?	✓			
10. Does the info on the COC match the samples?	✓			
11. Were samples rec. within holding time?	✓			
12. Were all samples properly labeled?	✓			
13. Were all samples properly preserved?	✓			
14. Were proper sample containers used?	✓			
15. Were all samples received intact? (none broken or leaking)	✓			
16. Were VOA vials rec. with no air bubbles?			✓	
17. Were the sample volumes sufficient for requested analysis?	✓			
18. Were all samples received?	✓			
19. VPH and VOA Soils only:			✓	
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?				
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?				
If NO then client must be faxed.				
Were vials provided by AMRO?				
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?				
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			✓	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	✓			
Dry Weight Log?	✓			
Client Log?			✓	
Composite Log?			✓	
Filtration Log?			✓	

Received By: CC Date: 8-14-01 Logged in By: CC Date: 8-15-01
Labeled By: CC Date: 8-15-01 Checked By: MG Date: 8-15-01

NA= Not Applicable

ENPRO Services Inc.

12 Mulliken Way
Newburyport, MA 01950

3640

CHAIN OF CUSTODY RECORD

Job No.	Job Name	State
1379	Bawn School	MA

Samplers (Signature)

Date	Time	Comp.	Grab	Sample Number	Type, Size, & No. of Containers	MATRIX: Water - A, Soil/Solid-S, Waste-W, Other-O	Explain	EPH w/ Tphc						Remarks
8/13/01	3pm	X		Bawn School	1x 8oz	S		X						

Relinquished by: (Signature) — Date Time 8/13/01 4:30pm — Received by (Signature) 8/14/01 — Fax to (phone) (978) 465-2050

Results needed Standard 5 day

PO#

Send Results to:
ENPRO Services, Inc.
12 Mulliken Way
Newburyport, MA 01950
Attn: Gail Bonin

Relinquished by: (Signature) — Date Time — Received by (Signature)

Relinquished by: (Signature) — Date Time — Received by (Signature) — Laboratory Project No. 0108116 — Remarks

Relinquished by: (Signature) — Date Time 8/14/01 1600 — Received for Laboratory by: (Signature) — Seal Intact? Yes No N/A

AMRO Environmental Laboratories Corporation

111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

August 27, 2001

Geoff Brown
ENPRO Services
12 Mulliken Way
Newburyport, MA 01950
TEL: (978) 465-1595
FAX: (978) 465-2050

RE: 1379 Brown School Order No.: 0108116

Dear Geoff Brown:

AMRO Environmental Laboratories Corp. received 1 sample on 8/14/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 10 pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart
Vice President / Lab Director

AMRO Environmental Laboratories Corp.

Date: *27-Aug-01*

CLIENT: ENPRO Services
Project: 1379 Brown School
Lab Order: 0108116
Date Received: 8/14/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0108116-01A	Beneath Stairs	8/13/01

AMRO Environmental Laboratories Corp.

Date: *27-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Beneath Stairs
Lab Order:	0108116		
Project:	1379 Brown School	**Collection Date:**	8/13/01
Lab ID:	0108116-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	**D2216**					Analyst: **JP**
Percent Moisture	3.3	0		wt%	1	8/15/01

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *27-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Beneath Stairs
Lab Order:	0108116	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	8/13/01
Lab ID:	0108116-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH						Analyst: RKK
C9-C18 Aliphatic Hydrocarbons	ND	50		mg/Kg-dry	1	8/20/01 7:45:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	50		mg/Kg-dry	1	8/20/01 7:45:00 PM
C11-C22 Aromatic Hydrocarbons	ND	50		mg/Kg-dry	1	8/20/01 7:45:00 PM
Naphthalene	ND	0.25		mg/Kg-dry	1	8/20/01 7:45:00 PM
2-Methylnaphthalene	ND	0.25		mg/Kg-dry	1	8/20/01 7:45:00 PM
Acenaphthene	ND	0.25		mg/Kg-dry	1	8/20/01 7:45:00 PM
Phenanthrene	ND	0.25		mg/Kg-dry	1	8/20/01 7:45:00 PM
Surr: 1-Chlorooctadecane	73.9	40-140		%REC	1	8/20/01 7:45:00 PM
Surr: 2-Bromonaphthalene	98.8	40-140		%REC	1	8/20/01 7:45:00 PM
Surr: 2-Fluorobiphenyl	107	40-140		%REC	1	8/20/01 7:45:00 PM
Surr: o-Terphenyl	60.9	40-140		%REC	1	8/20/01 7:45:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 8-27-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

27-Aug-01

Lab Order: 0108116
Client: ENPRO Services
Project: 1379 Brown School

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0108116-01A	Beneath Stairs	8/13/01	Soil	EPH, Soil, 4 Diesel PAHs		8/20/01	8/20/01
				Percent Moisture			8/15/01

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
(603) ~~424-2022~~

Client: ENPRO
Project Name: 1379 Brown School
Ship via: (circle one) Fed Ex., UPS, AMRO Courier,
Hand Del., Other Courier, Other:

AMRO ID: 0108116
Date Rec.: 8-14-01
Date Due: 8-21-01

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?			✓	
2. Custody Seals present?			✓	
3. Custody Seals Intact?			✓	
4. Air Bill included in folder if received?			✓	
5. Is COC included with samples?	✓			
6. Is COC signed and dated by client?	✓			
7. Laboratory receipt temperature. TEMP = 3°				
Samples rec. with ice ✓ ice packs ___ neither ___				
8. Were samples received the same day they were sampled?		✓		
Is client temperature 4°C ± 2°C?	✓			
If no obtain authorization from the client for the analyses.				
Client authorization from: Date: Obtained by:				
9. Is the COC filled out correctly and completely?	✓			
10. Does the info on the COC match the samples?	✓			
11. Were samples rec. within holding time?	✓			
12. Were all samples properly labeled?	✓			
13. Were all samples properly preserved?	✓			
14. Were proper sample containers used?	✓			
15. Were all samples received intact? (none broken or leaking)	✓			
16. Were VOA vials rec. with no air bubbles?			✓	
17. Were the sample volumes sufficient for requested analysis?	✓			
18. Were all samples received?	✓			
19. VPH and VOA Soils only:			✓	
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?				
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?				
If NO then client must be faxed.				
Were vials provided by AMRO?				
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?				
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			✓	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	✓			
Dry Weight Log?	✓			
Client Log?			✓	
Composite Log?			✓	
Filtration Log?			✓	

Received By: CC Date: 8-14-01 Logged in By: CC Date: 8-15-01
Labeled By: CC Date: 8-15-01 Checked By: MG Date: 8-15-01

06

NA= Not Applicable

ENPRO Services Inc.

12 Mulliken Way
Newburyport, MA 01950

3640

CHAIN OF CUSTODY RECORD

Job No.	Job Name	State
1379	Barn School	MA

Samplers *(Signature)*

Date	Time	Comp.	Grab	Sample Number	Type, Size, & No. of Containers	MATRIX Water - A Soil/Solid-S Waste-W Other-O Explain	ETH / TPH						Remarks
8/13/01	3pm	X		Barn Sch 1	1x 8oz	S	X						

Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*	Fax to (phone) (978) 465-2050	Send Results to:
	8/13/01 4:30pm	8/14/01 11:53	Results needed Standard 5 da	ENPRO Services, Inc. 12 Mulliken Way Newburyport, MA 01950 Attn: Gail Barn
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*	PO#	
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*	Laboratory Project No. 0108116	Remarks
Relinquished by: *(Signature)*	Date Time 8/14/01 1600	Received for Laboratory by: *(Signature)*	Seal Intact? Yes No N/A	

The Commonwealth of Massachusetts

Department of Environmental Protection

Division of Environmental Analysis

Senator William X. Wall Experiment Station

certifies

M-NH012 AMRO ENVIRONMENTAL LAB
111 HERRICK ST
MERRIMACK, NH 03054-0000

Laboratory Director: Nancy Stewart

for the analysis of NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (CHEMISTRY)

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.

Issued: 01 JUL 2001

Expires: 30 JUN 2002

Director, Division of Environmental Analysis

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 JUL 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2001 Expiration Date 30 JUN 2002

Analytes and Methods

ALUMINUM	EPA 200.7	NITRATE-N	EPA 353.2
ANTIMONY	EPA 200.7	KJELDAHL-N	EPA 351.1
ANTIMONY	EPA 204.2	KJELDAHL-N	EPA 351.2
ARSENIC	EPA 200.7	ORTHOPHOSPHATE	EPA 365.2
ARSENIC	EPA 206.2	ORTHOPHOSPHATE	EPA 300.0
ARSENIC	ASTM D2972-93(C)	TOTAL PHOSPHORUS	EPA 365.2
BERYLLIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	EPA 410.4
CADMIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	HACH METHOD 8000
CHROMIUM	EPA 200.7	BIOCHEMICAL OXYGEN DEMAND	EPA 405.1
COBALT	EPA 200.7	TOTAL CYANIDE	EPA 335.2
COPPER	EPA 200.7	NON-FILTERABLE RESIDUE	EPA 160.2
IRON	EPA 200.7	TOTAL RESIDUAL CHLORINE	SM 4500-CL-G
LEAD	EPA 200.7	OIL AND GREASE	EPA 413.1
LEAD	EPA 239.2	TOTAL PHENOLICS	EPA 420.1
MANGANESE	EPA 200.7	VOLATILE HALOCARBONS	EPA 624
MERCURY	EPA 245.1	VOLATILE AROMATICS	EPA 624
MOLYBDENUM	EPA 200.7	CHLORDANE	EPA 608
NICKEL	EPA 200.7	ALDRIN	EPA 608
SELENIUM	EPA 200.7	DIELDRIN	EPA 608
SELENIUM	EPA 270.2	DDD	EPA 608
SILVER	EPA 200.7	DDT	EPA 608
STRONTIUM	EPA 200.7	HEPTACHLOR	EPA 608
THALLIUM	EPA 200.7	HEPTACHLOR EPOXIDE	EPA 608
THALLIUM	EPA 279.2	POLYCHLORINATED BIPHENYLS (WATER)	EPA 608
ZINC	EPA 200.7	POLYCHLORINATED BIPHENYLS (OIL)	EPA 600/4-81-045
PH	EPA 150.1		
SPECIFIC CONDUCTIVITY	EPA 120.1		
TOTAL DISSOLVED SOLIDS	EPA 160.1		
TOTAL HARDNESS (CACO3)	EPA 200.7		
CALCIUM	EPA 200.7		
MAGNESIUM	EPA 200.7		
SODIUM	EPA 200.7		
POTASSIUM	EPA 200.7		
TOTAL ALKALINITY	EPA 310.1		
CHLORIDE	EPA 325.3		
CHLORIDE	EPA 300.0		
FLUORIDE	EPA 340.2		
FLUORIDE	EPA 300.0		
SULFATE	EPA 375.4		
SULFATE	EPA 300.0		
AMMONIA-N	EPA 350.2		
NITRATE-N	EPA 300.0		

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 JUL 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

POTABLE WATER (CHEMISTRY) Effective Date 09 JUL 2001 Expiration Date 30 JUN 2002

Analytes	Methods
ANTIMONY	EPA 200.9
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
LEAD	EPA 200.9
MERCURY	EPA 245.1
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	EPA 300.0
FLUORIDE	SM 4500-F-E
SULFATE	EPA 300.0
CYANIDE	SM 4500-CN-C,E
TURBIDITY	EPA 180.1
RESIDUAL FREE CHLORINE	SM 4500-CL-G
CALCIUM	EPA 200.7
TOTAL ALKALINITY	SM 2320B
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1

AMRO Environmental Laboratories Corporation

111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

September 10, 2001

Geoff Brown
ENPRO Services
12 Mulliken Way
Newburyport, MA 01950
TEL: (978) 465-1595
FAX: (978) 465-2050

RE: 1379 Brown School Order No.: 0108115

Dear Geoff Brown:

AMRO Environmental Laboratories Corp. received 2 samples on 8/14/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 18 pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart
Vice President / Lab Director

AMRO Environmental Laboratories Corp.

Date: *27-Aug-01*

CLIENT: ENPRO Services
Project: 1379 Brown School
Lab Order: 0108115
Date Received: 8/14/01

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0108115-01A	Wall Hole - Bottom - East	8/10/01
0108115-01B	Wall Hole - Bottom - East	8/10/01
0108115-02A	Wall Hole - Bottom - West	8/10/01
0108115-02B	Wall Hole - Bottom - West	8/10/01

AMRO Environmental Laboratories Corp. **Date:** *10-Sep-01*

CLIENT: ENPRO Services
Project: 1379 Brown School
Lab Order: 0108115

CASE NARRATIVE

MADEP-EPH

1. Prep Comments for EPHSPR, Sample 0108115-01B: The prep HoldTime was exceeded by 3 days.

2. Prep Comments for EPHSPR, Sample 0108115-02B: The prep HoldTime was exceeded by 3 days.

GC/FID-TPH

1. Prep Comments for FING_SOPREP, Sample 0108115-02B: The prep HoldTime was exceeded by 3 days.

AMRO Environmental Laboratories Corp.

Date: *27-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Wall Hole - Bottom - East
Lab Order:	0108115		
Project:	1379 Brown School	**Collection Date:**	8/10/01
Lab ID:	0108115-01B	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	**D2216**					Analyst: JP
Percent Moisture	5.2	0		wt%	1	8/15/01

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *27-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Wall Hole - Bottom - West
Lab Order:	0108115		
Project:	1379 Brown School	**Collection Date:**	8/10/01
Lab ID:	0108115-02B	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: JP
Percent Moisture	5.1	0		wt%	1	8/15/01

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *27-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Wall Hole - Bottom - East
Lab Order:	0108115	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	8/10/01
Lab ID:	0108115-01B	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH BY GC/FID (MODIFIED 8015B)		**SW8015B**				Analyst: **RKK**
Gasoline	ND	52		mg/Kg-dry	1	8/24/01 12:02:00 AM
Mineral Spirits	ND	52		mg/Kg-dry	1	8/24/01 12:02:00 AM
Kerosene	ND	52		mg/Kg-dry	1	8/24/01 12:02:00 AM
Diesel Fuel/Fuel Oil #2	ND	52		mg/Kg-dry	1	8/24/01 12:02:00 AM
Motor Oil/Hydraulic Oil	ND	100		mg/Kg-dry	1	8/24/01 12:02:00 AM
Unidentified Hydrocarbons	ND	52		mg/Kg-dry	1	8/24/01 12:02:00 AM

Gasoline cannot be accurately determined by this method. Purge and trap sample introduction into a GC or GCMS is the recommended approach for gasoline. Due to the physical, chemical, and biological processes which affect the chemical composition of fuel mixtures exposed to the environment, the qualitative identity of a hydrocarbon mixture as a fuel product is not always conclusive by this method due to the method's reliance on chromatographic pattern recognition. A result provided for a specific fuel indicates that the mixture present in the sample has a chromatographic pattern similar to the laboratory's reference standard for that fuel mixture under specific GC operating conditions utilized at the time of analysis. A result identified as Unidentified Hydrocarbons is based upon the detector response obtained for the laboratory's Fuel Oil#2 reference standard and includes the entire chromatographic response for the sample between n-Alkanes of carbon numbers C9 to C36.

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded.
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *10-Sep-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Wall Hole - Bottom - West
Lab Order:	0108115	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	8/10/01
Lab ID:	0108115-02B	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TPH BY GC/FID (MODIFIED 8015B)		**SW8015B**				Analyst: KD
Gasoline	ND	52	H	mg/Kg-dry	1	8/28/01 7:19:00 PM
Mineral Spirits	ND	52	H	mg/Kg-dry	1	8/28/01 7:19:00 PM
Kerosene	ND	52	H	mg/Kg-dry	1	8/28/01 7:19:00 PM
Diesel Fuel/Fuel Oil #2	ND	52	H	mg/Kg-dry	1	8/28/01 7:19:00 PM
Motor Oil/Hydraulic Oil	ND	100	H	mg/Kg-dry	1	8/28/01 7:19:00 PM
Unidentified Hydrocarbons	ND	52	H	mg/Kg-dry	1	8/28/01 7:19:00 PM

Gasoline cannot be accurately determined by this method. Purge and trap sample introduction into a GC or GCMS is the recommended approach for gasoline. Due to the physical, chemical, and biological processes which affect the chemical composition of fuel mixtures exposed to the environment, the qualitative identity of a hydrocarbon mixture as a fuel product is not always conclusive by this method due to the method's reliance on chromatographic pattern recognition. A result provided for a specific fuel indicates that the mixture present in the sample has a chromatographic pattern similar to the laboratory's reference standard for that fuel mixture under specific GC operating conditions utilized at the time of analysis. A result identified as Unidentified Hydrocarbons is based upon the detector response obtained for the laboratory's Fuel Oil#2 reference standard and includes the entire chromatographic response for the sample between n-Alkanes of carbon numbers C9 to C36.

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
H - Method prescribed holding time exceeded.
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
- See Case Narrative
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: *27-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Wall Hole - Bottom - East
Lab Order:	0108115	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	8/10/01
Lab ID:	0108115-01A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS		**MAVPH**				Analyst: **SK**
C5-C8 Aliphatic Hydrocarbons	ND	2.4		mg/Kg-dry	1	8/16/01 7:23:00 PM
C9-C12 Aliphatic Hydrocarbons	0.60	0.59		mg/Kg-dry	1	8/16/01 7:23:00 PM
C9-C10 Aromatic Hydrocarbons	ND	0.59		mg/Kg-dry	1	8/16/01 7:23:00 PM
Surr: 1,2-Dichloroethane-d4	99.1	70-130		%REC	1	8/16/01 7:23:00 PM
Surr: 2,5-Dibromotoluene	100	70-130		%REC	1	8/16/01 7:23:00 PM
Surr: 4-Bromofluorobenzene	93.2	70-130		%REC	1	8/16/01 7:23:00 PM
Surr: Dibromofluoromethane	104	70-130		%REC	1	8/16/01 7:23:00 PM
Surr: Toluene-d8	106	70-130		%REC	1	8/16/01 7:23:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 8-27-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

Date: *27-Aug-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Wall Hole - Bottom - West
Lab Order:	0108115	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	8/10/01
Lab ID:	0108115-02A	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS		**MAVPH**				Analyst: **SK**
C5-C8 Aliphatic Hydrocarbons	ND	2.6		mg/Kg-dry	1	8/16/01 7:58:00 PM
C9-C12 Aliphatic Hydrocarbons	ND	0.65		mg/Kg-dry	1	8/16/01 7:58:00 PM
C9-C10 Aromatic Hydrocarbons	ND	0.65		mg/Kg-dry	1	8/16/01 7:58:00 PM
Surr: 1,2-Dichloroethane-d4	99.6	70-130		%REC	1	8/16/01 7:58:00 PM
Surr: 2,5-Dibromotoluene	103	70-130		%REC	1	8/16/01 7:58:00 PM
Surr: 4-Bromofluorobenzene	93.6	70-130		%REC	1	8/16/01 7:58:00 PM
Surr: Dibromofluoromethane	107	70-130		%REC	1	8/16/01 7:58:00 PM
Surr: Toluene-d8	108	70-130		%REC	1	8/16/01 7:58:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

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Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

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PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

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ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

Date: *10-Sep-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Wall Hole - Bottom - East
Lab Order:	0108115	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	8/10/01
Lab ID:	0108115-01B	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH						Analyst: **RKK**
C9-C18 Aliphatic Hydrocarbons	ND	52	H	mg/Kg-dry	1	8/20/01 10:04:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	52	H	mg/Kg-dry	1	8/20/01 10:04:00 PM
C11-C22 Aromatic Hydrocarbons	ND	52	H	mg/Kg-dry	1	8/20/01 10:04:00 PM
Naphthalene	ND	0.26	H	mg/Kg-dry	1	8/20/01 10:04:00 PM
2-Methylnaphthalene	ND	0.26	H	mg/Kg-dry	1	8/20/01 10:04:00 PM
Acenaphthene	ND	0.26	H	mg/Kg-dry	1	8/20/01 10:04:00 PM
Phenanthrene	ND	0.26	H	mg/Kg-dry	1	8/20/01 10:04:00 PM
Surr: 1-Chlorooctadecane	100	40-140		%REC	1	8/20/01 10:04:00 PM
Surr: 2-Bromonaphthalene	119	40-140		%REC	1	8/20/01 10:04:00 PM
Surr: 2-Fluorobiphenyl	126	40-140		%REC	1	8/20/01 10:04:00 PM
Surr: o-Terphenyl	80.1	40-140		%REC	1	8/20/01 10:04:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 9-10-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corp.

Date: *10-Sep-01*

CLIENT:	ENPRO Services	**Client Sample ID:**	Wall Hole - Bottom - West
Lab Order:	0108115	**Tag Number:**	
Project:	1379 Brown School	**Collection Date:**	8/10/01
Lab ID:	0108115-02B	**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH						Analyst: **RKK**
C9-C18 Aliphatic Hydrocarbons	ND	51	H	mg/Kg-dry	1	8/20/01 6:34:00 PM
C19-C36 Aliphatic Hydrocarbons	ND	51	H	mg/Kg-dry	1	8/20/01 6:34:00 PM
C11-C22 Aromatic Hydrocarbons	ND	51	H	mg/Kg-dry	1	8/20/01 6:34:00 PM
Naphthalene	ND	0.25	H	mg/Kg-dry	1	8/20/01 6:34:00 PM
2-Methylnaphthalene	ND	0.25	H	mg/Kg-dry	1	8/20/01 6:34:00 PM
Acenaphthene	ND	0.25	H	mg/Kg-dry	1	8/20/01 6:34:00 PM
Phenanthrene	ND	0.25	H	mg/Kg-dry	1	8/20/01 6:34:00 PM
Surr: 1-Chlorooctadecane	57.1	40-140		%REC	1	8/20/01 6:34:00 PM
Surr: 2-Bromonaphthalene	94.8	40-140		%REC	1	8/20/01 6:34:00 PM
Surr: 2-Fluorobiphenyl	98.4	40-140		%REC	1	8/20/01 6:34:00 PM
Surr: o-Terphenyl	48.6	40-140		%REC	1	8/20/01 6:34:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ✓ Yes ___ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ✓ Yes ___ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ___ No ✓ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ DATE: 9-10-01

PRINTED NAME: Nancy Stewart POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corporation
111 Herrick Street
Merrimack, NH 03054

Volatile Petroleum Hydrocarbons (VPH)
Massachusetts Department of Environmental Protection (MADEP)
Method 1.0 - January 1998
AMRO Modifications

This modification is based on the use of a purge and trap gas chromatography mass spectrometer (GC/MS) system to analyze samples for VPH. The hydrocarbon ranges are quantified using predominant mass fragmentation ions which are characteristic for the range being measured. This approach eliminates potential false positives for the target analytes while providing accurate hydrocarbon range data.

The chromatographic column is an HP-624 capillary column which has been validated by GC/MS analysis of a gasoline standard to correctly identify the marker compounds and elution order of specific gasoline components. Batch quality control includes, at a minimum, method blank, laboratory control sample, and duplicate analysis. A matrix spike and/or matrix spike duplicate is analyzed if sufficient sample is submitted to the laboratory.

The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic ranges is approximately 0.6-2.8 mg/kg in soil and 25-110 µg/L in water. The RL of this method for the target analytes ranges from approximately 0.05-0.13 mg/kg in soil and 2.0-5.0 µg/L for water samples.

Extractable Petroleum Hydrocarbons (EPH)
Massachusetts Department of Environmental Protection (MADEP)
Method 1.0 - January 1998
AMRO Modifications

This modification is based on a solvent extraction and gas chromatography mass spectrometer (GC/MS) analysis. The hydrocarbon ranges are quantified using predominant mass fragmentation ions which are characteristic for the range being measured. This approach eliminates the silica gel solid-phase fractionation step. False positives for targeted PAH analytes are eliminated by using GC/MS as the primary analysis technique.

The chromatographic column is a J&W Scientific DB-5ms capillary column.
Internal standard calibration is performed using 5α-Androstane at a concentration of 40 ng/µL. o-Terphenyl and 1-Chlorooctadecane are added as surrogate compounds at 20 ng/µL in the sample extract. These two surrogates monitor the effects of the sample matrix and extraction efficiency. Two additional surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, are added to the finished extract prior to analysis to monitor instrument performance. Batch quality control includes, at a minimum, a procedure blank, laboratory control sample and duplicate sample analysis. A matrix spike is analyzed if sufficient sample is submitted to the laboratory.

The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic ranges is approximately 2-15 mg/kg in soil and 10-50 µg/L in water. The RL of this method for the Target PAH analytes ranges from approximately 0.25 to 0.5mg/kg in soil; 1.0µg/L for water when operating the GC/MS in full scan mode, and 0.1 to 1.0µg/L when operating the GC/MS in SIM mode. For sites requiring the lowest levels cited in the Massachusetts Contingency Plan for water, GC/MS in the Selected Ion Monitoring (SIM) mode is used.

AMRO Environmental Laboratories Corp.

27-Aug-01

Lab Order: 0108115
Client: ENPRO Services
Project: 1379 Brown School

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0108115-01A	Wall Hole - Bottom - East	8/10/01	Soil	Volatile Petroleum Hydrocarbons		8/14/01	8/16/01
0108115-01B				EPH, Soil, 4 Diesel PAHs		8/20/01	8/20/01
				Percent Moisture			8/15/01
				TPH by GC/FID (modified 8015B)		8/23/01	8/24/01
0108115-02A	Wall Hole - Bottom - West			Volatile Petroleum Hydrocarbons		8/14/01	8/16/01
0108115-02B				EPH, Soil, 4 Diesel PAHs		8/20/01	8/20/01
				Percent Moisture			8/15/01
				TPH by GC/FID (modified 8015B)		8/23/01	8/24/01

AMRO Environmental Laboratories Corporation

SAMPLE RECEIPT CHECKLIST

111 Herrick Street
Merrimack, NH 03054
(603) ~~424-2022~~

Client: ENPRO
Project Name: 139 Brown School
Ship via: (circle one) Fed Ex., UPS (AMRO Courier)
Hand Del., Other Courier. Other:

AMRO ID: 0108115
Date Rec.: 8-14-01
Date Due: 8-21-01

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?			✓	
2. Custody Seals present?			✓	
3. Custody Seals Intact?			✓	
4. Air Bill included in folder if received?			✓	
5. Is COC included with samples?	✓			
6. Is COC signed and dated by client?	✓			
7. Laboratory receipt temperature. TEMP = 3°				
Samples rec. with ice ✓ ice packs ___ neither ___				
8. Were samples received the same day they were sampled?		✓		
Is client temperature 4°C ± 2°C?	✓			
If no obtain authorization from the client for the analyses.				
Client authorization from: Date: Obtained by:				
9. Is the COC filled out correctly and completely?	✓			
10. Does the info on the COC match the samples?	✓			
11. Were samples rec. within holding time?	✓			
12. Were all samples properly labeled?	✓			
13. Were all samples properly preserved?	✓			
14. Were proper sample containers used?	✓			
15. Were all samples received intact? (none broken or leaking)	✓			
16. Were VOA vials rec. with no air bubbles?			✓	
17. Were the sample volumes sufficient for requested analysis?	✓			
18. Were all samples received?	✓			
19. VPH and VOA Soils only:	✓			
Sampling Method VPH (circle one): (M=Methanol), E=EnCore (air-tight container)				
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?	✓			
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?	✓			
If NO then client must be faxed.				
Were vials provided by AMRO?	✓			
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?	✓			
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:			✓	
What samples sent:				
Where sent:				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	✓			
Dry Weight Log?	✓			
Client Log?			✓	
Composite Log?			✓	
Filtration Log?			✓	

Received By: CC Date: 8-14-01 Logged in By: CC Date: 8-15-01
Labeled By: CC Date: 8-15-01 Checked By: MG Date: 8-15-01

NA= Not Applicable

ENPRO Services Inc.

12 Mulliken Way
Newburyport, MA 01950

3568

CHAIN OF CUSTODY RECORD

Job No.	Job Name	State
1379	Bow School	MA

Samplers *(Signature)*

Date	Time	Comp.	Grab	Sample Number	Type, Size, & No. of Containers	MATRIX Water - A Soil/Solid-S Waste-W Other-O	Explain	TPH 4 Trap	VOH 1 ml Trap					Remarks
8/10/01	1:30	X		Wall Hole - Bottom - East	1x8oz 2x40ml	S		X	X					
8/10/01	1:45	X		Wall Hole - Bottom - West		S		X	X					

Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*	Fax to (phone) (978) 465-2050	Send Results to:
	8/10/01 4:30 pm	8/14/01 4:55	Results needed 5 d., TAT	ENPRO Services, Inc. 12 Mulliken Way Newburyport, MA 01950 Attn: Walt Brown
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*	PO# 68793	
Relinquished by: *(Signature)*	Date Time	Received by *(Signature)*	Laboratory Project No. 0108115	Remarks
Relinquished by: *(Signature)*	Date Time 8/10/01 1600	Received for Laboratory by: *(Signature)*	Seal Intact? Yes No N/A	

The Commonwealth of Massachusetts

Department of Environmental Protection

Division of Environmental Analysis

Senator William X. Wall Experiment Station

certifies

M-NH012

AMRO ENVIRONMENTAL LAB
111 HERRICK ST
MERRIMACK, NH 03054-0000

Laboratory Director: Nancy Stewart

for the analysis of NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (CHEMISTRY)

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.

Issued: 01 JUL 2001

Expires: 30 JUN 2002

Director, Division of Environmental Analysis

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 JUL 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2001 Expiration Date 30 JUN 2002

Analytes and Methods

ALUMINUM	EPA 200.7	NITRATE-N	EPA 353.2
ANTIMONY	EPA 200.7	KJELDAHL-N	EPA 351.1
ANTIMONY	EPA 204.2	KJELDAHL-N	EPA 351.2
ARSENIC	EPA 200.7	ORTHOPHOSPHATE	EPA 365.2
ARSENIC	EPA 206.2	ORTHOPHOSPHATE	EPA 300.0
ARSENIC	ASTM D2972-93(C)	TOTAL PHOSPHORUS	EPA 365.2
BERYLLIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	EPA 410.4
CADMIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND	HACH METHOD 80
CHROMIUM	EPA 200.7	BIOCHEMICAL OXYGEN DEMAND	EPA 405.1
COBALT	EPA 200.7	TOTAL CYANIDE	EPA 335.2
COPPER	EPA 200.7	NON-FILTERABLE RESIDUE	EPA 160.2
IRON	EPA 200.7	TOTAL RESIDUAL CHLORINE	SM 4500-CL-G
LEAD	EPA 200.7	OIL AND GREASE	EPA 413.1
LEAD	EPA 239.2	TOTAL PHENOLICS	EPA 420.1
MANGANESE	EPA 200.7	VOLATILE HALOCARBONS	EPA 624
MERCURY	EPA 245.1	VOLATILE AROMATICS	EPA 624
MOLYBDENUM	EPA 200.7	CHLORDANE	EPA 608
NICKEL	EPA 200.7	ALDRIN	EPA 608
SELENIUM	EPA 200.7	DIELDRIN	EPA 608
SELENIUM	EPA 270.2	DDD	EPA 608
SILVER	EPA 200.7	DDT	EPA 608
STRONTIUM	EPA 200.7	HEPTACHLOR	EPA 608
THALLIUM	EPA 200.7	HEPTACHLOR EPOXIDE	EPA 608
THALLIUM	EPA 279.2	POLYCHLORINATED BIPHENYLS (WATER)	EPA 608
ZINC	EPA 200.7	POLYCHLORINATED BIPHENYLS (OIL)	EPA 600/4-81-045
PH	EPA 150.1		
SPECIFIC CONDUCTIVITY	EPA 120.1		
TOTAL DISSOLVED SOLIDS	EPA 160.1		
TOTAL HARDNESS (CACO3)	EPA 200.7		
CALCIUM	EPA 200.7		
MAGNESIUM	EPA 200.7		
SODIUM	EPA 200.7		
POTASSIUM	EPA 200.7		
TOTAL ALKALINITY	EPA 310.1		
CHLORIDE	EPA 325.3		
CHLORIDE	EPA 300.0		
FLUORIDE	EPA 340.2		
FLUORIDE	EPA 300.0		
SULFATE	EPA 375.4		
SULFATE	EPA 300.0		
AMMONIA-N	EPA 350.2		
NITRATE-N	EPA 300.0		

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 09 JUL 2001

M-NH012 AMRO ENVIRONMENTAL LAB
MERRIMACK NH

POTABLE WATER (CHEMISTRY) Effective Date 09 JUL 2001 Expiration Date 30 JUN 2002

Analytes and Methods	
ANTIMONY	EPA 200.9
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
LEAD	EPA 200.9
MERCURY	EPA 245.1
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	EPA 300.0
FLUORIDE	SM 4500-F-E
SULFATE	EPA 300.0
CYANIDE	SM 4500-CN-C,E
TURBIDITY	EPA 180.1
RESIDUAL FREE CHLORINE	SM 4500-CL-G
CALCIUM	EPA 200.7
TOTAL ALKALINITY	SM 2320B
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1

APPENDIX 3

Massachusetts Department of Environmental Protection **BWSC-104**
Bureau of Waste Site Cleanup

RESPONSE ACTION OUTCOME (RAO) STATEMENT & DOWNGRADIENT PROPERTY STATUS TRANSMITTAL FORM

Pursuant to 310 CMR 40.0180 (Subpart B), 40.0580 (Subpart E) & 40.1056 (Subpart J)

Release Tracking Number: 3 - 20517

A. SITE OR DOWNGRADIENT PROPERTY LOCATION:

Site Name: (optional) _____

Street: 40 Milk Street Location Aid: Brown School

City/Town: Newburyport ZIP Code: 01950-0000

☐ Check here if this Site location is Tier Classified. If a Tier I Permit has been issued, state the Permit Number: _____

Related Release Tracking Numbers that this Form Addresses: _____

If submitting an RAO Statement, you must document the location of the Site or the location and boundaries of the Disposal Site subject to this Statement. If submitting an RAO Statement for a PORTION of a Disposal Site, you must document the location and boundaries for both the portion subject to this submittal and, to the extent defined, the entire Disposal Site. If submitting a Downgradient Property Status Submittal, you must provide a site plan of the property subject to the submittal and, to the extent defined, the Disposal Site.

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

☑ Submit a **Response Action Outcome (RAO) Statement** (complete Sections A, B, C, D, E, F, H, I, J and L).

☐ Check here if this is a revised RAO Statement. Date of Prior Submittal: _____

☐ Check here if any Response Actions remain to be taken to address conditions associated with any of the Releases whose Release Tracking Numbers are listed above. This RAO Statement will record only an RAO-Partial Statement for those Release Tracking Numbers.

Specify Affected Release Tracking Numbers: _____

☐ Submit an optional **Phase I Completion Statement supporting an RAO Statement or Downgradient Property Status Submittal** (complete Sections A, B, H, I, J, and L).

☐ Submit a **Downgradient Property Status Submittal** (complete Sections A, B, G, H, I, J and K).

☐ Check here if this is a revised Downgradient Property Status Submittal. Date of Prior Submittal: _____

☐ Submit a **Termination of a Downgradient Property Status Submittal** (complete Sections A, B, I, J and L).

☐ Submit a **Periodic Review Opinion evaluating the status of a Temporary Solution** (complete Sections A, B, H, I, J and L).

Specify one: ☐ For a Class C RAO ☐ For a Waiver Completion Statement indicating a Temporary Solution

Provide Submittal Date of RAO Statement or Waiver Completion Statement: _____

You must attach all supporting documentation required for each use of form indicated, including copies of any Legal Notices and Notices to Public Officials required by 310 CMR 40.1400.

C. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply)

☐ Assessment and/or Monitoring Only

☑ Removal of Contaminated Soils

☑ Re-use, Recycling or Treatment

○ On Site ◉ Off Site Est. Vol.: 55 cubic yards

Describe: Recycled at ARC, Eliot, ME

☐ Landfill ○ Cover ○ Disposal Est. Vol.: _____ cubic yards

☐ Removal of Drums, Tanks or Containers

Describe: _____

☑ Removal of Other Contaminated Media

Specify Type and Volume: 4 drms oily sorbents, debris

☐ Other Response Actions

Describe: _____

☑ Deployment of Absorbant or Contaminent Materials

☐ Temporary Covers or Caps

☐ Bioremediation

☐ Soil Vapor Extraction

☐ Structure Venting System

☐ Product or NAPL Recovery

☐ Groundwater Treatment Systems

☐ Air Sparging

☐ Temporary Water Supplies

☐ Temporary Evacuation or Relocation of Residents

☐ Fencing and Sign Posting

SECTION C IS CONTINUED ON THE NEXT PAGE.

RESPONSE ACTION OUTCOME (RAO) STATEMENT & DOWNGRADIENT PROPERTY STATUS TRANSMITTAL FORM

Pursuant to 310 CMR 40.0180 (Subpart B), 40.0580 (Subpart E) & 40.1056 (Subpart J)

Release Tracking Number: 3 - 20517

C. DESCRIPTION OF RESPONSE ACTIONS: (continued)

☐ Check here if any Response Action(s) that serve as the basis for this RAO Statement involve the use of Innovative Technologies. (DEP is interested in using this information to create an Innovative Technologies Clearinghouse.)

Describe Technologies: _____

D. TRANSPORT OF REMEDIATION WASTE: (if Remediation Waste was sent to an off-site facility, answer the following questions)

Name of Facility: Env. Compliance Corporation; ARC

Town and State: Stoughton, MA; Eliot, ME

Quantity of Remediation Waste Transported to Date: 4 drm oil sorb.,debris;84 T PCS

E. RESPONSE ACTION OUTCOME CLASS:

Specify the Class of Response Action Outcome that applies to the Site or Disposal Site. Select **ONLY** one Class:

☐ **Class A-1 RAO:** Specify one of the following:

◯ Contamination has been reduced to background levels. ◯ A Threat of Release has been eliminated.

☑ **Class A-2 RAO:** You **MUST** provide justification that reducing contamination to background levels is infeasible.

☐ **Class A-3 RAO:** You **MUST** provide both an implemented Activity and Use Limitation (AUL) and justification that reducing contamination to background levels is infeasible.

If applicable, provide the earlier of the AUL expiration date or date the design life of the remedy will end: _____

☐ **Class B-1 RAO:** Specify one of the following:

◯ Contamination is consistent with background levels ◯ Contamination is **NOT** consistent with background levels.

☐ **Class B-2 RAO:** You **MUST** provide an implemented AUL.

If applicable, provide the AUL expiration date : _____

☐ **Class C RAO:** ☐ Check here if you will conduct post-RAO Operation, Maintenance and Monitoring at the Site.

Specify One: ◯ Passive Operation and Maintenance ◯ Monitoring Only

◯ Active Operation and Maintenance (defined at 310 CMR 40.0006)

F. RESPONSE ACTION OUTCOME INFORMATION:

☑ If an RAO Compliance Fee is required, check here to certify that the fee has been submitted. You **MUST** attach a photocopy of the payment.

☐ Check here if submitting one or more AULs. You must attach an AUL Transmittal Form (BWSC-113) and a copy of each implemented AUL related to this RAO Statement. Specify the type of AUL(s) below: (required for all Class A-3 RAOs and Class B-2 RAOs)

◯ Notice of Activity and Use Limitation ◯ Grant of Environmental Restriction Number of AULs attached: _____

Specify the Risk Characterization Method(s) used to achieve the RAO described above and all Soil and Groundwater Categories applicable to the Site.

More than one Soil Category and more than one Groundwater Category may apply at a Site.
Be sure to check off all APPLICABLE categories, even if more stringent soil and groundwater standards were met.

Risk Characterization Method(s) Used:	☑ Method 1	☐ Method 2	☐ Method 3
Soil Category(ies) Applicable:	☑ S-1	☑ S-2	☑ S-3
Groundwater Category(ies) Applicable:	☐ GW-1	☑ GW-2	☑ GW-3

> **When submitting any Class A-1 RAO or a Class B-1 RAO where contamination is consistent with background levels, do NOT specify a Risk Characterization Method.**

> **When submitting any Class A-2 RAO or a Class B-1 RAO where contamination is NOT consistent with background levels, you cannot use an AUL to maintain a level of no significant risk. Therefore, you must meet S-1 Soil Standards, if using Risk Characterization Method 1.**

RESPONSE ACTION OUTCOME (RAO) STATEMENT & DOWNGRADIENT PROPERTY STATUS TRANSMITTAL FORM

Pursuant to 310 CMR 40.0180 (Subpart B), 40.0580 (Subpart E) & 40.1056 (Subpart J)

Release Tracking Number: 3 - 20517

G. DOWNGRADIENT PROPERTY STATUS SUBMITTAL:

☐ If a Downgradient Property Status Submittal Compliance Fee is required, check here to certify that the fee has been submitted. You **MUST** attach a photocopy of the payment.

☐ Check here if a Release(s) of Oil or Hazardous Material(s), other than that which is the subject of this submittal, has occurred at this property.

Release Tracking Number(s): _____

◯ Check here if the Releases identified above require further Response Actions pursuant to 310 CMR 40.0000.

Required documentation for a Downgradient Property Status Submittal includes, but is not limited to, copies of notices provided to owners and operators of both upgradient and downgradient abutting properties and of any known or suspected source properties.

H. LSP OPINION:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and (iii) the provisions of 309 CMR 4.03(5), to the best of my knowledge, information and belief,

> *if Section B indicates that a **Downgradient Property Status Submittal** is being provided,* the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii)
is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in 310 CMR 40.0183(2)(b), and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> *if Section B indicates that either an **RAO Statement, Phase I Completion Statement and/or Periodic Review Opinion** is being provided,* the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal.

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

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

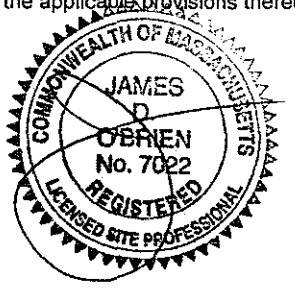
LSP Name: James D. O'Brien LSP #: 7022 Stamp:

Telephone: 978-465-1595 Ext.: _____

FAX: (optional) 978-465-2050

Signature: James O'Brien

Date: 30 November 2001



I. PERSON MAKING SUBMITTAL:

Name of Organization: City of Newburyport, Superintendent of Schools

Name of Contact: Eugene Case Title: Ass't Superintendent

Street: 70 Low Street

City/Town: Newburyport State: MA ZIP Code: 01950-0000

Telephone: 978-465-4456 Ext.: _____ FAX: (optional) _____

J. RELATIONSHIP TO SITE OF PERSON MAKING SUBMITTAL: (check one)

☑ RP or PRP Specify: ◉ Owner ◯ Operator ◯ Generator ◯ Transporter Other RP or PRP: _____

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

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

☐ Any Other Person Submitting This Form Specify Relationship: _____

RESPONSE ACTION OUTCOME (RAO) STATEMENT – DOWNGRADIENT PROPERTY STATUS TRANSMITTAL FORM

Pursuant to 310 CMR 40.0180 (Subpart B), 40.0580 (Subpart E) & 40.1056 (Subpart J)

3 - 2051

CERTIFICATION OF PERSON SUBMITTING DOWNGRADIENT PROPERTY STATUS SUBMITTAL:

_____, attest under the pains and penalties of perjury (i) that I have personally examined and n familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form; (ii) that, based on y inquiry of the/those individual(s) immediately responsible for obtaining the information, the material information contained herein is, to the best f my knowledge, information and belief, true, accurate and complete; (iii) that, to the best of my knowledge, information and belief, I/the person(s) r entity(ies) on whose behalf this submittal is made satisfy(ies) the criteria in 310 CMR 40.0183(2); (iv) that I/the person(s) or entity(ies) on whose behalf this submittal is made have provided notice in accordance with 310 CMR 40.0183(5); and (v) that I am fully authorized to make this attestation on behalf of the person(s) or entity(ies) legally responsible for this submittal. I/the person(s) or entity(ies) on whose behalf this submittal is made is/are aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

By: _____ Title: _____
(signature)

For _____ Date: _____
(print name of person or entity recorded in Section I)

Enter address of the person providing certification, if different from address recorded in Section I:

Street: _____

City/Town: _____ State _____ ZIP Code: _____

Telephone: _____ Ext. _____ FAX: (optional) _____

L. CERTIFICATION OF PERSON MAKING SUBMITTAL:

If you are completing only a Downgradient Property Status Submittal, you do not need to complete this section of the form.

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

By: Eugene E. Carew Title: Asa't Superintendent
(signature)

For City of Newburyport, Sup't of Schools Date: 4/20/01
(print name of person or entity recorded in Section I)

Enter address of the person providing certification, if different from address recorded in Section I:

Street: _____

City/Town: _____ State _____ ZIP Code: _____

Telephone: _____ Ext. _____ FAX: (optional) _____

YOU MUST COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE, AND YOU MAY INCUR ADDITIONAL COMPLIANCE FEES.

Massachusetts Department of Environmental Protection **BWSC-105**
Bureau of Waste Site Cleanup

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number: 3 - 20517

A. RELEASE OR THREAT OF RELEASE LOCATION:

Release Name: (optional)

Street: 40 Milk Street Location Aid: Brown School

City/Town: Newburyport ZIP Code: 01950-0000

☐ Check here if a Tier Classification Submittal has been provided to DEP for this Release Tracking Number.

☐ Check here if this location is Adequately Regulated, pursuant to 310 CMR 40.0110-0114.

Specify Program: ☐ CERCLA ☐ HSWA Corrective Action ☐ Solid Waste Management ☐ RCRA State Program (21C Facilities)

Related Release Tracking Numbers That This IRA Addresses:

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

☐ Submit an **IRA Plan** (complete Sections A, B, C, D, E, H, I, J and K).

☐ Check here if this IRA Plan is an update or modification of a previously approved written IRA Plan. Date Submitted:

☐ Submit an **Imminent Hazard Evaluation** (complete Sections A, B, C, F, H, I, J and K).

☐ Submit an **IRA Status Report** (complete Sections A, B, C, E, H, I, J and K).

☐ Submit a **Request to Terminate an Active Remedial System and/or Terminate a Continuing Response Action(s) Taken to Address an Imminent Hazard** (complete Sections A, B, C, D, E, H, I, J and K).

☑ Submit an **IRA Completion Statement** (complete Sections A, B, C, D, E, G, H, I, J and K).

You must attach all supporting documentation required for each use of form indicated, including copies of any Legal Notices and Notices to Public Officials required by 310 CMR 40.1400.

C. RELEASE OR THREAT OF RELEASE CONDITIONS THAT WARRANT IRA:

Identify Media and Receptors Affected: (check all that apply)

☐ Air ☐ Groundwater ☐ Surface Water ☐ Sediments ☑ Soil

☐ Wetland ☐ Storm Drain ☐ Paved Surface ☐ Private Well ☐ Public Water Supply ☐ Zone 2 ☐ Residence

☑ School ☐ Unknown ☐ Other Specify: Release to boiler room/subfloor soil at school

Identify Conditions That Require IRA, Pursuant to 310 CMR 40.0412: (check all that apply)

☑ 2 Hour Reporting Condition(s) ☐ 72 Hour Reporting Condition(s) ☐ Substantial Release Migration ☐ Other Condition(s)

Describe: Release of approximately 40 gal of #2 fuel oil, exceeding RQ of 10 gal

Identify Oils and Hazardous Materials Released: (check all that apply)

☑ Oils ☐ Chlorinated Solvents ☐ Heavy Metals

☐ Others Specify: # 2 Fuel Oil

D. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply)

☐ Assessment and/or Monitoring Only

☑ Excavation of Contaminated Soils

☑ Re-use, Recycling or Treatment

○ On Site ◉ Off Site Est. Vol.: 55 cubic yards

Describe: Recycled at ARC, Eliot, ME

☐ Store ○ On Site ○ Off Site Est. Vol.: _____ cubic yards

☐ Landfill ○ Cover ○ Disposal Est. Vol.: _____ cubic yards

☐ Removal of Drums, Tanks or Containers

Describe:

☑ Deployment of Absorbent or Containment Materials

☐ Temporary Covers or Caps

☐ Bioremediation

☐ Soil Vapor Extraction

☐ Structure Venting System

☐ Product or NAPL Recovery

☐ Groundwater Treatment Systems

☐ Air Sparging

☐ Temporary Water Supplies

SECTION D IS CONTINUED ON THE NEXT PAGE.

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number: 3 - 20517

D. DESCRIPTION OF RESPONSE ACTIONS (continued):

☑ Removal of Other Contaminated Media

Specify Type and Volume: 4 drums oily sorbents, debris

☐ Temporary Evacuation or Relocation of Residents

☐ Fencing and Sign Posting

☐ Other Response Actions Describe:

☐ Check here if this IRA involves the use of Innovative Technologies (DEP is interested in using this information to aid in creating an Innovative Technologies Clearinghouse).

Describe Technologies:

E. TRANSPORT OF REMEDIATION WASTE: (if Remediation Waste has been sent to an off-site facility, answer the following questions)

Name of Facility: Environmental Compliance Corporation: ARC

Town and State: Stoughton, MA; Eliot, ME

Quantity of Remediation Waste Transported to Date: 4 drm oily sorb.,debris;84T PCS

F. IMMINENT HAZARD EVALUATION SUMMARY: (check one of the following)

☐ Based upon an evaluation, an Imminent Hazard exists in connection with this Release or Threat of Release.

☐ Based upon an evaluation, an Imminent Hazard does not exist in connection with this Release or Threat of Release.

☐ Based upon an evaluation, it is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release, and further assessment activities will be undertaken.

☐ Based upon an evaluation, it is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release. However, response actions will address those conditions that could pose an Imminent Hazard.

G. IRA COMPLETION STATEMENT:

☐ Check here if future response actions addressing this Release or Threat of Release will be conducted as part of the Response Actions planned for a Site that has already been Tier Classified under a different Release Tracking Number, or a Site that is identified on the Transition List as described in 310 CMR 40.0600 (i. e., a Transition Site, which includes Sites with approved Waivers). These additional response actions must occur according to the deadlines applicable to the earlier Release Tracking Number (i. e., Site ID Number).

State Release Tracking Number (i. e., Site ID Number) of Tier Classified Site or Transition Site:

If any Remediation Waste will be stored, treated, managed, recycled or reused at the site following submission of the IRA Completion Statement, you must submit either a Release Abatement Measure (RAM) Plan or a Phase IV Remedy Implementation Plan, along with the appropriate transmittal form, as an attachment to the IRA Completion Statement.

H. LSP OPINION:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and (iii) the provisions of 309 CMR 4.03(5), to the best of my knowledge, information and belief,

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

> *if Section B of this form indicates that an* ***Imminent Hazard Evaluation*** *is being submitted,* this Imminent Hazard Evaluation was developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and the assessment activity(ies) undertaken to support this Imminent Hazard Evaluation complies(y) with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000;

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

> *if Section B of this form indicates that an* ***Immediate Response Action Completion Statement*** *or a* ***Request to Terminate an Active Remedial System and/or Terminate a Continuing Response Action(s) Taken to Address an Imminent Hazard*** *is being submitted,* the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal.

SECTION H IS CONTINUED ON THE NEXT PAGE.

Massachusetts Department of Environmental Protection **BWSC-105**
Bureau of Waste Site Cleanup

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

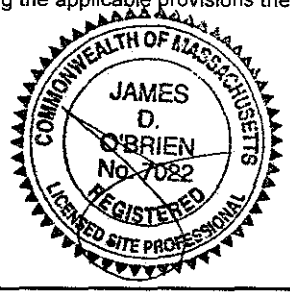
Release Tracking Number: 3 - 20517

H. LSP Opinion (continued):

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

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

LSP Name: James D. O'Brien LSP #: 7022 Stamp:



Telephone: 978-465-1595 Ext.:

FAX: (optional)

Signature: James O'Brien

Date: 30 November 2001

I. PERSON UNDERTAKING IRA:

Name of Organization: City of Newburyport, Superintendent of Schools

Name of Contact: Eugene Case Title: Assistant Superintendent

Street: 70 Low Street

City/Town: Newburyport State: MA ZIP Code: 01950-0000

Telephone: 978-465-4456 Ext.: FAX: (optional)

☐ Check here if there has been a change in the person undertaking the IRA.

J. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON UNDERTAKING IRA: (check one)

☑ RP or PRP Specify: ◉ Owner ○ Operator ○ Generator ○ Transporter Other RP or PRP:

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

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

☐ Any Other Person Undertaking IRA Specify Relationship:

K. CERTIFICATION OF PERSON UNDERTAKING IRA:

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

By: Eugene E. Case (signature) Title: Assistant Superintendent

For City of Newburyport, Sup't of Schools (print name of person or entity recorded in Section I) Date: 11/20/01

Enter address of the person providing certification, if different from address recorded in Section I:

Street:

City/Town: State: ZIP Code:

Telephone: Ext. FAX: (optional)

YOU MUST COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

ENPRO SERVICES, INC.

DATE	INVOICE NO.	DESCRIPTION	AMOUNT	DISCOUNT	NET AMOUNT
/30/01	113001	RAO Fee job # 1379-00	750.00		750.00
1 /30/01	017983	****CHECK TOTAL:	750.00		750.00

ENPRO SERVICES, INC.
12 MULLIKEN WAY
NEWBURYPORT, MA 01950
978-465-1595

WARREN BANK 53-7163/2113
Warren Five Cents Savings Bank
Peabody, Massachusetts 01960

No. 017983

******** 750 DOLLARS AND 00 CENTS *********	DATE	CHECK NO.	PAYEE I.D.
	11/30/01	017983	

PAY THIS AMOUNT
$***750.00

PAY TO THE ORDER OF

- Commonwealth of Massachusetts

MP

⑈017983⑈ ⑆211371638⑆ 168004969⑈

SMITH & WESSEL ASSOCIATES, INC.
HAZARDOUS BUILDING MATERIALS AND AIR QUALITY SPECIALISTS

8 CHURCH STREET
MERRIMAC, MA 01860

TELEPHONE: (978) 346-4800
FAX: (978) 346-7265

AHERA 3-YEAR RE-INSPECTION REPORT

NEWBURYPORT PUBLIC SCHOOLS

Brown Elementary School
Newburyport, Massachusetts

Prepared for:
Mr. Gene Case
Newburyport Public Schools
70 Low Street
Newburyport, Massachusetts 01950

Prepared by:
Smith and Wessel Associates, Inc.
8 Church Street
Merrimac, Massachusetts 01860

Project 98055

August 18, 1998

William McCarriston
Asbestos Inspector #AI-30901
Management Planner # AP-30902

CONTENTS

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1. Scope of Work	1
2. File Review	2
3. Findings	3
4. Conclusions and Recommendations	5

APPENDICES

Appendix A Inventory of Known or Assumed ACBM

Appendix B Certificates of Analysis

1. SCOPE OF WORK

The Newburyport Public School District retained Smith & Wessel Associates, Inc. to conduct an asbestos reinspection of the Brown Elementary School in the Newburyport Public Schools. This was performed to comply with the Asbestos Hazard Emergency Response Act (AHERA, 40 CFR 763), which requires that all known and assumed asbestos-containing building materials (ACBM) be reinspected every three years.

An initial inspection of the Brown Elementary School was conducted in 1989 by Universal Engineering Corporation, Inc. (UEC), of Boston, Massachusetts, at which time a comprehensive inspection for ACBM was conducted throughout the school. The purpose of the reinspection is to reassess the condition of ACBM remaining in the buildings, and based on the results of the reassessment, to provide appropriate recommendations for response actions.

The reinspection was conducted on April 17, 1998 by William McCarriston, who is an accredited asbestos inspector and management planner.

The reinspection included the following tasks:

- We reviewed the school district's documentation related to asbestos issues, including the initial inspection report, reports on abatement projects conducted since the initial inspection, six-month surveillance inspections and the three year reinspection reports;
- Based on this review and reinspection, we updated the inventory of ACBM provided in Section 4 of the UEC report;
- We walked through those areas where previously identified ACBM were known to exist and visually reinspected and reassessed the ACBM;
- Material previously identified as nonfriable (i.e. not easily crumbled, pulverized, or reduced to powder) was touched to determine if it had become friable; and
- Although not required by AHERA, if suspect materials were observed that were not identified in the initial inspection, they were noted and if friable, sampled as well.

The asbestos content of some suspect building materials had not been identified in the UEC report or had not been adequately sampled. At the direction of Newburyport Schools, we conducted additional bulk sampling during the reinspection to determine the asbestos content of these materials. We sampled these materials following AHERA protocol using strict chain-of-custody procedures.

Bulk samples were collected by extracting a small but representative portion of suspect material from the substrate. The samples, typically measuring one cubic centimeter, were collected using a variety of methods. A knife with a lockable blade was used to collect samples of ceiling tile, duct insulation, gypsum wallboard, plaster, cement board and other rigid materials. Samples of floor tile and linoleum sheeting were collected using a

hammer and chisel. The extracted samples were then placed into Wonder-Lok plastic bags and properly secured for transport to the laboratory. Samples were collected with discretion, so as to minimize potential fiber release and to prevent damage to building finishes. The substrates from which samples were collected were repaired using caulking, sealant, or other appropriate patching material.

The samples were analyzed by Scientific Laboratories, Inc., of New York, NY, a fully accredited asbestos analytical laboratory. The laboratory used Polarized Light Microscopy (PLM), in accordance with the requirements of 40 CFR 763, Subpart F, Appendix A, to analyze the samples. This method, which uses Polarized Light Microscopy (PLM), is sensitive to the presence of asbestos fibers, at less than one percent of the sample composition. However, PLM is not consistently reliable in detecting asbestos in floor tiles. Therefore, if less than one- percent asbestos is detected in a floor tile, we recommend that the analysis be confirmed using Transmission Electron Microscopy (TEM).

Limitations

Smith & Wessel Associates, Inc. primarily evaluated building materials in the school that were known or assumed to contain asbestos. Areas of the school where no ACBM had been identified or where all ACBM had been removed, either were not reinspected or included only a cursory inspection. As a matter of course, we did not inspect for additional types and locations of suspect building materials. However, if additional suspect material were noted during the course of reinspecting known or presumed ACBM, we did evaluate such additional materials.

2. FILE REVIEW

We reviewed the files of the asbestos records kept in the Newburyport Public School Assistant Superintendent's Office. These included: (1) the initial inspection report prepared by UEC, Inc. and (2) documentation pertaining to the asbestos abatement report prepared by UEC, Inc. The asbestos inventory (Section 3 of this report) was reviewed and updated. All of the ACBM identified by UEC, Inc. are listed in Section 4.0 of the initial inspection report.

Upon review of the Management Plan document, Smith & Wessel noted several potential shortcomings. These include:

- A procedure or form for notifying short-term workers of the presence of ACBM that they may come in contact with. The AHERA regulation 763.84 (d) requires that the Local Education Agency (LEA) provide information regarding the locations of ACBM and suspected ACBM to be assumed ACM to short-term workers (e.g., telephone repair workers, utility workers or exterminators) who may come in contact with asbestos in the school.

- The record of the annual notification to building occupant document regarding the status of the management plan, ACBM related activities and the availability of the Management Plan for review.

- Records regarding periodic surveillance activities from 1992 to 1998.

If these records are available, they should be added to the management plan. In the future, this documentation should be carefully maintained and added to the plan.

3. FINDINGS

Nonfriable and friable ACBM still remain in the school building. The detailed list of the location and assessment of each material is included in Appendix A in the Inventory of Known and Assumed ACBM.

During the initial AHERA inspection, UEC identified corrugated paper-type pipe insulation in the boiler room, stage, basement storage areas and kitchen storage; preformed tank insulation in the boiler room; and brown patterned linoleum sheeting in the main office area, classrooms and hallways throughout the school.

During this 3-year reinspection, twelve (12) additional types of suspect ACBM were noted at this school. We collected representative samples and submitted them to the laboratory for analysis. We also collected additional samples of wall plaster and various types of ceiling tiles to assure the total number of samples collected were at least as many as that are mandated by AHERA protocol. Based on this sampling, the following materials were identified as ACBM (i.e. contained greater than one percent asbestos).

- Condensate sink mastic
- Mastic underlying brown baseboard molding
- Mastic underlying beige baseboard molding
- Duct insulation
- Mastic underlying 12" x 12" ceiling tiles
- Rolled paper pipe insulation

Orange stair treads and associated mastic, 9" x 9" floor tile and associated mastic, and kiln insulation are presumed ACBM.

Table 1. • List of Suspect Asbestos-Containing Building Materials		
Type of material	**Location(s) observed**	**Asbestos Content**
Gypsum wallboard/joint compound wall system	3rd and 2nd Floor bathroom areas and various classrooms on the first floor	No asbestos detected
Rolled paper pipe insulation	Kitchen storage area and adjacent hallway	**18% total asbestos content**
12" x 12" tan speckled floor tile and associated mastic	3rd Floor hallway and 2nd floor hallway	No asbestos detected
Orange stair treads and associated mastic	Main staircase	**Presumed ACBM**
Condensate sink mastic	Art room and classroom #13	**3.3% total asbestos content**
Kiln insulation	Art Room	**Presumed ACBM**
Brown covebase molding	3rd, 2nd and 1st floor classrooms	No asbestos detected
Mastic underlying brown baseboard molding	3rd, 2nd and 1st floor classrooms	**3.3% total asbestos content**
Tan baseboard molding	3rd, 2nd floor and 1st floor hallways	No asbestos detected
Mastic underlying tan baseboard molding	3rd, 2nd floor and 1st floor hallways	**4.5% total asbestos content**
Duct insulation	Stage area and former locker room	**57% total asbestos content**
12" x 12" ceiling tiles	Hallway outside women's room next to gymnasium	No asbestos detected
Mastic underlying 12" x 12" ceiling tiles	Hallway outside women's room next to gymnasium	**6.6% total asbestos content**
9" x 9" floor tile and associated mastic	Kitchen and adjacent hallway	**Presumed ACBM**

The pipe and fitting insulation located throughout the school is in good condition. The tank insulation in the boiler room is in good condition; it had been covered with rewettable fiberglass cloth. The duct insulation located on the stage and in the former locker room area is in good condition; it has been covered with rewettable fiberglass cloth.

The brown patterned linoleum sheeting located throughout the entire school is in good condition. The mastic underlying the tan and brown baseboard molding is present behind the baseboard; thus, it is not accessible. The glue daubs for the 12" x 12" ceiling tiles in the hallway outside the gymnasium generally are covered by tile so they are not accessible; however, several of the glue daubs are exposed above the suspended ceiling tiles. The condensate sink mastic in the art room and room 13 is in good condition.

The orange stair treads and the kiln insulation are presumed ACBM. They are in good condition.

The 9" x 9" floor tiles present in the kitchen and the adjacent hallway are in good condition. The asbestos in the floor tile and in the adhesives for floor tile are bound in a resinous matrix. Therefore, the hazard associated with potential fiber release is minimal under conditions of normal occupancy. However, these materials can become airborne during removal operations, or if they are sanded or abraded. At this time, if mastics were not sampled, we've assumed they are ACBM.

4. CONCLUSIONS AND RECOMMENDATIONS

Based on the findings of our reinspection of the Brown Elementary School in the Newburyport Public Schools, we conclude that

A. There is ACBM remaining in the school. The ACBM are in fair to good condition and are not susceptible to fiber release under normal operations. Friable and nonfriable ACBM that are damaged are highly susceptible to the release of asbestos fibers into the air if they are disturbed.

B. We observed several suspect ACBM that had not been addressed during the initial AHERA inspection by UEC. We either presumed that these materials were ACBM or sampled them. Nine additional materials were identified as ACBM or presumed ACBM.

C. Renovation, demolition, or other activities that impact ACBM may damage or cause fiber release from the ACBM. Flooring materials are susceptible to fiber release by sanding, drilling, abrading, or the use of high speed buffers or abrasive pads.

D. Some of the documentation required to be kept in the management plan is missing or unavailable.

Based on the above conclusions, we recommend that

A. Continue to maintain the identified ACBM in good condition per Management Plan requirements.

B. Any person categorized as a short-term worker who may contact ACBM should be notified in writing, regarding the location of all ACBM and suspect ACBM that he or she may encounter.

C. Provide training for the designated person in the following areas: health effects of asbestos, detection, identification and assessment of ACBM, options for controlling ACBM, asbestos management programs, knowledge of relevant Federal and State regulations governing asbestos management and abatement.

D. Ensure that all maintenance personnel assigned to the Newburyport Public Schools have or will receive, at the minimum, the two (2) hour asbestos-awareness training, as required by the AHERA regulation.

E. At least once every 6 months, conduct periodic surveillance of all known and assumed ACBM per 40 CFR Part 763.92 (b) (1).

APPENDIX A

TABLE - INVENTORY OF KNOWN AND ASSUMED ACBM

Brown Elementary School

INVENTORY OF KNOWN AND ASSUMED ACBM April, 1998 Three year reinspection School: Brown Elementary School

Homogeneous Area No.	Material	Location	Type	Friability	Conditions	Accessibility	Assessment	Response Action	PERIODIC SURVEILLANCE 6 month	12 month	18 month	24 month	30 month
HA-01	**Brown patterned linoleum sheeting**	**Main office area, classrooms and hallways throughout the school**	**TSI**	**F**	**Good**	**L**	**ND**	**O & M**					
The linoleum sheeting was observed in good condition.													
HA-02	Duct insulation	Stage area and former locker room areas	TSI	F	Fair	M	ND	O & M					
The insulation was observed in good condition and was covered with rewettable fiberglass cloth mesh.													
HA-04	Rolled paper pipe insulation	Kitchen storage area	TSI	F	Good	M	D	Repair O & M					
Minor contact damage was observed on the pipe insulation; it should be repaired using a bridging encapsulant or rewettable fiberglass mesh cloth													
HA-05	Kiln insulation	Art Room	Misc.	NF	Good	L	ND	O & M					
The kiln insulation was presumed ACBM; it was in good condition.													
HA-06	Condensate sink mastic	Art room and room 13	Misc.	NF	Good	L	ND	O & M					
The material is in good condition and bound in a resinous matrix which makes the material have a low potential for a fiber release.													
HA-07	Mastic underlying tan baseboard molding	2nd and 3rd floors in the hallways	Misc.	NF	Good	L	ND	O & M					
The material is in good condition, and it is covered by the non-asbestos containing baseboard molding.													
HA-08	**White performed tank insulation**	**Boiler room**	**TSI**	**F**	**Good**	**M**	**ND**	**O & M**					
The insulation was observed in good condition and was covered with rewettable fiberglass mesh cloth.													
HA-09	**Corrugated paper type pipe insulation**	**Boiler Room, stage, basement storage areas and kitchen storage**	**TSI**	**F**	**Good**	**M**	**ND**	**O & M**					
The corrugated paper type pipe insulation was observed in good condition.													

Material Type

TSI Thermal system insulation
Misc. Miscellaneous
Surf. Surfacing material

Friability

F Friability
NF Nonfriable

Accessibility

L Low
M Medium
H High

Assessment

ND No Damage
D Damage
PD Potential for damage
PSD Potential for Significant Damage

Response Action

O&M Operations & Maintenance
Repair Repair damaged material

INVENTORY OF KNOWN AND ASSUMED ACBM **April, 1998 Three year reinspection** **School: Brown Elementary School**

Homogeneous Area No.	Material	Location	Type	Friability	Conditions	Accessibility	Assessment	Response Action	PERIODIC SURVEILLANCE 6 month	12 month	18 month	24 month	30 month
HA-10	**Fitting insulation**	**Boiler room, stage area and basement storage areas**	**TSI**	**F**	**Good**	**M**	**ND**	**O &M**					
The insulation was observed in good condition and was covered with rewettable fiberglass cloth mesh.													
HA-11	Mastic underlying brown baseboard molding	2nd and 3rd floor classrooms	Misc.	NF	Good	L	ND	O & M					
The material is in good condition, and it is covered by the non-asbestos containing baseboard molding.													
HA-12	Orange stair tread and associated mastic	Main staircase in the school building	Misc.	NF	Good	L	ND	O & M					
The stair treads and associated mastic were presumed ACBM; they are in good condition.													
HA-13	9" x 9" grey floor tile and associated mastic	Kitchen and kitchen storage	Misc.	NF	Good	L	ND	O & M					
The floor tiles and associated mastic are in good condition.													
HA-14	Tectum ceiling tiles	Gymnasium	Misc.	NF	Good	L	ND	O & M					
The material was observed in good condition; it is presumed ACBM because of potential contamination from the asphaltic roof mastic above.													
HA-15	Mastic underlying 12" x 12" ceiling tiles	Hallway outside gymnasium by women's bathroom	Misc.	NF	Good	L	ND	O&M					
The asbestos-containing mastic was observed to be in good condition and has a very low likelihood for fiber release since it is covered with a non asbestos-containing ceiling tile.													

Please note that highlighted items were identified during the initial AHERA inspection performed by UEC.

Material Type

TSI Thermal system insulation
Misc. Miscellaneous
Surf. Surfacing material

Friability

F Friability
NF Nonfriable

Accessibility

L Low
M Medium
H High

Assessment

ND No Damage
D Damage
PD Potential for damage
PSD Potential for Significant Damage

Response Action

O&M Operations & Maintenance
Repair Repair damaged material

APPENDIX B

CERTIFICATES OF ANALYSIS

Environmental Lab Services

SCIENTIFIC LABORATORIES, INC.

117 E. 30th St. NY, NY 10016 212/679-8600 FAX: 212/679-9392

PLM Bulk Asbestos Report

Smith & Wessel Associates, Inc.
Attn: Dan Smith
8 Church Street
Merrimac, MA 01860

Date Received 6/29/98
Date Examined 6/29/98

SciLab Job No. 98067540
P.O. # 98055

RE: 98055; Brown Elementary School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1A	98067540-01	*No*	NAD

Location: Basement Art Storage Rm.

Description: White, Homogeneous, Bulk Material
Asbestos Types:
Other Material: Cellulose 40. %, Fibrous glass 35. %, Non-fibrous 25. %

2A	98067540-02	*Yes*	3.3 %
2			

Location: 1st. Fl. - Rm. 13 - Condensate Sink

Description: Pink, Homogeneous, Mastic
Asbestos Types: Chrysotile 3.3 %
Other Material: Cellulose 3. %, Non-fibrous 93.7 %

2B	98067540-03		NA/PS
2			

Location: 1st. Fl. - Rm. 13 - Condensate Sink

Description: Mastic
Asbestos Types:
Other Material:

3A	98067540-04	*No*	NAD
3			

Location: 2nd. Fl. - Rm. 20

Description: Brown, Homogeneous, Baseboard
Asbestos Types:
Other Material: Non-fibrous 100. %

3B	98067540-05	*No*	NAD
3			

Location: 2nd. Fl. - Rm. 25

Description: Brown, Homogeneous, Baseboard
Asbestos Types:
Other Material: Non-fibrous 100. %

SciLab

Environmental Lab Services

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Date Examined 6/29/98

SciLab Job No. 98067540
P.O. # 98055

RE: 98055; Brown Elementary School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
4A	98067540-06	*Yes*	3.3 %
4	**Location:** 2nd. Fl. - Rm. 20		
	Description: Brown, Homogeneous, Mastic		
	Asbestos Types: Anthophyllite 3.3 %		
	Other Material: Cellulose 2. %, Non-fibrous 94.7 %		
4B	98067540-07		NA/PS
4	**Location:** 2nd. Fl. - Rm. 25		
	Description: Mastic		
	Asbestos Types:		
	Other Material:		
5A	98067540-08	*No*	NAD
5	**Location:** 3rd. Fl. Hallway		
	Description: Beige, Homogeneous, Baseboard		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
5B	98067540-09	*No*	NAD
5	**Location:** 2nd. Fl. Hallway		
	Description: Beige, Homogeneous, Baseboard		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
6A	98067540-10	*No*	NAD
6	**Location:** 3rd. Fl. Hallway - Baseboard		
	Description: Brown, Homogeneous, Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

Environmental Lab Services

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Merrimac, MA 01860

Date Received 6/29/98
Date Examined 6/29/98

SciLab Job No. 98067540
P.O. # 98055

RE: 98055; Brown Elementary School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
6B	98067540-11	*Yes*	4.5 %
6	**Location:** 2nd. Fl. Hallway - Baseboard		
	Description: Brown, Homogeneous, Mastic		
	Asbestos Types: Anthophyllite 4.5 %		
	Other Material: Non-fibrous 95.5 %		
7A	98067540-12	*No*	NAD
7	**Location:** 3rd. Fl. Women's Rm.		
	Description: White, Homogeneous, Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
7B	98067540-13	*No*	NAD
7	**Location:** 2nd. Fl. Janitor's Closet		
	Description: White, Homogeneous, Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
8A	98067540-14	*No*	NAD
8	**Location:** 3rd. Fl. Women's Room		
	Description: Off White, Homogeneous, Gypsum Board		
	Asbestos Types:		
	Other Material: Cellulose 10. %, Non-fibrous 90. %		
8B	98067540-15	*No*	NAD
8	**Location:** 2nd. Fl. - Janitor's Closet		
	Description: Off White, Homogeneous, Gypsum Board		
	Asbestos Types:		
	Other Material: Cellulose 10. %, Non-fibrous 90. %		

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Date Examined 6/29/98

SciLab Job No. 98067540
P.O. # 98055

RE: 98055; Brown Elementary School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
9A	98067540-16	*No*	NAD
9	**Location:** 3rd. Fl. Boy's Rm.		
	Description: Grey, Homogeneous, Cement Plaster		
	Asbestos Types:		
	Other Material: Animal hair 4. %, Cellulose 2. %, Non-fibrous 94. %		
9B	98067540-17	*No*	NAD
9	**Location:** 2nd. Fl. Mrs. Duere's Rm.		
	Description: Grey, Homogeneous, Cement Plaster		
	Asbestos Types:		
	Other Material: Animal hair 2. %, Cellulose 2. %, Non-fibrous 96. %		
9C	98067540-18	*No*	NAD
9	**Location:** 2nd. Fl. Rm. 20		
	Description: Grey, Homogeneous, Cement Plaster		
	Asbestos Types:		
	Other Material: Animal hair 2. %, Cellulose 1. %, Non-fibrous 97. %		
9D	98067540-19	*No*	NAD
9	**Location:** 2nd. Fl. Rm. 25		
	Description: Grey, Homogeneous, Cement Plaster		
	Asbestos Types:		
	Other Material: Animal hair 1. %, Cellulose 1. %, Non-fibrous 98. %		
9E	98067540-20	*No*	NAD
9	**Location:** 1st. Fl. Rm. 14		
	Description: Grey, Homogeneous, Cement Plaster		
	Asbestos Types:		
	Other Material: Animal hair Trace, Cellulose Trace, Non-fibrous 100. %		

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Date Examined 6/29/98

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P.O. # 98055

RE: 98055; Brown Elementary School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
10A	98067540-21	***No***	NAD
10	**Location:** 3rd. Fl. Hallway (Speckled)		
	Description: Tan, Homogeneous, 12"x12" Floor Tile		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
10B	98067540-22	***No***	NAD
10	**Location:** 3rd Fl. Hallway (Speckled)		
	Description: Tan, Homogeneous, 12"x12" Floor Tile		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
11A	98067540-23	***No***	NAD
11	**Location:** 3rd Fl. Hallway Floor Tile		
	Description: Black, Homogeneous, Mastic		
	Asbestos Types:		
	Other Material: Cellulose 1. %, Non-fibrous 99. %		
11B	98067540-24	***No***	NAD
11	**Location:** 3rd Fl. Hallway Floor Tile		
	Description: Black, Homogeneous, Mastic		
	Asbestos Types:		
	Other Material: Cellulose 1. %, Non-fibrous 99. %		
12A	98067540-25	***Yes***	57 %
12	**Location:** 1st. Fl. Stage		
	Description: White, Homogeneous, Duct Insulation		
	Asbestos Types: Chrysotile 57. %		
	Other Material: Non-fibrous 43. %		

Environmental Lab Services

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PLM Bulk Asbestos Report

Smith & Wessel Associates, Inc.
Attn: Dan Smith
8 Church Street
Merrimac, MA 01860

Date Received 6/29/98
Date Examined 6/29/98

SciLab Job No. 98067540
P.O. # 98055

RE: 98055; Brown Elementary School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
12B	98067540-26		NA/PS
12	**Location:** 1st. Fl. Stage		
	Description: Duct Insulation		
	Asbestos Types:		
	Other Material:		
12C	98067540-27		NA/PS
12	**Location:** 1st. Fl. Stage		
	Description: Duct Insulation		
	Asbestos Types:		
	Other Material:		
13A	98067540-28	*No*	NAD
13	**Location:** 1st. Fl. Hallway Outside Women's Room - Pinhole		
	Description: Brown, Homogeneous, Ceiling Tile		
	Asbestos Types:		
	Other Material: Cellulose 80. %, Non-fibrous 20. %		
13B	98067540-29	*No*	NAD
13	**Location:** 1st. Fl. Hallway Outside Women's Room - Pinhole		
	Description: Brown, Homogeneous, Ceiling Tile		
	Asbestos Types:		
	Other Material: Cellulose 75. %, Non-fibrous 25. %		
14A	98067540-30	*Yes*	6.6 %
14	**Location:** 1st. Fl. Hallway Outside Women's Room		
	Description: Brown, Homogeneous, Mastic		
	Asbestos Types: Anthophyllite 6.6 %		
	Other Material: Cellulose 2. %, Non-fibrous 91.4 %		

Environmental Lab Services

SCIENTIFIC LABORATORIES, INC.

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PLM Bulk Asbestos Report

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Attn: Dan Smith
8 Church Street
Merrimac, MA 01860

Date Received 6/29/98
Date Examined 6/29/98

SciLab Job No. 98067540
P.O. # 98055

RE: 98055; Brown Elementary School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
14B	98067540-31		NA/PS
14	**Location:** 1st. Fl. Hallway Outside Women's Room		
	Description: Mastic		
	Asbestos Types:		
	Other Material:		
15A	98067540-32	***Yes***	18 %
15	**Location:** 1st. Fl. Kitchen Storage (Rolled)		
	Description: White, Homogeneous, Pipe Insulation		
	Asbestos Types: Chrysotile 18. %		
	Other Material: Cellulose 62. %, Non-fibrous 20. %		
15B	98067540-33		NA/PS
15	**Location:** 1st. Fl. Kitchen Storage (Rolled)		
	Description: Pipe Insulation		
	Asbestos Types:		
	Other Material:		
15C	98067540-34		NA/PS
15	**Location:** Jannitor's Closet (Rolled)		
	Description: Pipe Insulation		
	Asbestos Types:		
	Other Material:		

Environmental Lab Services

SCIENTIFIC LABORATORIES, INC.

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PLM Bulk Asbestos Report

Smith & Wessel Associates, Inc.
Attn: Dan Smith
8 Church Street
Merrimac, MA 01860

Date Received 6/29/98
Date Examined 6/29/98

SciLab Job No. 98067540
P.O. # 98055

RE: 98055; Brown Elementary School

Reporting Notes:

Analyzed by: Richard Bailey R. Bailey

*NAD/NSD = no asbestos detected; NA = not analyzed; NAPS = not analyzed positive stop; Bulk Asbestos Analysis per 40 CFR 763, Subpart F, Appendix A and ELAP Analysis Protocols 198.1/198.4 for NY samples; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in NY State (see also EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This report relates ONLY to the items tested. ELAP #11480, Vt. Cert. #AL016055

Reviewed By: Paul Ueda

SMITH & WESSEL ASSOCIATES, INC.
HAZARDOUS BUILDING MATERIALS AND AIR QUALITY SPECIALISTS

AHERA 3-YEAR RE-INSPECTION REPORT

NEWBURYPORT PUBLIC SCHOOLS

Brown Elementary School
Newburyport, Massachusetts

Prepared for:
Mr. Steve Bergholm
Facilities Manager
241 High Street
Newburyport, Massachusetts 01950

Prepared by:
Smith and Wessel Associates, Inc.
8 Church Street
Merrimac, Massachusetts 01860

Project 04028

April 22, 2004

Ted Sherry
Asbestos Inspector #AI-32572
Glenn Nelson
Management Planner # MP-030053

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4. Conclusions and Recommendations	5

APPENDICES

Appendix A Inventory of Known or Assumed ACBM

Appendix B Certificates of Analysis

1. SCOPE OF WORK

The Newburyport Public School District retained Smith & Wessel Associates, Inc. to conduct an asbestos 3 year reinspection of the Brown Elementary School in the Newburyport Public Schools. This was performed to comply with the Asbestos Hazard Emergency Response Act (AHERA, 40 CFR 763), which requires that all known and assumed asbestos-containing building materials (ACBM) be reinspected every three years.

An initial inspection of the Brown Elementary School was conducted in 1989 by Universal Engineering Corporation, Inc. (UEC), of Boston, Massachusetts, at which time a comprehensive inspection for ACBM was conducted throughout the school. S&W performed a 3 year reinspection in 1998. The purpose of the reinspection is to reassess the condition of ACBM remaining in the buildings, and based on the results of the reassessment, to provide appropriate recommendations for response actions.

The reinspection was conducted on April 22, 2004 by Ted Sherry, who is an licensed asbestos inspector.

The reinspection included the following tasks:

- We reviewed the school district's documentation related to asbestos issues, including the initial inspection report, reports on abatement projects conducted since the initial inspection, six-month surveillance inspections and the three year reinspection reports;
- Based on this review and reinspection, we updated the inventory of ACBM.
- We walked through those areas where previously identified ACBM were known to exist and visually reinspected and reassessed the ACBM;
- Material previously identified as nonfriable (i.e. not easily crumbled, pulverized, or reduced to powder) was touched to determine if it had become friable; and
- Smith & Wessel did not deem it necessary to perform suspect asbestos bulk sampling at this school.

Limitations

Smith & Wessel Associates, Inc. primarily evaluated building materials in the school that were known or assumed to contain asbestos. Areas of the school where no ACBM had been identified or where all ACBM had been removed, either were not reinspected or included only a cursory inspection. As a matter of course, we did not inspect for additional types and locations of suspect building materials. However, if additional suspect material were noted during the course of reinspecting known or presumed ACBM, we did evaluate such additional materials.

2. FILE REVIEW

We reviewed the files of the asbestos records kept in the Newburyport Public School facilities office. These included: (1) the initial inspection report prepared by UEC, Inc. and (2) documentation pertaining to the asbestos abatement report prepared by UEC, Inc. The asbestos inventory (Section 3 of this report) was reviewed and updated. All of the ACBM identified by UEC, Inc. are listed in Section 4.0 of the initial inspection report. In addition, we reviewed the previous Smith & Wessel 3 year reinspection performed in 1998.

Upon review of the Management Plan document, Smith & Wessel noted several potential shortcomings. These include:

- A procedure or form for notifying short-term workers of the presence of ACBM that they may come in contact with. The AHERA regulation 763.84 (d) requires that the Local Education Agency (LEA) provide information regarding the locations of ACBM and suspected ACBM to be assumed ACM to short-term workers (e.g., telephone repair workers, utility workers or exterminators) who may come in contact with asbestos in the school.

- The record of the annual notification to building occupant document regarding the status of the management plan, ACBM related activities and the availability of the Management Plan for review.

- Records regarding periodic surveillance activities from 1998 to 2004.

If these records are available, they should be added to the management plan. In the future, this documentation should be carefully maintained and added to the plan.

3. FINDINGS

Nonfriable and friable ACBM still remain in the school building. The detailed list of the location and assessment of each material is included in Appendix A in the Inventory of Known and Assumed ACBM.

During the initial AHERA inspection, UEC identified corrugated paper-type pipe insulation in the boiler room, stage, basement storage areas and kitchen storage; preformed tank insulation in the boiler room; and brown patterned linoleum sheeting in the main office area, classrooms and hallways throughout the school.

During the 1998 3-year reinspection, twelve (12) additional types of suspect ACBM were noted at this school. We collected representative samples and submitted them to the laboratory for analysis. We also collected additional samples of wall plaster and various types of ceiling tiles to assure the total number of samples collected were at least as many as that are mandated by AHERA protocol. Based on this sampling, the following materials were identified as ACBM (i.e. contained greater than one percent asbestos).

- Condensate sink mastic
- Mastic underlying brown baseboard molding
- Mastic underlying beige baseboard molding
- Duct insulation
- Mastic underlying 12" x 12" ceiling tiles
- Rolled paper pipe insulation

Orange stair treads and associated mastic, 9" x 9" floor tile and associated mastic, and kiln insulation are presumed ACBM.

Table 1. • List of Suspect Asbestos-Containing Building Materials		
Type of material	**Location(s) observed**	**Asbestos Content**
Gypsum wallboard/joint compound wall system	3rd and 2nd Floor bathroom areas and various classrooms on the first floor	No asbestos detected
Rolled paper pipe insulation	Kitchen storage area, former locker areas and adjacent hallway	**18% total asbestos content**
12" x 12" tan speckled floor tile and associated mastic	3rd Floor hallway and 2nd floor hallway	No asbestos detected
Orange stair treads and associated mastic	Main staircase	**Presumed ACBM**
Condensate sink mastic	Art room and classroom #13	**3.3% total asbestos content**
Kiln insulation	Art Room	**Presumed ACBM**
Brown covebase molding	3rd, 2nd and 1st floor classrooms	No asbestos detected
Mastic underlying brown baseboard molding	3rd, 2nd and 1st floor classrooms	**3.3% total asbestos content**
Tan baseboard molding	3rd, 2nd floor and 1st floor hallways	No asbestos detected
Mastic underlying tan baseboard molding	3rd, 2nd floor and 1st floor hallways	**4.5% total asbestos content**
Duct insulation	Stage area	**57% total asbestos content**
12" x 12" ceiling tiles	Hallway outside women's room next to gymnasium	No asbestos detected
Mastic underlying 12" x 12" ceiling tiles	Hallway outside women's room next to gymnasium	**6.6% total asbestos content**
9" x 9" floor tile and associated mastic	Kitchen and adjacent hallway	**Presumed ACBM**

The pipe and fitting insulation located throughout the school is in good condition. The tank insulation in the boiler room is in good condition; it had been covered with rewettable fiberglass cloth. The duct insulation located on the stage is in good condition; it has been covered with rewettable fiberglass cloth. However, a small hole should be covered or sealed ASAP.

The brown patterned linoleum sheeting located throughout the entire school is in good condition. The mastic underlying the tan and brown baseboard molding is present behind the baseboard; thus, it is not accessible. The glue daubs for the 12" x 12" ceiling tiles in the hallway outside the gymnasium generally are covered by tile so they are not accessible; however, several of the glue daubs are exposed above the suspended ceiling tiles. The condensate sink mastic in the art room and room 13 is in good condition.

The orange stair treads and the kiln insulation are presumed ACBM. They are in good condition.

The 9" x 9" floor tiles present in the kitchen and the adjacent hallway are in good condition. The asbestos in the floor tile and in the adhesives for floor tile are bound in a resinous matrix. Therefore, the hazard associated with potential fiber release is minimal under conditions of normal occupancy. However, these materials can become airborne during removal operations, or if they are sanded or abraded. At this time, if mastics were not sampled, we've assumed they are ACBM.

4. CONCLUSIONS AND RECOMMENDATIONS

Based on the findings of our reinspection of the Brown Elementary School in the Newburyport, MA, we conclude that

A. There is ACBM remaining in the school. The ACBM are in fair to good condition and are not susceptible to fiber release under normal operations. Friable and nonfriable ACBM that are damaged are highly susceptible to the release of asbestos fibers into the air if they are disturbed.

B. We observed several suspect ACBM that had not been addressed during the initial AHERA inspection by UEC. We performed adequate suspect asbestos bulk sampling in 1998. Therfore, we did not deem it necessary during our recent inspection.

C. Renovation, demolition, or other activities that impact ACBM may damage or cause fiber release from the ACBM. Flooring materials are susceptible to fiber release by sanding, drilling, abrading, or the use of high speed buffers or abrasive pads.

D. Some of the documentation required to be kept in the management plan is missing or unavailable.

Based on the above conclusions, we recommend that

A. Continue to maintain the identified ACBM in good condition per Management Plan requirements.

B. Any person categorized as a short-term worker who may contact ACBM should be notified in writing, regarding the location of all ACBM and suspect ACBM that he or she may encounter.

C. Provide training for the designated person in the following areas: health effects of asbestos, detection, identification and assessment of ACBM, options for controlling ACBM, asbestos management programs, knowledge of relevant Federal and State regulations governing asbestos management and abatement.

D. At least once every 6 months, conduct periodic surveillance of all known and assumed ACBM per 40 CFR Part 763.92 (b) (1).

APPENDIX A

TABLE - INVENTORY OF KNOWN AND ASSUMED ACBM

Brown Elementary School

INVENTORY OF KNOWN AND ASSUMED ACBM April, 2004 Three year reinspection School: Brown Elementary School

Homogeneous Area No.	Material	Location	Type	Friability	Conditions	Accessibility	Assessment	Response Action	PERIODIC SURVEILLANCE 6 month	12 month	18 month	24 month	30 month
HA-01	Brown patterned linoleum sheeting	Main office area, classrooms and hallways throughout the school	TSI	F	Good	L	ND	O & M					
The linoleum sheeting was observed in good condition.													
HA-02	Duct insulation	Stage area	TSI	F	Fair	M	ND	O & M					
The insulation was observed in fair condition and was covered with rewettable fiberglass cloth mesh. Small damaged section should be covered or sealed													
HA-04	Rolled paper pipe insulation	Kitchen storage area	TSI	F	Good	M	D	Repair O & M					
Minor contact damage was observed on the pipe insulation; it should be repaired using a bridging encapsulant or rewettable fiberglass mesh cloth													
HA-05	Kiln insulation	Art Room	Misc.	NF	Good	L	ND	O & M					
The kiln insulation was presumed ACBM; it was in good condition.													
HA-06	Condensate sink mastic	Art room and room 13	Misc.	NF	Good	L	ND	O & M					
The material is in good condition and bound in a resinous matrix which makes the material have a low potential for a fiber release.													
HA-07	Mastic underlying tan baseboard molding	2nd and 3rd floors in the hallways	Misc.	NF	Good	L	ND	O & M					
The material is in good condition, and it is covered by the non-asbestos containing baseboard molding.													
HA-08	White preformed tank insulation	Boiler room	TSI	F	Good	M	ND	O & M					
The insulation was observed in good condition and was covered with rewettable fiberglass mesh cloth.													
HA-09	Corrugated paper type pipe insulation	Boiler Room, stage, basement storage areas and kitchen storage	TSI	F	Fair	M	ND	O & M					
The corrugated paper type pipe insulation was observed in fair condition.													

Material Type

TSI Thermal system insulation
Misc. Miscellaneous
Surf. Surfacing material

Friability

F Friability
NF Nonfriable

Accessibility

L Low
M Medium
H High

Assessment

ND No Damage
D Damage
PD Potential for damage
PSD Potential for Significant Damage

Response Action

O&M Operations & Maintenance
Repair Repair damaged material

INVENTORY OF KNOWN AND ASSUMED ACBM April, 2004 Three year reinspection School: Brown Elementary School

Homogeneous Area No.	Material	Location	Type	Friability	Conditions	Accessibility	Assessment	Response Action	PERIODIC SURVEILLANCE 6 month	12 month	18 month	24 month	30 month
HA-10	Fitting insulation	Boiler room, stage area and basement storage areas	TSI	F	Good	M	ND	O &M					
The insulation was observed in good condition and was covered with rewettable fiberglass cloth mesh.													
HA-11	Mastic underlying brown baseboard molding	2nd and 3rd floor classrooms	Misc.	NF	Good	L	ND	O & M					
The material is in good condition, and it is covered by the non-asbestos containing baseboard molding.													
HA-12	Orange stair tread and associated mastic	Main staircase in the school building	Misc.	NF	Good	L	ND	O & M					
The stair treads and associated mastic were presumed ACBM; they are in good condition.													
HA-13	9" x 9" grey floor tile and associated mastic	Kitchen and kitchen storage	Misc.	NF	Good	L	ND	O & M					
The floor tiles and associated mastic are in good condition.													
HA-14	Tectum ceiling tiles	Gymnasium	Misc.	NF	Good	L	ND	O & M					
The material was observed in good condition; it is presumed ACBM because of potential contamination from the asphaltic roof mastic above.													
HA-15	Mastic underlying 12" x 12" ceiling tiles	Hallway outside gymnasium by women's bathroom	Misc.	NF	Good	L	ND	O&M					
The asbestos-containing mastic was observed to be in good condition and has a very low likelihood for fiber release since it is covered with a non asbestos-containing ceiling tile.													

Material Type

TSI Thermal system insulation
Misc. Miscellaneous
Surf. Surfacing material

Friability

F Friability
NF Nonfriable

Accessibility

L Low
M Medium
H High

Assessment

ND No Damage
D Damage
PD Potential for damage
PSD Potential for Significant Damage

Response Action

O&M Operations & Maintenance
Repair Repair damaged material

AHERA 3-YEAR RE-INSPECTION REPORT

NEWBURYPORT PUBLIC SCHOOLS

Brown Elementary School
Newburyport, Massachusetts

Prepared for:
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Project 07037

May 3, 2007

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APPENDICES

Appendix A Inventory of Known or Assumed ACBM

1. SCOPE OF WORK

The Newburyport Public School District retained Smith & Wessel Associates, Inc. to conduct an asbestos 3 year reinspection of the Brown Elementary School in the Newburyport Public Schools. This was performed to comply with the Asbestos Hazard Emergency Response Act (AHERA, 40 CFR 763), which requires that all known and assumed asbestos-containing building materials (ACBM) be reinspected every three years.

An initial inspection of the Brown Elementary School was conducted in 1989 by Universal Engineering Corporation, Inc. (UEC), of Boston, Massachusetts, at which time a comprehensive inspection for ACBM was conducted throughout the school. S&W performed a 3 year reinspection in 1998. The purpose of the reinspection is to reassess the condition of ACBM remaining in the buildings, and based on the results of the reassessment, to provide appropriate recommendations for response actions.

The reinspection was conducted on March 5, 2007 by Ted Sherry, who is an licensed asbestos inspector.

The reinspection included the following tasks:

- We reviewed the school district's documentation related to asbestos issues, including the initial inspection report, reports on abatement projects conducted since the initial inspection, six-month surveillance inspections and the three year reinspection reports;
- Based on this review and reinspection, we updated the inventory of ACBM.
- We walked through those areas where previously identified ACBM were known to exist and visually reinspected and reassessed the ACBM;
- Material previously identified as nonfriable (i.e. not easily crumbled, pulverized, or reduced to powder) was touched to determine if it had become friable; and
- Smith & Wessel did not deem it necessary to perform suspect asbestos bulk sampling at this school.

Limitations

Smith & Wessel Associates, Inc. primarily evaluated building materials in the school that were known or assumed to contain asbestos. Areas of the school where no ACBM had been identified or where all ACBM had been removed, either were not reinspected or included only a cursory inspection. As a matter of course, we did not inspect for additional types and locations of suspect building materials. However, if additional suspect material were noted during the course of reinspecting known or presumed ACBM, we did evaluate such additional materials.

2. FILE REVIEW

We reviewed the files of the asbestos records kept in the Newburyport Public School facilities office. These included: (1) the initial inspection report prepared by UEC, Inc. and (2) documentation pertaining to the asbestos abatement report prepared by UEC, Inc. The asbestos inventory (Section 3 of this report) was reviewed and updated. All of the ACBM identified by UEC, Inc. are listed in Section 4.0 of the initial inspection report. In addition, we reviewed the previous Smith & Wessel 3 year reinspection performed in 1998.

Upon review of the Management Plan document, Smith & Wessel noted several potential shortcomings. These include:

- A procedure or form for notifying short-term workers of the presence of ACBM that they may come in contact with. The AHERA regulation 763.84 (d) requires that the Local Education Agency (LEA) provide information regarding the locations of ACBM and suspected ACBM to be assumed ACM to short-term workers (e.g., telephone repair workers, utility workers or exterminators) who may come in contact with asbestos in the school.

- The record of the annual notification to building occupant document regarding the status of the management plan, ACBM related activities and the availability of the Management Plan for review.

- Records regarding periodic surveillance activities from 1998 to 2004.

If these records are available, they should be added to the management plan. In the future, this documentation should be carefully maintained and added to the plan.

3. FINDINGS

Nonfriable and friable ACBM still remain in the school building. The detailed list of the location and assessment of each material is included in Appendix A in the Inventory of Known and Assumed ACBM.

During the initial AHERA inspection, UEC identified corrugated paper-type pipe insulation in the boiler room, stage, basement storage areas and kitchen storage; preformed tank insulation in the boiler room; and brown patterned linoleum sheeting in the main office area, classrooms and hallways throughout the school.

During the 1998 3-year reinspection, twelve (12) additional types of suspect ACBM were noted at this school. We collected representative samples and submitted them to the laboratory for analysis. We also collected additional samples of wall plaster and various types of ceiling tiles to assure the total number of samples collected were at least as many as that are mandated by AHERA protocol. Based on this sampling, the following materials were identified as ACBM (i.e. contained greater than one percent asbestos).

- Condensate sink mastic
- Mastic underlying brown baseboard molding
- Mastic underlying beige baseboard molding
- Duct insulation
- Mastic underlying 12" x 12" ceiling tiles
- Rolled paper pipe insulation

Orange stair treads and associated mastic, 9" x 9" floor tile and associated mastic, and kiln insulation are presumed ACBM.

It is our understanding that the original linoleum still exists under plywood in rooms 24, 30, 36 and 37. The floor should be inspected closely if renovations are slated in the near future.

Table 1. • List of Suspect Asbestos-Containing Building Materials		
Type of material	**Location(s) observed**	**Asbestos Content**
Gypsum wallboard/joint compound wall system	3rd and 2nd Floor bathroom areas and various classrooms on the first floor	No asbestos detected
Rolled paper pipe insulation	Kitchen storage area, former locker areas and adjacent hallway	**18% total asbestos content**
12" x 12" tan speckled floor tile and associated mastic	3rd Floor hallway and 2nd floor hallway	No asbestos detected
Orange stair treads and associated mastic	Main staircase	**Presumed ACBM**
Condensate sink mastic	Art room and classroom #13	**3.3% total asbestos content**
Kiln insulation	Art Room	**Presumed ACBM**
Brown covebase molding	3rd, 2nd and 1st floor classrooms	No asbestos detected
Mastic underlying brown baseboard molding	3rd, 2nd and 1st floor classrooms	**3.3% total asbestos content**
Tan baseboard molding	3rd, 2nd floor and 1st floor hallways	No asbestos detected
Mastic underlying tan baseboard molding	3rd, 2nd floor and 1st floor hallways	**4.5% total asbestos content**
Duct insulation	Stage area	**57% total asbestos content**
12" x 12" ceiling tiles	Hallway outside women's room next to gymnasium	No asbestos detected
Mastic underlying 12" x 12" ceiling tiles	Hallway outside women's room next to gymnasium	**6.6% total asbestos content**
9" x 9" floor tile and associated mastic	Kitchen and adjacent hallway	**Presumed ACBM**

The pipe and fitting insulation located throughout the school is in good condition. The tank insulation in the boiler room is in good condition; it had been covered with rewettable fiberglass cloth. The duct insulation located on the stage is in good condition; it has been covered with rewettable fiberglass cloth. However, a small hole should be covered or sealed ASAP.

The brown patterned linoleum sheeting located throughout the entire school is in good condition. The mastic underlying the tan and brown baseboard molding is present behind the baseboard; thus, it is not accessible. The glue daubs for the 12" x 12" ceiling tiles in the hallway outside the gymnasium generally are covered by tile so they are not accessible; however, several of the glue daubs are exposed above the suspended ceiling tiles. The condensate sink mastic in the art room and room 13 is in good condition.

The orange stair treads and the kiln insulation are presumed ACBM. They are in good condition.

The 9" x 9" floor tiles present in the kitchen and the adjacent hallway are in good condition. The asbestos in the floor tile and in the adhesives for floor tile are bound in a resinous matrix. Therefore, the hazard associated with potential fiber release is minimal under conditions of normal occupancy. However, these materials can become airborne during removal operations, or if they are sanded or abraded. At this time, if mastics were not sampled, we've assumed they are ACBM.

4. CONCLUSIONS AND RECOMMENDATIONS

Based on the findings of our reinspection of the Brown Elementary School in the Newburyport, MA, we conclude that

A. There is ACBM remaining in the school. The ACBM are in fair to good condition and are not susceptible to fiber release under normal operations. Friable and nonfriable ACBM that are damaged are highly susceptible to the release of asbestos fibers into the air if they are disturbed.

B. We observed several suspect ACBM that had not been addressed during the initial AHERA inspection by UEC. We performed adequate suspect asbestos bulk sampling in 1998. Therfore, we did not deem it necessary during our recent inspection.

C. Renovation, demolition, or other activities that impact ACBM may damage or cause fiber release from the ACBM. Flooring materials are susceptible to fiber release by sanding, drilling, abrading, or the use of high speed buffers or abrasive pads.

D. Some of the documentation required to be kept in the management plan is missing or unavailable.

Based on the above conclusions, we recommend that

A. Continue to maintain the identified ACBM in good condition per Management Plan requirements.

B. Any person categorized as a short-term worker who may contact ACBM should be notified in writing, regarding the location of all ACBM and suspect ACBM that he or she may encounter.

C. Provide training for the designated person in the following areas: health effects of asbestos, detection, identification and assessment of ACBM, options for controlling ACBM, asbestos management programs, knowledge of relevant Federal and State regulations governing asbestos management and abatement.

D. At least once every 6 months, conduct periodic surveillance of all known and assumed ACBM per 40 CFR Part 763.92 (b) (1).

APPENDIX A

TABLE - INVENTORY OF KNOWN AND ASSUMED ACBM

Brown Elementary School

INVENTORY OF KNOWN AND ASSUMED ACBM **March, 2007 Three year reinspection** **School: Brown Elementary School**

Homogeneous Area No.	Material	Location	Type	Friability	Conditions	Accessibility	Assessment	Response Action	PERIODIC SURVEILLANCE 6 month	12 month	18 month	24 month	30 month
HA-01	Brown patterned linoleum sheeting	Main office area, classrooms and hallways throughout the school	TSI	F	Good	L	ND	O & M	Good	Good	Good	Good	Good
The linoleum sheeting was observed in good condition.													
HA-02	Duct insulation	Stage area	TSI	F	Fair	M	ND	O & M	FAIR	FAIR	FAIR	FAIR	FAIR
The insulation was observed in fair condition and was covered with rewettable fiberglass cloth mesh. A small damaged section in the corner should be covered or sealed													
HA-04	Rolled paper pipe insulation	Kitchen storage area	TSI	F	Good	M	D	Repair O & M	Good	Good	Good	Good	Good
Minor contact damage was observed on the pipe insulation; it should be repaired using a bridging encapsulant or rewettable fiberglass mesh cloth													
HA-05	Kiln insulation	Art Room	Misc.	NF	Good	L	ND	O & M	Good	Good	Good	Good	N/A
The kiln insulation was presumed ACBM; it was in good condition.													
HA-06	Condensate sink mastic	Art room and room 13	Misc.	NF	Good	L	ND	O & M	Good	Good	Good	Good	Good
The material is in good condition and bound in a resinous matrix which makes the material have a low potential for a fiber release.													
HA-07	Mastic underlying tan baseboard molding	2nd and 3rd floors in the hallways	Misc.	NF	Good	L	ND	O & M	Good	Good	Good	Good	Good
The material is in good condition, and it is covered by the non-asbestos containing baseboard molding.													
HA-08	White preformed tank insulation	Boiler room	TSI	F	Good	M	ND	O & M	Good	Good	Good	Good	Good
The insulation was observed in good condition and was covered with rewettable fiberglass mesh cloth.													
HA-09	Corrugated paper type pipe insulation	Boiler Room, stage, basement storage areas and kitchen storage	TSI	F	Fair	M	ND	O & M	FAIR	FAIR	FAIR	FAIR	FAIR
The corrugated paper type pipe insulation was observed in fair condition.													
									10/18/07 SB	4-25-08 SD	10/23/08 SB	4-21-09 SB	10-20-09 SB

Material Type

TSI Thermal system insulation
Misc. Miscellaneous
Surf. Surfacing material

Friability

F Friability
NF Nonfriable

Accessibility

L Low
M Medium
H High

Assessment

ND No Damage
D Damage
PD Potential for damage
PSD Potential for Significant Damage

Response Action

O&M Operations & Maintenance
Repair Repair damaged material

INVENTORY OF KNOWN AND ASSUMED ACBM March, 2007 Three year reinspection School: Brown Elementary School

Homogeneous Area No.	Material	Location	Type	Friability	Conditions	Accessibility	Assessment	Response Action	PERIODIC SURVEILLANCE 6 month	12 month	18 month	24 month	30 month
HA-10	Fitting insulation	Boiler room, stage area and basement storage areas	TSI	F	Good	M	ND	O &M	Good	Good	Good	Good	Good
The insulation was observed in good condition and was covered with rewettable fiberglass cloth mesh.													
HA-11	Mastic underlying brown baseboard molding	2nd and 3rd floor classrooms	Misc.	NF	Good	L	ND	O & M	Good	Good	Good	Good	Good
The material is in good condition, and it is covered by the non-asbestos containing baseboard molding.													
HA-12	Orange stair tread and associated mastic	Main staircase in the school building	Misc.	NF	Good	L	ND	O & M	Good	Good	Good	Good	Good
The stair treads and associated mastic were presumed ACBM; they are in good condition.													
HA-13	9" x 9" grey floor tile and associated mastic	Kitchen and kitchen storage	Misc.	NF	Good	L	ND	O & M	Good	Good	Good	Good	Good
The floor tiles and associated mastic are in good condition. Some minor cracking in various locations was observed, but does not pose a problem in its current condition.													
HA-14	Tectum ceiling tiles	Gymnasium	Misc.	NF	Good	L	ND	O & M	Good	Good	Good	Good	Good
The material was observed in good condition; it is presumed ACBM because of potential contamination from the asphaltic roof mastic above.													
HA-15	Suspended ceiling tiles	Throughout school	Misc.	NF	Good	M	ND	O&M	Good	Good	Good	Good	Good
HA-16	Mastic underlying 12" x 12" ceiling tiles	Hallway outside gymnasium by women's bathroom	Misc.	NF	Good	L	ND	O&M	Good	Good	Good	Good	Good
The asbestos-containing mastic was observed to be in good condition and has a very low likelihood for fiber release since it is covered with a non asbestos-containing ceiling tile.													
									10/18/07 SB	4-25-08 SB	10/14/08 SB	4-21-09 SB	10-20-09 SB

Material Type

TSI Thermal system insulation
Misc. Miscellaneous
Surf. Surfacing material

Friability

F Friability
NF Nonfriable

Accessibility

L Low
M Medium
H High

Assessment

ND No Damage
D Damage
PD Potential for damage
PSD Potential for Significant Damage

Response Action

O&M Operations & Maintenance
Repair Repair damaged material

SMITH & WESSEL ASSOCIATES, INC.
HAZARDOUS BUILDING MATERIALS AND AIR QUALITY SPECIALISTS

AHERA 3-YEAR RE-INSPECTION REPORT

NEWBURYPORT PUBLIC SCHOOLS

Brown Elementary School
Newburyport, Massachusetts

Prepared for:
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August 26, 2010

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APPENDICES

Appendix A Inventory of Known or Assumed ACBM

1. SCOPE OF WORK

The Newburyport Public School District retained Smith & Wessel Associates, Inc. to conduct an asbestos 3 year reinspection of the Brown Elementary School in the Newburyport Public Schools. This was performed to comply with the Asbestos Hazard Emergency Response Act (AHERA, 40 CFR 763), which requires that all known and assumed asbestos-containing building materials (ACBM) be reinspected every three years.

An initial inspection of the Brown Elementary School was conducted in 1989 by Universal Engineering Corporation, Inc. (UEC), of Boston, Massachusetts, at which time a comprehensive inspection for ACBM was conducted throughout the school. S&W performed a 3 year reinspection in 1998. The purpose of the reinspection is to reassess the condition of ACBM remaining in the buildings, and based on the results of the reassessment, to provide appropriate recommendations for response actions.

Ed Dubiel, a SWA accredited asbestos inspector, conducted the reinspection on August 10, 2010.

The reinspection included the following tasks

- We reviewed the school district's available documentation related to asbestos issues, such as the initial inspection report, subsequent reinspection reports, reports on abatement projects conducted since the initial inspection, and six-month surveillance inspections.
- Based on this review and reinspection, we reviewed the inventory of ACBM provided in documents.
- We conducted a walk- through of those areas where previously identified ACBM were known to exist and conducted a hazard assessment.
- Where ACBM reportedly had been removed we confirmed the abatement.
- Although not required by AHERA, if suspect materials were observed that were not identified during previous inspections, they were noted and if friable, sampled as well.

Limitations

SWA's reinspection consisted of an assessment of previously identified ACBM. We did not conduct a comprehensive inspection nor did we assess all spaces of the school. Thus, if those initial inspections did not identify ACBM that may be present, the reinspection also would likely not identify those materials. Further, AHERA does not require assessment of exterior materials, such as window caulking and glazing compound, roofing materials, dampproofing, and similar materials. Therefore, these materials may be present, contain asbestos, but not be addressed under the AHERA guidelines. Suspect ACBM that may be present in locations that are hidden or difficult to access, such as the spaces behind walls, above suspended ceilings, within equipment, under flooring, behind

or under stored goods, in crawlspaces, and so forth, typically were not assessed or reinspected. If such materials are encountered during the course of normal school operations, during renovations, maintenance work, or demolition, or at other time, they should be assumed to contain asbestos, unless appropriate testing and analysis indicates otherwise.

2. FILE REVIEW

We reviewed the files of the asbestos records kept in the Newburyport Public School facilities office. These included: (1) the initial inspection report prepared by UEC, Inc. and (2) previous reinspection reports, and (3) documentation pertaining to the asbestos abatement report prepared by UEC, Inc. The asbestos inventory (Section 3 of this report) was reviewed and updated. All of the ACBM identified by UEC, Inc. are listed in Section 4.0 of the initial inspection report. In addition, we reviewed the previous Smith & Wessel 3 year reinspection performed in 2007.

Upon review of the Management Plan document, Smith & Wessel noted several potential shortcomings. These include:

- A procedure or form for notifying short-term workers of the presence of ACBM that they may come in contact with. The AHERA regulation 763.84 (d) requires that the Local Education Agency (LEA) provide information regarding the locations of ACBM and suspected ACBM to be assumed ACM to short-term workers (e.g., telephone repair workers, utility workers or exterminators) who may come in contact with asbestos in the school.

- The record of the annual notification to building occupant document regarding the status of the management plan, ACBM related activities and the availability of the Management Plan for review.

If these records are available, they should be added to the management plan. In the future, this documentation should be carefully maintained and added to the plan.

3. FINDINGS

Nonfriable and friable ACBM still remain in the school building. The detailed list of the location and assessment of each material is included in Appendix A in the Inventory of Known and Assumed ACBM.

During the initial AHERA inspection, UEC identified corrugated paper-type pipe insulation in the boiler room, stage, basement storage areas and kitchen storage; preformed tank insulation in the boiler room; and brown patterned linoleum sheeting in the main office area, classrooms and hallways throughout the school.

Kiln insulation, presumed ACBM in the previous re-inspection report and located in the Art room, is no longer in the building.

Orange stair treads and associated mastic, 9" x 9" floor tile and associated mastic are presumed ACBM.

It is our understanding that the original linoleum still exists under plywood in rooms 24, 30, 36 and 37. The floor should be inspected closely if renovations are slated in the near future.

The pipe and fitting insulation located throughout the school is in good condition. The tank insulation in the boiler room is in good condition; it had been covered with rewettable fiberglass cloth. The duct insulation located on the stage is in good condition; it has been covered with rewettable fiberglass cloth.

The brown patterned linoleum sheeting located throughout the entire school is in good condition. The mastic underlying the tan and brown baseboard molding is present behind the baseboard is not accessible, but the baseboard molding was observed to be in good condition with minimal damage. The glue daubs for the 12" x 12" ceiling tiles in the hallway outside the gymnasium generally are covered by tile so they are not accessible; however, several of the glue daubs are exposed above the suspended ceiling tiles. The condensate sink mastic in the art room and room 13 is in good condition.

The orange stair treads are presumed ACBM. They are in good condition.

The 9" x 9" floor tiles present in the kitchen and the adjacent hallway are in good condition. The asbestos in the floor tile and in the adhesives for floor tile are bound in a resinous matrix. Therefore, the hazard associated with potential fiber release is minimal under conditions of normal occupancy. However, these materials can become airborne during removal operations, or if they are sanded or abraded. At this time, if mastics were not sampled, we've assumed they are ACBM.

4. CONCLUSIONS AND RECOMMENDATIONS

Based on the findings of our reinspection of the Brown Elementary School in the Newburyport, MA, we offer the conclusions outlined below.

A. There is ACBM remaining in the school. The ACBM are in fair to good condition and are not susceptible to fiber release under normal operations. Friable and nonfriable ACBM that are damaged are highly susceptible to the release of asbestos fibers into the air if they are disturbed.

B. Renovation, demolition, or other activities that impact ACBM may damage or cause fiber release from the ACBM. Flooring materials are susceptible to fiber release by sanding, drilling, abrading, or the use of high speed buffers or abrasive pads.

C. Some of the documentation required to be kept in the management plan is missing or unavailable.

Based on the above conclusions, we recommend the school district take the steps outlined below.

A. Continue to maintain the identified ACBM in good condition per Management Plan requirements.

B. Any person categorized as a short-term worker who may contact ACBM should be notified in writing, regarding the location of all ACBM and suspect ACBM that he or she may encounter.

C. Provide training for the designated person in the following areas: health effects of asbestos, detection, identification and assessment of ACBM, options for controlling ACBM, asbestos management programs, knowledge of relevant Federal and State regulations governing asbestos management and abatement.

D. Continue to least once every 6 months, conduct periodic surveillance of all known and assumed ACBM per 40 CFR Part 763.92 (b) (1).

APPENDIX A

TABLE - INVENTORY OF KNOWN AND ASSUMED ACBM

Brown Elementary School

INVENTORY OF KNOWN AND ASSUMED ACBM August 2010 Three year reinspection School: Brown Elementary School

Homogeneous Area No.	Material	Location	Type	Friability	Conditions	Accessibility	Assessment	Response Action	PERIODIC SURVEILLANCE 6 month	12 month	18 month	24 month	30 month
HA-01	Brown patterned linoleum sheeting	Main office area, classrooms and hallways throughout the school	TSI	F	Good	L	ND	O & M					
The linoleum sheeting was observed in good condition.													
HA-02	Duct insulation	Stage area	TSI	F	Fair	M	ND	O & M					
The insulation was observed in good condition and was covered with rewettable fiberglass cloth mesh.													
HA-04	Rolled paper pipe insulation	Kitchen storage area	TSI	F	Good	M	D	O & M					
The insulation was observed in good condition and was covered with rewettable fiberglass mesh cloth													
HA-06	Condensate sink mastic	Art room and room 13	Misc.	NF	Good	L	ND	O & M					
The material is in good condition and bound in a resinous matrix which makes the material have a low potential for a fiber release.													
HA-07	Mastic underlying tan baseboard molding	2nd and 3rd floors in the hallways	Misc.	NF	Good	L	ND	O & M					
The material is in good condition, and it is covered by the non-asbestos containing baseboard molding.													
HA-08	White preformed tank insulation	Boiler room	TSI	F	Good	M	ND	O & M					
The insulation was observed in good condition and was covered with rewettable fiberglass mesh cloth.													
HA-09	Corrugated paper type pipe insulation	Boiler Room, stage, basement storage areas and kitchen storage	TSI	F	Fair	M	ND	O & M					
The corrugated paper type pipe insulation was observed in fair condition.													

Material Type

TSI Thermal system insulation
Misc. Miscellaneous
Surf. Surfacing material

Friability

F Friability
NF Nonfriable

Accessibility

L Low
M Medium
H High

Assessment

ND No Damage
D Damage
PD Potential for damage
PSD Potential for Significant Damage

Response Action

O&M Operations & Maintenance
Repair Repair damaged material

INVENTORY OF KNOWN AND ASSUMED ACBM August 2010 Three year reinspection School: Brown Elementary School

2-23-11 8/17/11

Homogeneous Area No.	Material	Location	Type	Friability	Conditions	Accessibility	Assessment	Response Action	PERIODIC SURVEILLANCE 6 month	12 month	18 month	24 month	30 month
HA-10	Fitting insulation	Boiler room, stage area and basement stairwells, storage areas	TSI	F	Good	M	ND	O &M	Good	Good			
The insulation was observed in good condition and was covered with rewettable fiberglass cloth mesh.													
HA-11	Mastic underlying brown baseboard molding	2nd and 3rd floor classrooms	Misc.	NF	Good	L	ND	O & M	Good	Good			
The material is in good condition, and it is covered by the non-asbestos containing baseboard molding.													
HA-12	Orange stair tread and associated mastic	Main staircase in the school building	Misc.	NF	Good	L	ND	O & M	Good	Good			
The stair treads and associated mastic were presumed ACBM; they are in good condition.													
HA-13	9" x 9" grey floor tile and associated mastic	Kitchen	Misc.	NF	Good	L	ND	O & M	Good	Good			
The floor tiles and associated mastic are in good condition. Some minor cracking in various locations was observed, but does not pose a problem in its current condition.													
HA-14	Tectum ceiling tiles	Gymnasium and stage	Misc.	NF	Good	L	ND	O & M	Good	Good			
The material was observed in good condition; it is presumed ACBM because of potential contamination from the asphaltic roof mastic above.													
HA-15	Suspended ceiling tiles	Throughout school	Misc.	NF	Good	M	ND	O&M	Good	Good			
HA-16	Mastic underlying 12" x 12" ceiling tiles	Hallway outside gymnasium by women's bathroom	Misc.	NF	Good	L	ND	O&M	Good	Good			
The asbestos-containing mastic was observed to be in good condition and has a very low likelihood for fiber release since it is covered with a non asbestos-containing ceiling tile.													

Material Type

TSI Thermal system insulation
Misc. Miscellaneous
Surf. Surfacing material

Friability

F Friability
NF Nonfriable

Accessibility

L Low
M Medium
H High

Assessment

ND No Damage
D Damage
PD Potential for damage
PSD Potential for Significant Damage

Response Action

O&M Operations & Maintenance
Repair Repair damaged material

APPENDIX E

Environmental Database and Vapor Encroachment Screening Reports

Brown School

42 Milk Street

Newburyport, MA 01950

Inquiry Number: 6324032.8

January 07, 2021

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

01/07/21

Site Name:

Brown School
42 Milk Street
Newburyport, MA 01950
EDR Inquiry # 6324032.8

Client Name:

Credere Associates
776 Main Street
Westbrook, ME 04102
Contact: Moira Wentworth

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.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
1995	1"=500'	Acquisition Date: March 29, 1995	USGS/DOQQ
1986	1"=500'	Flight Date: April 01, 1986	USDA
1978	1"=500'	Flight Date: April 25, 1978	USGS
1965	1"=500'	Flight Date: April 04, 1965	USGS
1960	1"=500'	Flight Date: May 01, 1960	USGS
1952	1"=500'	Flight Date: October 20, 1952	USDA
1938	1"=500'	Flight Date: November 01, 1938	USGS

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INQUIRY #: 6324032.8

YEAR: 2016

= 500'

N

EDR

INQUIRY #: 6324032.8

YEAR: 2012

= 500'

N

EDR

INQUIRY #: 6324032.8
YEAR: 2008
= 500'
N
EDR

INQUIRY #: 6324032.8

YEAR: 1995

= 500'

N

EDR

INQUIRY #: 6324032.8

YEAR: 1986

= 500'

N

EDR

INQUIRY #: 6324032.8

YEAR: 1978

= 500'

N

EDR

INQUIRY #: 6324032.8

YEAR: 1965

= 500'

N

EDR

INQUIRY #: 6324032.8

YEAR: 1960

= 500'

N

EDR

INQUIRY #: 6324032.8

YEAR: 1952

= 500'

N

EDR

INQUIRY #: 6324032.8

YEAR: 1938

= 500'

N

EDR

Brown School
42 Milk Street
Newburyport, MA 01950

Inquiry Number: 6324032.5
January 11, 2021

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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

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

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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.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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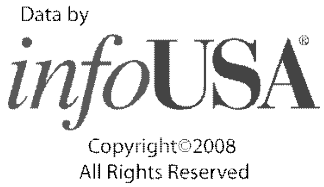

RESEARCH SUMMARY

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.

Year	Target Street	Cross Street	Source
2017	☑	☑	EDR Digital Archive
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1987	☑	☐	POLK DIRECTORY CO
1982	☑	☐	POLK DIRECTORY CO
1977	☑	☐	POLK DIRECTORY CO
1973	☑	☐	POLK DIRECTORY CO
1968	☑	☐	POLK DIRECTORY CO
1965	☑	☐	POLK DIRECTORY CO
1961	☑	☐	POLK DIRECTORY CO

EXECUTIVE SUMMARY

Year	***Target Street***	***Cross Street***	***Source***

FINDINGS

TARGET PROPERTY STREET

42 Milk Street
Newburyport, MA 01950

Year	*CD Image*	*Source*
MILK ST		
2017	pg A1	EDR Digital Archive
2014	pg A3	EDR Digital Archive
2010	pg A8	EDR Digital Archive
2005	pg A13	EDR Digital Archive
2000	pg A18	EDR Digital Archive
1995	pg A23	EDR Digital Archive
1992	pg A28	EDR Digital Archive
1987	pg A33	POLK DIRECTORY CO
1987	pg A34	POLK DIRECTORY CO
1987	pg A35	POLK DIRECTORY CO
1982	pg A38	POLK DIRECTORY CO
1982	pg A39	POLK DIRECTORY CO
1977	pg A42	POLK DIRECTORY CO
1977	pg A43	POLK DIRECTORY CO
1973	pg A47	POLK DIRECTORY CO
1973	pg A48	POLK DIRECTORY CO
1968	pg A52	POLK DIRECTORY CO
1968	pg A53	POLK DIRECTORY CO
1965	pg A56	POLK DIRECTORY CO
1965	pg A57	POLK DIRECTORY CO
1965	pg A58	POLK DIRECTORY CO
1961	pg A63	POLK DIRECTORY CO
1961	pg A64	POLK DIRECTORY CO
1961	pg A65	POLK DIRECTORY CO

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
PROSPECT ST		
2017	pg. A2	EDR Digital Archive
2014	pg. A5	EDR Digital Archive
2010	pg. A10	EDR Digital Archive
2005	pg. A15	EDR Digital Archive
2000	pg. A20	EDR Digital Archive
1995	pg. A25	EDR Digital Archive
1992	pg. A30	EDR Digital Archive
1987	pg. A36	POLK DIRECTORY CO
1987	pg. A37	POLK DIRECTORY CO
1982	pg. A40	POLK DIRECTORY CO
1982	pg. A41	POLK DIRECTORY CO
1977	pg. A44	POLK DIRECTORY CO
1977	pg. A45	POLK DIRECTORY CO
1977	pg. A46	POLK DIRECTORY CO
1973	pg. A49	POLK DIRECTORY CO
1973	pg. A50	POLK DIRECTORY CO
1973	pg. A51	POLK DIRECTORY CO
1968	pg. A54	POLK DIRECTORY CO
1968	pg. A55	POLK DIRECTORY CO
1965	pg. A59	POLK DIRECTORY CO
1965	pg. A60	POLK DIRECTORY CO
1965	pg. A61	POLK DIRECTORY CO
1965	pg. A62	POLK DIRECTORY CO
1961	pg. A66	POLK DIRECTORY CO
1961	pg. A67	POLK DIRECTORY CO

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MILK ST 2017

33 LARSON PLUMBING & HEATING
42 CITY OF NEWBURYPORT

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

PROSPECT ST 2017

42 COLONY CONSTRUCTION
70 MASSON MOVERS
91 CONCORDIA HOMES INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MILK ST 2014

1	KLOSS, WALTER E
	LAFLAMME, BRIAN J
2	SMOLAREK, RENATA
3	OCCUPANT UNKNOWN,
4	SKELLY, SCOTT A
6	BARRY, LINDSY B
8	KIRPAS, JEFFREY
	LEGARE, BEN
	RICHARD, A B
10	PAZ, THOMAS W
	PERRY, MATTHEW F
11	SAWYER, KATELYN
	SCHOFIELD, LAURA F
12	GETCHELL, BYRON M
13	HERTEL, FRANK
14	GETCHELL, BYRON N
15	LEVINE, DAVID E
16	MONTOYA, JANE
17	STEINBERG, STUART
19	OCCUPANT UNKNOWN,
22	OCCUPANT UNKNOWN,
24	AMEY, ROBERT
25	EARLS, RILEY
29	BOYLE, MICHAEL
30	WATERS, MICHAEL J
31	KOOMEN, WILLIAM N
32	MCALLISTER, MICHAEL S
33	LARSON PLUMBING & HEATING
34	KNOWLTON, JANE E
35	LINDQUIST, ELLIOTT W
36	FOWLER, TIMOTHY B
37	BAYLEY, SHEVAUN
	BRAND, JULIA A
	KELLETT, ANN C
	NELMS, JENNIFER L
	WETHERBEE, DONNA L
42	CITY OF NEWBURYPORT
43	DEARBORN, CHESTER J
45	BERKANDLER, GIA
46	SKELLY, SCOTT A
47	OCCUPANT UNKNOWN,
48	PEAR, JOHN R
49	KANE, KEVIN T
50	PEAR, JOHN R
51	WELCH, JOHN B
52	AYOTTE, CHRISTOPHER R
53	VOLKAY, JUDITH B
54	FIENE, MICHAEL J
55	OCCUPANT UNKNOWN,
56	EMERSON, BRADFORD G

MILK ST 2014 (Cont'd)

56	HART, JENNIFER
	LESK, MARK A
57	NICHOLS, MICHAEL J
58	EDELMAN, RUSS C
59	CRANE, VIRGINIA S
60	BAKLAND, SHEILA B
	BUTLER, JOHN F
	HICKOK, VALERIE C
	MILLS, HEATHER N
	MULKERN, BUD
	SILVA-ZION, ROSEMARY
62	ARMSTRONG, BRIT
	HICKOK, VALERIE
64	MILLS, HEATHER N
	WRIGHT, A
66	MILLS, ELISABETH
68	ELWELL, ELIZABETH R

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

PROSPECT ST 2014

5	BROOKS, JOHN
	BUNNELL, MADELEINE M
	OCCUPANT UNKNOWN,
7	TERZIS, ALEXIOS N
9	ASHWOOD, JENNIFER A
11	REYNOLDS, JAMES S
13	ANGELOS, WILLIAM W
15	CONEY, SARA A
	HERZOG, ARI B
	SOSA, CYNTHIA L
16	FIELD, NATE J
17	GILMARTIN, SUSAN A
	PLAISTED, SEAN E
18	OCCUPANT UNKNOWN,
19	FRANCIS, KIRBY
20	KLINETOB, ARLO
21	DELIBAC, CASEY
	MACINTOSH, NANCY J
22	WILLIAMS, MEAGHAN
24	HENDERSON, PETER R
	OTOOLE-HENDERS, LYNNE B
27	OCCUPANT UNKNOWN,
29	MACPHERSON, LESLIE A
30	ALLEN, JOSH R
	BRUMLEY, TERRY H
	HOFF, JULIA L
	RYAN, DEBORAH A
31	BATEMAN, HAYLEY E
	PAGDILAO, ANGIE
33	ROBINSON, CHARLES J
35	JAY, LESLIE M
36	LYSIK, ELIZABETH M
37	PRICE, BRIAN T
38	COOKE, SHELLEY M
40	NICHOLSON, JEANNE
41	MULVEY, ANNE M
42	DINION, ANNE E
	HARRIS, JAY D
43	COOPER, DOUGLAS A
44	JOHNSON, ALASDAIR Y
45	DOWNING, DOROTHY M
46	DROUIN, EDWARD L
	LEBLANC, JULIE A
	NOVAIS, ALEXANDRE X
	TRUDELL, TRACEE L
47	NICHOLSON, JEANNE L
49	DARREN, A O
50	DEVEAU, DONALD P
51	WOODWORTH, ARTHUR
53	KIMBALL, DARIN P

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

PROSPECT ST 2014 (Cont'd)

54	OCCUPANT UNKNOWN,
56	OCCUPANT UNKNOWN,
57	GANLEY, B
58	BABICH, BEN
	BOERSMA, HEATHER J
	MOCANU, STEPHEN G
	MOOERS, MARSHA L
	SAGRIS, ROBERT T
59	FERRY, GRACE
	GRAND, JOSEPH J
	KENNEALLY, PHILIP J
	MCCARTHY, HALEY
	PRENTICE, KIMBERLY
60	ALEXANDER, PHILIP B
	DASILVA, DARLING
	LOUGH, B R
	MERRILL, ADAM R
	ROUX-LOUGH, BRIGETTE
61	FRAME, ELIZABETH D
62	LAMB, DANIEL K
63	PETERS, JOSHUA L
64	SMITH, JAMES P
65	PANAS, STEPHEN P
66	OCCUPANT UNKNOWN,
67	PANAS, STEPHEN P
68	LEASENFELD, SUZANNE
	MASSE, RANDALL
	PALLADINO, BRIAN P
69	NORRIS, JOHN F
70	BENTLEY, TYLER R
	CARRIE, CHRISTINE
	CRONIN, MAUREEN M
	MASSON MOVERS
71	OCCUPANT UNKNOWN,
72	CAREY, GREGORY M
	MONROE, DENISE M
73	POUPON, YANNICK
74	GUYETTE, JEFFREY R
75	BUCKLEY, CAROL
76	KOWAL, ADAM
77	HUSSMAN, SUSAN
79	COLBY, NANCY B
81	CLAY, DAVE
	GRAY, AMY
	MURPHY, TIMOTHY J
82	ABRUZZI, PAUL A
	DINATALE, PAUL P
85	KHAN, AFROZ K
86	MCNULTY, LOIS A
88	RICHARDSON, MARGARET M

PROSPECT ST 2014 (Cont'd)

88	SUBRAMANIAN, ANANDHA
91	KNIGHT, LINDA E
	MACBURNIE, DUNCAN A
	MCCABE, DOUG B
92	BURD, BEC
93	POULIN, KRISTIN
95	DELEO, DONNA J
	ELMORE, JENNIFER A
	STRAZZERO, PAUL P
98	KELLEY, CAROL E
100	GALIZIA, BARBARA A
102	BRIDGES, BARBARA
105	LEBLANC, GARY W
107	ELAM, SUSAN
109	CARLEO, THOMAS E
111	CABRAL, KEN
113	HIATT, BROOKE T
115	SHANK, KYLE
117	BOUCHER, JOSEPH O
119	HAYES, CATHERINE B
121	BENTLEY, ROBERT M
125	HAYES, LAURIE
127	OSMOLSKI, THADDEUS V
129	CALLAHAN, KEVIN
131	DETELLIS, J
	SPENCER, ELIZABETH J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MILK ST 2010

1	HEMENWAY, LUCINDA A
	IRELAND, LEE H
2	SMOLAREK, RENATA
4	WEINBURGH, PAUL A
5	GRAVELLE, KATHLEEN
6	MOORE, JILL E
7	BYRON, LAURIE J
	WASHBURN, BETH
8	KILEY, KEVIN J
	KIRPAS, JEFFREY
10	KELCOURSE, DOLINA
11	SCHOFIELD, LAURA F
12	GETCHELL, BYRON M
13	HERTEL, FRANK
14	GETCHELL, BYRON N
	LAKOTA SIOUX INDIAN OUTREACH
15	LEVINE, DAVID E
16	MOODY, JANE
17	PATRICAN, BRIAN J
22	OFFHAUS, BRUCE F
24	LIPPSON, KEVIN M
25	EARLS, GREGORY D
27	CLARK, DALE A
29	NOURSE, KAREN T
30	WATERS, MICHAEL J
31	KOOMEN, WILLIAM N
33	LARSON PLUMBING & HEATING
	LARSON, ANDREW P
34	KNOWLTON, JANE E
35	LINDQUIST, ELLIOTT W
37	BAYLEY, SHEVAUN
	HANSON, POLLY V
	KELLETT, ANN C
	WETHERBEE, DONNA L
42	GEORGE W BROWN SCHOOL
43	DEARBORN, CHESTER J
45	KOUMANTZELIS, GIA
46	SKELLY, SCOTT A
47	BAYKO, RICK J
48	PEAR, JOHN R
49	KANE, KEVIN T
50	PEAR & PARTNERS
51	WELCH, JOHN B
52	CINCOTTA, ANGELA M
53	VOLKAY, WILLIAM N
54	FIENE, MICHAEL J
55	SNELL, WAYNE C
56	LESK, MARK A
57	DODGE, OLLIE
58	EDELMAN, RUSS C

MILK ST 2010 (Cont'd)

60	BAKLAND, SHEILA B
	BOURIEZ, LOUIS
	HICKOK, VALERIE C
	MULKERN, JOHN J
	WRIGHT, JOY A
62	ARMSTRONG, BRIT
64	WRIGHT, A
66	BOURIEZ, LOUIS
	MILLS, ELISABETH
	SILVA, ROSEMARY

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

PROSPECT ST 2010

5	BONNELL, DAVID J
	BROOKS, JOHN
	CROTEAU, RITA
9	ASHWOOD, JENNIFER A
11	REYNOLDS, JAMES S
12	FREEMAN, JAMES M
13	ANGELOS, WILLIAM W
15	BRECHNER, ROGER K
	CHASE, JOSH
	HERVOG, ARI
	MCHALE, JILLIAN T
17	CRAIG, JASON
	GILMARTIN, SUSAN A
	OLIVEIRA, LAURA H
	PLAISTED, SEAN E
19	BRYAN, SCOTT J
	FRANCIS, ANNIE
	GITTLEN, MIA F
20	LARZELEREKLINETOB, MARGARET A
21	PLANTAMURA, PAUL M
22	WILLIAMS, MEGAN E
27	JOHNSON, WILLIAM W
29	MOORE, LAUERN
	RUSSO, WARREN P
30	BRUMLEY, TERRY H
	GULLIVER, CATHERINE J
	HOFF, JULIA L
32	SMITH, ALLISON M
33	NAPPA, G
35	JAY, LESLIE M
36	LYSIK, MARGARET A
37	ENGEL PETER L
	PRICE, BRIAN T
38	COOKE, SHELLEY M
41	MULVEY, ANNE M
42	COLONY CONSTRUCTION
	HARRIS, JAY D
43	COOPER, DOUGLAS A
44	JOHNSON, ALASDAIR Y
45	DOWNING, DOROTHY M
46	BREAU, PAUL
	NOVAIS, ALEXANDRE X
47	NICHOLSON, JEANNE L
48	QIAN, JADE Y
49	MARCOTTE, DAVID P
50	DEVEAU, DONALD P
51	ENGEL, PETER L
	WOODWORTH, GHLEE E
52	MARCHANT, DANA D
53	KIMBALL, CAROL A

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

PROSPECT ST 2010 (Cont'd)

54	CHABRIER, YVONNE V
56	STREIFF, DAVID D
58	ALEXANDER, PHILIP B
	BABICH, BEN
	PRUSZENSKI, ANTHONY S
	SCANLON, MATTHEW R
59	BROGAN, CLAIRE D
	RING, CAROL A
60	ALEXANDER, PHILIP B
	DASILVA, DARLING
	MERRILL, ADAM R
61	FRAME, ELIZABETH D
62	LAMB, DANIEL K
63	BUTTERS, SCOTT A
	S A BUTTERS FINANCIAL PLANNING
64	SMITH, JAMES P
65	PANAS, PETER S
66	WEBB, ANTHONY R
67	PANAS, STEPHEN P
68	ELLIOTT, PETER
	LEASENFELD, SUZANNE
	ZIMMERN, HOWARD H
69	NORRIS, JOHN F
70	BAKER, SUZANNE E
	BENWARE, ROBERT J
	CARRIE, CHRISTINE
	ESPINOZA, LISETT
71	MCLAUGHLIN, ROBERT F
72	MONROE, DENISE
73	POUPON, DANIELLE
75	SUPRIN, EDWARD S
76	KOWAL, ADAM
77	GROFF, ADAM
79	COLBY, NANCY B
81	CLAY, DAVE
	HOBSON, JASON L
	LICHTENSTEIN, CRAIG T
	NA, WELLS F
	PHILLIPS, ROBERT C
	POLLARD, GRACE
82	ABRUZZI, PAUL A
	DINATALE, PAUL P
85	BOGART, ROBERT J
86	IRVINE, JOYCE
87	JUNKINS, WILLIAM H
88	RICHARDSON, MARGARET M
	SUBRAMANIAN, ANANDHA
91	BLANCHETTE, MATTHEW M
	KNIGHT, LINDA E
	MCCABE, DOUG B

PROSPECT ST 2010 (Cont'd)

91	PIVA, GEOFFREY A
93	POULIN, K
95	DELEO, DONNA J
	ELMORE, JENNIFER A
	HOFFMAN, GREGORY A
98	KELLEY, CAROL E
100	GALIZIA, BARBARA A
102	BRIDGES, BARBARA
103	MARTIN, MARJORIE K
105	LEBLANC, GARY W
107	ELAM, SUSAN
109	CARLEO, THOMAS E
111	CABRAL, KEN
113	HIATT, EILEEN K
117	BOUCHER, JOSEPH O
119	SPRINGER, CURT
121	BENTLEY, ROBERT
125	HAYES, LAURIE
127	OSMOLSKI, THADDEUS V
129	CALLAHAN, KEVIN
131	DETELLIS, J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MILK ST 2005

1	CONWAY, JOAN E
	COUTURE, JENNIFER A
	HEMENWAY, LUCINDA A
	STANWOOD, LEONARD J
	TRENHOLM, MARLENE
2	CAMP, MARTIN
3	SANDERSON, STEPHEN J
4	EATON, CHARLES C
5	GRAVELLE, KATHLEEN
8	BURNS, RICHARD A
9	OBRIEN, SACHA H
	WILLIAMS, J
10	TAPLEY, LISA A
11	ETTER, BOB E
	RICE, MARGARET A
	RUDNITSKY, KIM M
12	GETCHELL, BYRON M
13	LYNCH, RUTH E
14	GETCHELL, BYRON N
15	LEVINE, DAVID E
16	MOODY, JANE
17	PATRICAN, BRIAN J
22	OFFHAUS, BRUCE F
24	JAMISON, MARTHA H
25	EARLS, GREGORY D
29	COLLINS, W
30	WATERS, MICHAEL J
31	KOOMEN, WILLIAM N
33	KENNEY, MAUREEN H
	LARSON PLUMBING & HEATING
34	KNOWLTON, JANE E
35	LARSON, ANDREW P
37	COLANGELO, SUSAN R
	HANSON, POLLY V
	KELLETT, ANN C
	NORTH SHORE EQUINE LLC
	STARRETT, KARYN L
43	DEARBORN, CHESTER W
45	WACKERLE, JENNIFER L
47	BAYKO, RICK J
48	PEAR, DIANA
49	KANE, KEVIN T
50	PEAR & PARTNERS
	PEAR, JOHN R
51	WELCH, JOHN B
52	CINCOTTA, ANGELA M
53	VOLKAY, JUDITH B
54	FIENE, MICHAEL J
56	CHOATE, BECKY
	KOSEL, LINETTE

Target Street	Cross Street	Source
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MILK ST 2005 (Cont'd)

57	DODGE, STEPHEN W
58	KLEIN, JAMESON
59	MATTINA, BARBARA A
60	CROSSMAN, MICHELLE A
	MILLS, ELIZABETH
	PHILLIPS, ELAINE M
	SULLIVAN, GRACE C
	WRIGHT, JOY A
62	EVANGELISTA, MARK S
	MARQUIS, NICOLE C
66	BOURIEZ, LOUIS
	MILLS, ELISABETH
	WRIGHT, JOY A

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

PROSPECT ST 2005

2	BONNELL, DAVID J
5	BAZIRGAN, RICHARD C
7	TERZIS, ALEXIOS N
9	HINTON, RICHARD P
11	REYNOLDS, JAMES S
12	FREEMAN, JAMES M
13	ANGELOS, WILLIAM W
15	SIMONDS, K P
16	MURPHY, PETER
17	CRAIG, JASON
	ESTABROOK, DAVID C
	MENTASTI, IAN
	PLAISTED, SEAN E
18	GIBBS, JAMES N
19	BRYAN, SCOTT J
	COFFEY, L
	FRANCIS, K
	PARKER, KRISTIN L
20	LARZELERE, M A
21	MCFADDEN, THOMAS P
22	WILLIAMS, MORGAN
27	JOHNSON, WILLIAM W
29	PRABHAKAR, PRITI C
30	BRUMLEY, TERRY H
31	EGAN, KELLIE A
33	NAPPA, G
34	LYSIK, MARGARET A
36	LYSIK, MARGARET A
37	ENGEL, PETER L
38	COOKE, SHELLEY M
41	ONEILL, DONNA O
42	ANICI, TANIA S
	COLONY CONSTRUCTION
	DEWIJS, BERT
43	COOPER, DOUGLAS A
45	DOWNING, ALAN S
46	GERTH, R
	LUCE, DIANE L
48	HEMLEPP, DOUGLAS
49	BARTON, PATRICIA L
50	DEVEAU, DONALD P
51	WOODWORTH, TODD C
52	CLANCY, ANNE
	MURRAY, TOM
54	ODLE, SHARON A
56	STREIFF, SAM D
58	EATON, M
	LOMBARDI, R
	RICH, GEORGE G
59	BECKER, HENRY C

PROSPECT ST 2005 (Cont'd)

59	BLACK, DENNIS R
	FINNEGAN, SHAWN J
	LONGPRE, JANE B
60	PRUSZENSKI, ANTHONY S
61	ABBOTT, VAUGHN M
62	GRINNINGS, LESTER E
64	MAHONEY, MAUREEN A
65	PANAS, PETER S
66	WEBB, ANTHONY R
67	PANAS, STEPHEN P
68	COMORA, MIKE
	ELLIOTT, PETER
	IVONE, TOM
	LEASENFELD, SUZANNE
	SHIRLEY, J
	WESTLEIGH, NICOLE L
69	NORRIS, JOHN F
70	SMITH, HAROLD E
71	MCLAUGHLIN, ROBERT F
72	CAREY, CHRISTINE M
73	MCDERMOTT, MICHAEL J
74	GUYETTE, RANDOLPH A
75	SUPRIN, EDWARD S
76	KOWAL, ADAM
77	COLBY, NANCY
	LEONARD, NANCY B
81	BRIDGES, J
	PHILLIPS, ROBERT C
	POLLARD, BRUCE J
82	DINATALE, PAUL P
85	GIVENS, WILLIAM R
86	AUGUSTSSON, LENNART
	CUTCLIFFE, RICHARD A
87	JUNKINS, WILLIAM H
88	HAMILTON, JODI E
	LEWIS, DAVID M
	SUBRAMANIAN, ANANDHA
	TAYLOR, TIMOTHY
91	ANDERSON, LOREN
	APICELLA, JEFF D
	BURKHOLDER, KRISTEN R
	EBRAHIM, FATIMA F
	KNIGHT, LINDA E
	SULLIVAN, TIMOTHY
	VILLMOW, LINDA M
92	SERIO, JOCELYN
93	POULIN, K
95	PEARSON, JOSEPH
98	GUCKENBURG, ALEX J
100	GALIZIA, BARBARA A

Target Street	Cross Street	Source
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PROSPECT ST 2005 (Cont'd)

103	MARTIN, HENRY B
105	BARBOUR, JOANN A
107	ELAM, SUSAN
109	AGARWAL, ADITYA
111	HENDERSON, PATRICIA A
113	HIATT, EILEEN
115	LANGDON, BENJAMIN T
117	BOUCHER, JOSEPH O
119	HAYES, CATHERINE A
121	KUSLER, JOHN E
125	COLEMAN, BRETT
127	OSMOLSKI, THADDEUS V
129	CALLAHAN, KEVIN
131	GARIEPY, K

Target Street	Cross Street	Source
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MILK ST 2000

1	CONWAY, MICHAEL
	MACBURNIE, P J
	MACLELLAN, MICHAEL P
	POMEROY, MAUREEN L
	ROSSI, STEPHEN E
2	CAMP, MARTIN J
3	DRISCOLL, HEIDI
	SANDERSON, STEPHEN
4	EATON, CHARLES
5	GALLANT, BARBARA
	MUNSON, ANNE B
	ROSSI, KELLEY
	SEYMOUR, CAROLYN
7	WASHBURN, BETHANY
8	BURNS, RICHARD
	STITZER, JOHN D
9	FRANZONI, F
	RICHARD, DAVID
	WILLIAMS, CORALIE
10	TAPLEY, LISA A
11	CUOCO, ALICIA
	DAVIS, MICHAEL W
	ETTER, ROBIN
	NELSON, CLIFF
12	GETCHELL, BYRON M
13	LYNCH, RICHARD E
14	GETCHELL, BYRON M
15	DINMORE, SALLY J
16	MOODY, JANE
17	BELANGER, MARIE
19	GARRETT, BRIAN H
21	EARLS, NANCY
22	NOYES, NANCY E
24	JAMISON, MARTHA H
25	EARLS, GREGORY
27	WHITNEY, J A
29	HAWKES, F M
30	MCMAMARA, E R
	WATERS, MICHAEL
31	KOOMEN, WILLIAM
32	MORRIS, JEFF
33	COWAN, ROBERT B
	KENNEY, MAUREEN
	LARSON PLUMBING & HEATING
34	MILLER, RICHARD M
35	MORENO, MELANIE J
36	FOWLER, WALTER
37	ABBOTT, RICHARD J
	ATKINSON, JOAN C
	BUCKLEY, MURIEL H

Target Street	Cross Street	Source
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MILK ST 2000 (Cont'd)

37	CLIFFORD, V N
	HANSON, POLLY
	LORING, JOHN E
	SHEETS, RUTH A
43	DEARBORN, DANIEL J
45	WACKERLE, J
47	BAYKO, RICK
49	DODGE, STEPHEN W
	KANE, KEVIN
	PAGE, BARBARA
50	PEAR & PARTNERS
	PEAR, JOHN R
51	DENNEHY, PAT
	GOLD, LAURA M
	MOOREHEAD LAURA S
54	FIENE, MICHAEL J
	SORENSON, MARY
56	LESK, PHILIP
	SORENSON, MARY
57	CORMIER BOYS
	CORMIER, BOYS
58	KLEIN, DIANE
	PARENTEAU, KLEIN D
59	SLATER, MICHAEL R
60	MARQUIS, NICOLE C
	SULLIVAN, GRACE C
	WRIGHT, JOY A
62	WHITNEY, PALMER
66	DUNN, P
	MILLS, E
	PORTERFIELD, LINDA
68	ELWELL, FREDK

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

PROSPECT ST 2000

5	BAZIRGAN, RICHARD C
	BONNELL, DAVID
	PERRY, JOHN
7	TERZIS, ALEXIOS
9	DOW, ANN H
	ENTRICAN, SUSAN J
	HINTON, RICHARD
11	HAGER, MAXWELL
15	BOVA, DENISE
	PARKER, HELEN E
	SCHWALJE, STEVE
16	KELLEHER, MARY W
17	ESTABROOK, DAVID C
	GOLEN, C
	SCOTT, C
	STINE, SARAH
	WILLIAMS, SARAH E
19	BRYAN, SCOTT
	DOMSIC, DIANE
20	LARZELERE, M A
21	COLORIO, FRANK
	EASTMAN, ASHLEY E
	KEITH, C
	MCFADDEN, THOMAS P
	PUNCHUR, JOSH T
	WINTERTON, JEFF
24	BIRRELL, DAVID W
27	JOHNSON, WILLIAM W
29	DOSICK, SUSAN
	PATTISON, T
30	BRUMLEY, THERESA H
31	EGAN, KELLIE
	KELLETT, ROBIN
32	LATTIME, WAYNE A
33	NAPPA, G
36	LYSIK, E
37	CONNORTON, MATTHEW
38	COOKE, SHELLEY
41	MULVEY, ANNE
	ONEILL, DONNA
42	ANICI, TANIA
43	COOPER, ALLEN
44	WILLIAMS, PETER
45	DOWNING, ALAN S
46	BAILEY, JAMES
	DESPRES, GABRIEL W
	TOPITZER, J C
47	GODSEY, RICK
	NOONAN, JOHN
48	BEAUDOIN, MICHAEL D

Target Street	Cross Street	Source
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PROSPECT ST 2000 (Cont'd)

48	COUGHLIN, JEAN R
	TALKINGTON, RAYMOND W
49	MORRISON, JEAN E
50	DEVEAU, DONALD P
51	JACKSON, A
52	VANDERSHEER, H
54	JOHNSON, FRANK E
56	STREIFF, S D
57	MARSHALL, ANN F
58	FONTAINE, GENE
	NEARY, MICHAEL C
	PRUSZENSKI, ANTHONY S
	WOOD, STEPHEN J
59	BLACK, DENNIS R
	RICCI, RUDOLPH
	SELDIN, MARY J
60	BABICH, BEN
	PRUSZENSKI, ANTHONY
62	GRINNINGS, LESTER E
63	MARCOUX, JOSEPH C
65	PANAS, PETER S
66	WEBB, ANTHONY R
67	PANAS, STEPHEN P
68	ELLIOTT, SAMATHA
	HUGHES, MICHAEL
	IVONE, TOM
	PALLADINO, BRIAN
69	PALLADINO, BRIAN P
71	MCLAUGHLIN, ROBERT F
72	PARTRIDGE, ANDREW B
73	MCDERMOTT, MICHAEL
75	SUPRIN, ALBERTA P
76	KOWAL, ADAM
77	MCKRELL, THOMAS
79	ENTRICAN, SUSAN J
81	LEBRECK, MICHAEL
	POLLARD, BRUCE
82	CAYOT, CLAIRE
	DINATALE, PAUL P
	NICHOLS, LINDA L
85	JUNKINS, WINNIE H
86	COMEAU, D
	SPANGENBERG, KAREN
87	JUNKINS, NORMAN
88	DESIMONE, JANE E
	NORRIS, DEBBI
91	BURKHOLDER, KRISTEN
	COSTANZA, STEPHEN
	DAILIDA, MATTHEW
	HONOHAN, COLLEEN P

PROSPECT ST 2000 (Cont'd)

91	LAY, GREGORY
	TAYLOR, SCOTT
93	DELISLE, TAMMY L
	HOFF
97	SURETTE, M
98	FARRELL, CATHY
103	MARTIN, HENRY B
105	HERMAN, JAMES
107	ELAM, SUSAN
	LUKE, L
109	FREEMAN, JAMES
111	HENDERSON, PATRICI L
113	KAHL, PAMELA A
	LEE, RICHARD
115	MACLEOD, RICK
	PATTEN, SUSAN
117	BOUCHER, JOSEPH O
119	STEVENS, LYNN V
121	KUSLER, JOHN
	PICKARD, CHARLES
	RAFFENETTI, NICOLE M
125	ROBINSON, C J
127	OSMOLSKI, THADDEU
129	GYNAN, LAURIE
131	ALFORTISH, LESTER A
	CRABTREE, JULIE C

Target Street	Cross Street	Source
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MILK ST 1995

1	GAMBLIN, M
	MERTZ, M
	ROGERS, L
2	BENDER, LORRAINE
3	DUMAS, ELLEN
4	EATON, CHAS
5	AHLQUIST, COURTNEY
	EATON, TRAVIS
	GALLANT, BARBARA
6	EATON, ANNA
	EATON, TACIANA
7	WASHBURN, S
8	BURNS, RICHARD & RUBY
	GRAF, K
9	BISHOP, STEPHANIE
	FUNCHION, ERIN
	RICHARD, MARC
10	TAPLEY, LISA & SCOTT
11	NELSON, CLIFF
	PEARSON, JOS C
13	LYNCH, R E
14	GETCHELL, BYRON M
15	ALLING, BETH
	HILDT, J BRADLEY
16	MOODY, JANE
17	GARRETT, KANDI D
19	BROOKS, RICHARD & DEBRA
24	BRUN, M H
25	ERICKSON, KRISTINE
27	WHITNEY, J A
28	BLUE STAR HOME IMPROVEMENTS
29	HAWKES, FREDK M
30	MCMAMARA, E R
	WATERS, MICHAEL
32	MORRIS, JEFF
33	KENNEY, DANIEL
	LARSON, ANDREW P
34	MILLER, RICHARD M
35	FOSS, JOS & SHARAL
36	FOWLER, WALTER & ELORA
37	BUCKLEY, MURIEL H
	HANSON, P
	LANE, MARY & BYRON
	LORING, JOHN E
41	ANTARAMIAN, PAUL
	BALD, CYNTHIA
	BREWSTER, NANCY
	CUNNINGHAM, LEON
	GLADU, RUTHANN
	LAGANA, SALVATORE

MILK ST 1995 (Cont'd)

41	MARTIN, JOSHUA
	PROVENCHER, LAURETTA
43	DEARBORN, CHESTER W
45	SEVIGNY, MARC & NANCY
47	PHRANER, STEVEN
50	PEAR, JOHN R W
51	GOLD, L
	SUNDOWN SITTERS
52	PINGREE, GEO C
53	O'SHEA, PETER
	TODD, EDW P
54	FIENE, MICHAEL J
55	ROMEO, MARK
56	BELISLE, PAULINE
57	CORMIER, MARTIN & LINDA
58	KLEIN, DIANE
	KLEIN, ROBYN & JAMESON
59	GIBBS, J M
60	FYLER, RICHARD A
64	COBURN, MARY
	ERICKSON, S
68	ELWELL, FREDK

Target Street	Cross Street	Source
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PROSPECT ST 1995

5	BONNELL, DAVID
	CROTEAU, MARY
7	TERZIS, ALEXIOS
9	DOW, C E
15	DESALVO, R
	POFF, MICHAEL F
16	KELLEHER, M W
17	ANDERSON, VALERIE
	SCOTT, C
	VERMILYEA, K
18	SEBASTION, DEBRA
19	GAUDREAU, L
	PRESTON, PAUL
20	POTOCKI, J & P
21	PEARSON, ADELAIDE J
	REYNOLDS, FRANK
	SCHAEFER, C
22	SCHNAPPAUF, D
	SHIPPS, S
24	BIRRELL, DAVID W
	DENMAN, L
25	LINKS LOCK SHOP
27	JOHNSON, WM W
29	DOSICK, S
	KROHTO, ERIC
	STRAUCH, LESLIE
30	RACIOPPI, MICHELLE
31	CHASE, ANITA H
	HART, G
	QUACKENBUSH, J
32	DAVIS, K
33	NAPPA, G
35	PAGE, BARBARA
36	LYSIK, JOHN S
37	SYKES, V F
38	COOKE, S
41	MULVEY, ANNE
	O'NEILL, DONNA
42	SMITH, STEPHEN
43	GAGNE, ARTHUR V
44	BASCOM, WYNNE & OLIVE
46	BAILEY, JAS
	VOGELL, SANDY
47	FICHERA, TIM & PETE
48	FALLON, N
	TALKINGTON, R W & K V
49	MORRISON, HERMAN G
50	DEVEAU, DONALD P
51	JACKSON, ALDWORTH C
	WOODWORTH, TODD C, FUNRL DIR-RES

Target Street	Cross Street	Source
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PROSPECT ST 1995 (Cont'd)

52	HABEEB, CATHY
	SHEEHAN, TIM
53	KEEFE, THOS H & MARGARET C
54	CAREY, WM MICHAEL
56	STREIFF, S DAVID
57	MARSHALL, ALBERT E
58	PRUSZENSKI, ANTHONY STANLEY, JR
	RING, ROBT P
59	BEAUCHESNE, ARTHUR D
	BLACK, DENNIS R
	CROOK, M
60	PRUSZENSKI, ANTHONY & MARY
	TETREAULT, LAURIE A
62	KITELEY, B
63	MARCOUX, JOS C
64	CAHILL, DOROTHY
65	PANAS, PETER S
67	PANAS, A
	PANAS, STEPHEN P
68	DAVIS, KEVIN
	VEDRANI, L A
70	CAMERON, CHERYL A
	RICHARDS, EARL J
71	MCLAUGHLIN, ROBT F & SUZANNE
72	PARTRIDGE, ANDREW B
	ROY, S A
73	MCDERMOTT, MICHAEL & PATRICIA
74	GUYETTE, RANDOLPH B
75	SUPRIN, ALBERTA P
76	KOWAL, ADAM & CYNTHIA
77	THOMAS, JEFF
79	MACKEL, B
82	CAYOT, C M
	DINATALE, PAUL P
85	JUNKINS, W
86	BACHLI, THOS
	LAMOND, J C
87	JUNKINS, NORMAN
88	MORELLI, S & A
91	MARTIN, S V N
	POJASEK, JOHN
	SALDARINI, ROBT
	TAYLOR, SCOTT
93	HOOKER, R J
	SPLAINE, DANL J
95	GRIFFIN, SUSAN & MARK
97	BREIDENBACH, J
98	REYNOLDS, LYNN
100	GRILLO, J
102	RYAN, EDW L

PROSPECT ST 1995 (Cont'd)

103	MARTIN, HENRY B
107	LUKE, L
	SONNER, K WHITE
109	QUINLAN, PAUL J
111	HENDERSON, PATRICIA L
113	LEE, RICHARD
117	BOUCHER, JOS O
119	SMITH, H CLARK
	VAUGHN, D T
121	KUSLER, JOHN
	PICKARD, CHAS
125	ROBINSON, C J
127	OSMOLSKI, THADDEUS
129	GYNAN, LAURIE

Target Street	Cross Street	Source
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MILK ST 1992

1	GAMBLIN, M
	MERTZ, M
	ROGERS, L
2	THISTLE, D
3	DUMAS, ELLEN
4	EATON, CHAS
5	GALLANT, BARBARA
6	EATON, ANNA
7	HEATH, ROBYN
8	BURNS, RICHARD & RUBY
	TAPLEY, LISA & SCOTT
9	LETENDRE, PAUL & MARLENE
	RICHARD, MARC
10	KELLY, DOUGLAS S
11	BILLQUIST, SIGRID JULA
13	LYNCH, R E
14	GETCHELL, BYRON M
15	HILDT, J BRADLEY
16	MOODY, JANE
17	GARRETT, KANDI D
20	CUTLER, E K
	DROUIN, J A
24	BRUN, ROBT L & M H
25	LAMY, PATRICE & KRISTINE
27	WHITNEY, J A
28	PONDICK, JEFFREY
	VOGES, JEAN
29	HAWKES, FREDK M
	HAWKES, LAURIE & MARK
30	MCMAMARA, E R
	WATERS, MICHAEL
31	KOOMEN, WM
32	MILLER, RICHARD M
33	LAVERSA, CHAS & SANDY
34	HOLBEN, MELVIN
35	FOSS, JOS & SHARAL
37	BEISHEIM, M
	BUCKLEY, MURIEL H
	GANONG, J
	LANE, MARY & BYRON
	LORING, JOHN E
41	CRONIN, P
	GLADU, R
	HAVERHILL NEWBURYPORT HUMAN SERVICES INC-COMMUNITY RESIDENCE
43	DEARBORN, CHESTER W
45	SEVIGNY, MARC & NANCY
47	PHRANER, STEVEN
50	PEAR, JOHN R W
51	ABREU, E
	GOLD, L

Target Street	Cross Street	Source
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MILK ST 1992 (Cont'd)

52	PINGREE, GEO C
53	CORMIER, MARTIN
	CORMIER, MARTIN & LINDA
54	FIENE, MICHAEL J
55	ROMEO, MARK
56	DAY, ROBT
	EVANS, VIRGINIA
	HIDY LANCE ASSOCIATES
	PALMITER, RUSSELL
57	LEIGH, HALL J
58	DEWOLF, JAS
	DOLAN, C A
59	GIBBS, J M
60	FYLER, RICHARD A
64	ERICKSON, S
	RICE, M
68	ELWELL, FREDK

Target Street	Cross Street	Source
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PROSPECT ST 1992

5	CROTEAU, MARY
7	TERZIS, ALEXIOS
9	DOW, C E
13	ANGELOS, WM
15	BROWN, H
	POFF, MICHAEL F
	SWENSON, L A
16	KELLEHER, M W
17	DODGE, C
	FRAMPTON, KURT R & DIANE M
18	WOZMAK, J
19	MARTIN, SCOTT A
	VANDERVEEN, TIMOTHY
20	CHADWICK, GRAHAM & SUSAN
21	FAY, M
	MANOURIAN, LISA
	REYNOLDS, FRANK
22	SCHNAPPAUF, D
	SHIPPS, S
24	BIRRELL, DAVID W
	CAVAN, A
25	LAPIERRE, T E
	LINKS LOCK SHOP
27	JOHNSON, WM W
29	BISHOP, KAREN L
	DOSICK, S
30	RACIOPPI, AUSTIN P & M MICHELLE
31	QUACKENBUSH, J
	SCRIBNER, DOUGLAS V
32	DAVIS, K
33	NAPPA, G
35	DOUBY, SERGE
36	LYSIK, JOHN S
37	SYKES, V F
38	COOKE, S
41	MULVEY, ANNE
	O'NEILL, DONNA
42	KLOSE, K
43	GAGNE, ARTHUR V
44	BASCOM, WYNNE & OLIVE
47	HADDAD, WM J
48	KENT, W & K
	TALKINGTON, R W & K V
49	MORRISON, HERMAN G
50	DEVEAU, DONALD P
51	JACKSON, ALDWORTH C
	WOODWORTH, TODD C, FUNRL DIR-RES
52	HASTINGS, CHRISTOPHER
	REWCASTLE, A
53	KEEFE, THOS H & MARGARET C

Target Street	Cross Street	Source
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PROSPECT ST 1992 (Cont'd)

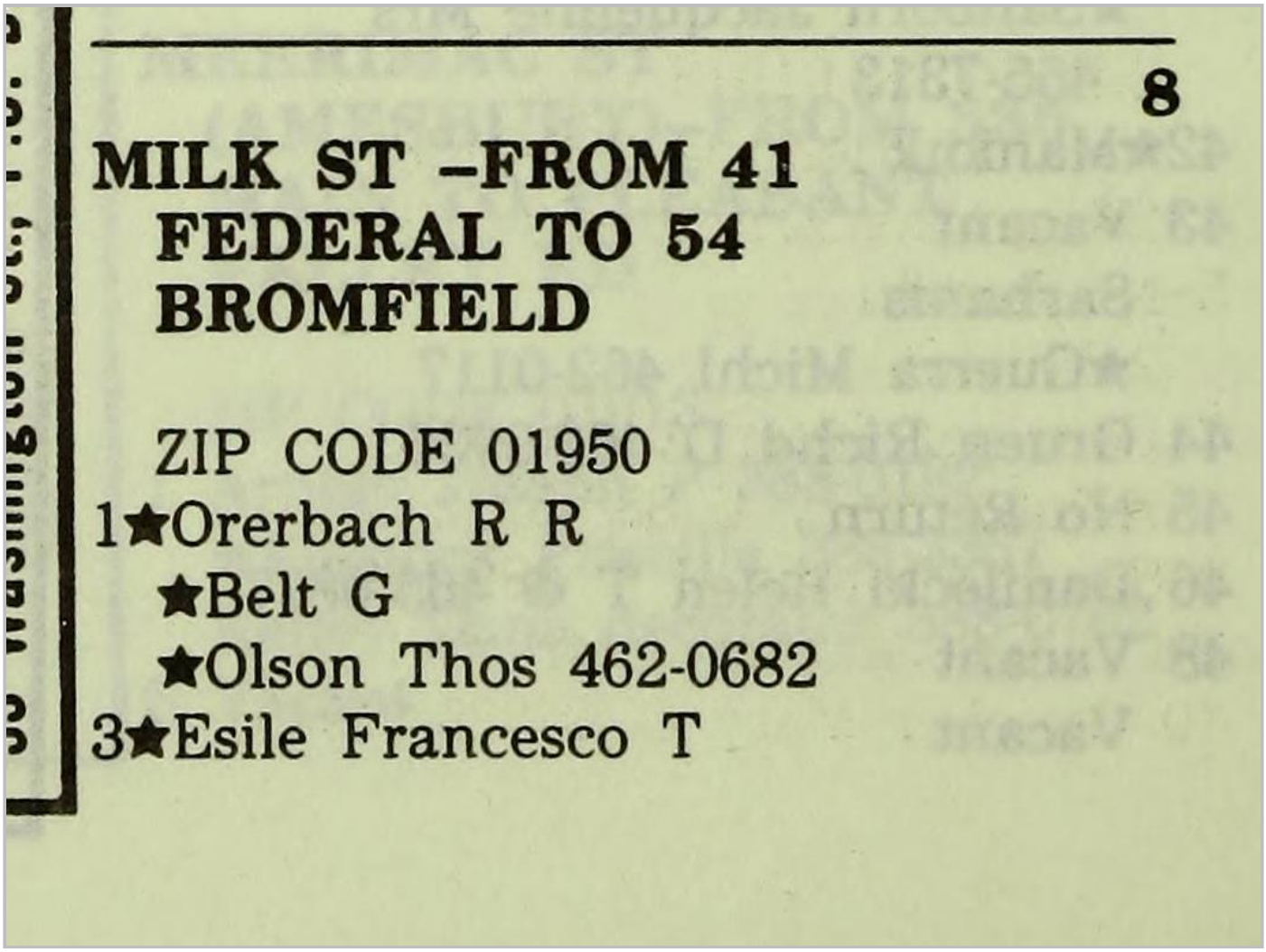
54	CAREY, WM MICHAEL
	CAREY, WM MICHAEL, PSYCHOTHRPST
57	MARSHALL, ALBERT E
	MARSHALL, C A
58	LUNA, P
59	BEAUCHESNE, ARTHUR D
	BLACK, DENNIS R
60	LUNA, TIMOTHY
	VALLARIO, J
61	CORLISS, A
62	BURL, GERALD F
63	MARCOUX, JOS C
64	CAHILL, DOROTHY
65	PANAS, PETER S
67	PANAS, A
	PANAS, STEPHEN P
68	SWAIN, C L
70	STEPHAN, CHRISTOPHER & PATRICIA
71	MAINES, RICHARD
	MUNDRY, S E
72	MEAD, L L
	STEBBINS, BERNARD A
73	MCDERMOTT, MICHAEL & PATRICIA
74	GUYETTE, RANDOLPH B
75	SUPRIN, ALBERTA P
76	KOWAL, ADAM & CYNTHIA
77	LEONARD, N
79	MACKEL, B
81	BERIAN, K
82	DINATALE, PAUL P
	HENDERSON, PATRICIA L
85	JUNKINS, W
86	LAMOND, J C
87	JUNKINS, NORMAN
88	ROMER, S
91	AUTIO, KEITH
	MARTIN, S V N
	TAYLOR, SCOTT
	VILLMOW, L
	WOODIEL, WM E
92	BANWELL, PETER
93	POJASEK, JOHN
95	PRUSZENSKI, ANTHONY STANLEY, JR
100	GALLAGHER, KEVIN & DEBBIE
	GALLAGHER, KRIS
102	RYAN, EDW L
103	MARTIN, HENRY B
107	LUKE, L
	SONNER, K WHITE
109	QUINLAN, PAUL J

PROSPECT ST 1992 (Cont'd)

111	ALLEN, WILLIAM M
113	KELLEY, J
	LEE, RICHARD
117	BOUCHER, JOS O
119	VAUGHN, D T
121	KUSLER, JOHN
	PICKARD, CHAS
125	ROBINSON, C J
127	OSMOLSKI, THADDEUS
129	GYNAN, LAURIE
131	BEATTY, SARA
	CAMPBELL, JEFF & BARBARA
4212	LESIKER, STEPHEN W
4612	NOVE, P L

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1987



8

MILK ST –FROM 41
FEDERAL TO 54
BROMFIELD

ZIP CODE 01950
1★Orerbach R R
★Belt G
★Olson Thos 462-0682
3★Esile Francesco T

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1987

4 Eaton Chas C S 465-5772
5★Belanger Jas T 462-1248
6 Eaton Anna R 465-8617
7★Kerr David C 462-4479
8 Burns Richd ◎
★Burke Christine 462-0537
9★Bouchey Anthony W 462-6128
★Kelley Kathrine 462-4160
★Waye Laura
10★Tebbetts Arth B 465-0489
★Mitchell Margt
★Pennington H 462-8940
11★Billquist Julia S 465-1543
★Sylvester Lisa
★Pelletier Lauri
★Pelletier Jazmynn R 465-6239
13 Donahue Ruth A Mrs ◎
465-0387
14 Getchell Byron M 462-8692
15★Hildt J Bradley ◎ 462-4754
★Hildt Eliz A Mrs film
producer
16 Ploss Donald B ◎ 462-7816
★Ploss Jean M Mrs artist
17 Belanger Carmella M Mrs ◎
18 Fairweather Dale A Mrs
462-9656
19 Belanger Carmella M Mrs
(addl sp)
★Brooks Everett
20★Allen Ruth P
★Martin Thos A 465-8377
22 Brooke Witter F ◎ 462-4066
24 Jamison Martha H 462-2993
25 Vacant
27 Whitney Jean A Mrs ◎
465-3785
28 No Return
29 Hawkes Fredk M ◎ 465-0541
30★Waters Michl 462-3949

9

31 Vacant
32 No Return
33 Govgnon Maraia 462-2835
34 Dalton David J
LIME ST INTERSECTS
35 Scott Edw 465-0463
37 Vacant
No Return
38 No Return
40 Brown Geo W School 462-4372
41 Haverhill Newburyport Human
Services community res
462-7743

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1987

MILK ST–Contd

43 Dearborn Chester W ◎
465-0679
45 Auger Camille E ◎ 462-2810
47 Phraner Steven P ◎ 465-0790
48 No Return
49★Dodge Steph W ◎
50 Pear John R W ◎ 462-4689
★Hodges Lisa 462-6541
51★Gold Laura M ◎ 462-1315
FRANKLIN ST ENDS
52 Pingree Geo C ◎ 465-9267
53★Cormier Martin L ins broker
465-2246
54 Fiene Michl J ◎ 462-1915
55★Romeo Mark 462-8673
56★Beckwith John ◎ 465-6248
57 Leigh Mary W ◎ 462-2268
58 Noyes Rupert C ◎ 462-4535
59★Pitteway Martha
★Pappas John J
No Return
60 No Return
62 Ventresca Mark T 462-8497
63 No Return
64 Costain Lynda E 462-2678
★Feuer Peter 462-2443
★Langsam Nancy R 462-2831
66 Vacant
68★Elwell Fred K 465-8424
79 No Return

MILL ST (AMESBURY)

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1987

14

PROSPECT ST –FROM 85 STATE TO 68 BROMFIELD

ZIP CODE 01950
5 Vacant
★Isabelle Leo 462-7019
Rear★Bosteels Daryl R
7 Terzis Alexios N ◎ 462-4096
9 Dow Eliz G Mrs ◎ 465-5048
11 Hager Margt L 465-1429
13 Angelos Wm ◎ 465-9126
15★Brigham Thos
Fairbanks Claire 462-1954
★Johnson Wm 465-7899
OTIS PL BEGINS
16 Olga's Beauty Shop 462-2731
Roche Olga Mrs ◎ 462-2731
17★Kasol Michl S
★Caswell Joan 462-3477
★Schlichting Abby
19★Villenewe Cynthia
★Bernard Sandra 462-7515
★Le Boeuf Jeffrey
20 Eaton Ruth P Mrs ◎ 462-6969
21 Apartments
1★Alexander Sally
2 Vacant
3 Coryell Bruce R 465-0879
22 Baxter Clark 465-2467
24 Birrell David W ◎ 465-0833
Rear Cavan Ann 465-2318
FAIR ST ENDS
FRUIT ST BEGINS

8

FRUIT ST BEGINS
FAIR ST ENDS
25 Links Lock Shop 462-2532
★Wiggins Richd
27 Johnson Wm W ◎ 465-0630
29 Dosick Susan M 465-8679
Richmond Gary E 465-3599
30 Racioppi Austin P 462-1673
31★Scribner Douglas 465-7892
★Flynn Kathy
32 No Return
33 No Return
34 No Return
35 Douby Serge 465-0024
36 Lysik Eliz M ◎ 462-2985
37 Sykes Virginia F ◎ 462-6343
38★Cooke Shelley 462-7521
39★Seribner Robt M
41★Horton Thos 465-8593
42 Aurslanian Rose E Mrs 462-6555
42½★Glynn Harold 465-7893
TREMONT ST BEGINS
43★O'Connell John R ◎ 465-0305
44 Bascom Wynne B ◎ 462-2253
45 Vacant
46 No Return
47 No Return
48 No Return
48½★Anderson M 462-0126
49 Morrison Geo ◎ 462-7361
50 Deveau Donald P ◎ 462-8571
51 Jackson Eliz K Mrs ◎ 462-2044
Woodworth Todd C ◎ 462-2010
52★St Pierre Susan M 462-4534
53 Keefe Thos H 465-3007
54 Carey Wm M 46-5124
56 Vacant
57 Marshall Albert E 465-9582
58★Souther Kathryn A 465-5893
85 Vacant
58a Ahlquist Jas
FEDERAL ST INTERSECTS
59★Beauchesne M 462-3781
★Silbaugh H 462-0386
60★Donnehy Mary 462-1669
★Gallant David E 462-3517
★Scripture
61 Dockery Anne ◎ 462-7535
62★Burl Gerald F ◎ 46-2777
★Pendergast Janice
63 Marcoux Ellen H 465-9573
64 Cahill Robt E ◎ 462-2226
65 Panas Peter S illustrator 462-4641
66 Webb Michl 465-2778
67 Panas Steph P ◎ 462-2139
68 Bonito Angelo
Corbett Richd
Martin Lucy S Mrs 465-8637
69★Harper Jay 461-1989
70 Vacant
71★Maines Richd ◎ 462-9379
72★Mc Crea A 462-9213
73 Vacant
74 Guyette Randolph B ◎ 465-5577
75 Suprin Alberta L Mrs ◎ 465-8586
76★Kowal Adam 462-1955
77 Vallette Jean G ◎ 465-1876
★Nice Jas G 465-1876
79 Gaovette James L carp ◎ 465-3768

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1987

PROSPECT ST–Contd

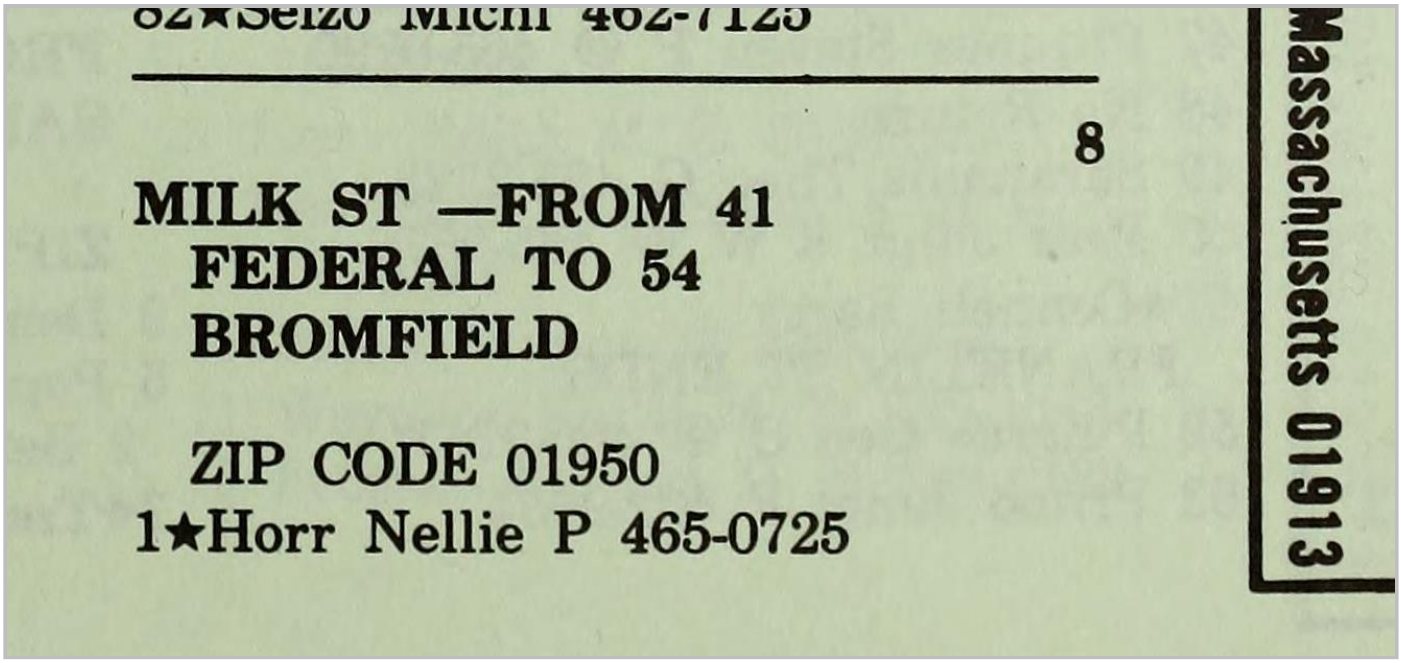
81 Pollard Patricia L Mrs ◎
Pollard Bruce J carp
82★Henderson Michl T 465-0181
★Dinatale Paul 465-8038
83 Vacant
85 Junkins Wm ◎ 462-1394
86★Garvey June 465-5112
87 Junkins Norman W ◎
462-6430
88★Mc Clure Wm M 465-6136
89 No Return
PARSONS ST BEGINS

9

LIME ST INTERSECTS
91★Esile Gina T 462-3632
★Hertz Susan M
★Martin Sylvia V M
92★Abbott J 462-0021
ALLEN ST BEGINS
93★Arend Theo L 462-7598
Commonwealth Club
95 No Return
97 Nochnuk John 462-3597
Bloom Bruce A ◎ 388-0945
98 Advance Mechanical Systems
wldg 465-3612
★Staake Henry 465-8461
100 Vacant
102 Ryan Edward L ◎ 462-6800
103 Martin Henry B ◎ 465-0800
105 Toye Anne ◎
107★Sonner K White mktg conslt
◎ 462-0430
109 Quinlan Paul J ◎ 465-0411
111 Lutton Arth 462-8085
113 Towne Carlena A 462-8067
115 Scourtis Theo R 465-2853
117 Boucher Joseph 462-3367
119★Vaugh D 462-6259
121★Monchun Beverly 465-3708
★Pickard Charles 462-6323
123 No Return
125★Winsor R 465-6904
127★Osmolski Thaddeus 465-1461
129 Gynan Laurie ◎ 465-3538
131 Eaton
★Rampulla Drew 462-4151

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1982



MILK ST 1982

MILK ST—Contd
4 Radcliff John 462-2679
5 Connors Patk L
6 Stanwood Frank E 465-7138
7 Bradbury Francis G 462-7976
8 Burns Richd ◎
9 Florio Patricia 462-4845
★Shepherd Vic
★Peattie Chris
Nixon Michl 462-9975
Donovan Pam
Vacant
10 Frye Steven
13 Donahue Ruth A Mrs ◎ 465-0387
14 Getchell Byron M 462-8692
15 Walsh Steph D 465-2792
16 Ploss Donald B 462-7816
17 Belanger Carmella M Mrs ◎ 465-0135
18 Fairweather Dale Mrs 462-9656
19 Butler Effie M Mrs 465-0135
20★Gulick Cath 462-9798
22★Gitlin Peter L 465-5091
24 Johannesen Phyllis 462-2536
25 Buckley Muriel M Mrs ◎ 465-9454
27 Whitney Donald G 465-3785
28 Guerrera Frank C 465-3612
29 Hawkes Fredk M 465-0541

9

30 Thayer R Bruce 462-8676
31 Brown Andrew P Jr 465-3722
32 Robotnick Steven D 462-3261
33 Vacant
34 Buckley Michl V 462-3775
35 Scott Edw
37★Blanchette Rene
Orr James D ◎ 462-3404
Carey Deborah Mrs
Pauley Kim J 462-3760
38 Vacant
40 Brown Geo W School 462-4372
41 Haverhill Newburyport Human Services 373-1535
43 Dearborn Chester W 465-0679
45 Auger Jerome L ◎ 462-2810
47 Phraner Steven P ◎ 465-0790
48 No Return
49 Sarahanis Theo G 465-2328
50 Pear John R W ◎ 465-0576
51★Connell Barry
FRANKLIN ST ENDS
52 Pingree Geo C ◎ 465-9267
53 Primo Janet P 462-9654
54 Mountain David ◎ 465-5988
55 Foley Eleanor L Mrs ◎ 465-0809
56 Palmiter Judith A Mrs ◎ 462-8376
57 Leigh Mary W ◎ 462-2268
58 Noyes Rupert C ◎ 462-4535
59★Holmes Walter L 465-9164
60 Boyajian Margt Mrs ◎ 465-5142
62 Ducharme Frances C 462-4208
64 No Return
66 No Return
68 No Return

26

MILL ST (AMESBURY)
FROM 40 MAIN

ZIP CODE 01913
1 Vacant
9 Woodburn Deborah
Valerius John E 388-9858
11★Wilson Carl
★Metcalf Wm A
11½★Burrell Albert L
Morrill Raymond J
14½ Polish National Alliance 388-9925
15 Thivierge Eleanor ◎
29 Fowler Geo
Vacant
31 Knapp Theo ◎ 388-2373
56 Reid Foundry Co 388-1200
VALLEY ST ENDS
Merrimac Valley Brass Foundry Co 388-0830

24

MONCRIEF ST (AMESBURY)
FROM FRIEND ST BEY ELIZABETH

ZIP CODE 01913
Anderson Alan L ◎

20

MONROE ST (AMESBURY)
FROM 201 ELM TO SALISBURY LINE

ZIP CODE 01913
3 Demers Walter L ◎ 388-0393
5 Pope Steph 388-2825
2 Bergeron Albert
7★Trembly Betty Mrs

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1982

PRINCE PL—Contd
Romeo Mark-Fine Furniture
462-6175
14 Vacant

14

PROSPECT ST —FROM 85 STATE TO 68 BROMFIELD

ZIP CODE 01950
5 Reda Betty Mrs
Packer H Mrs 465-8797
Dudgeon Jill 462-7056
7 Terzis Alexios N ◎ 462-4096
9 Dow Eliz G Mrs ◎ 465-5048
11 Haley Belle Mrs 462-2086
11½ Angelos Demosthena ◎ 465-9126
14 Desroche Henrietta 465-5719
O'Meara Richd
OTIS PL BEGINS
15 Fitzgerald Gary 462-8055
Zegouros Kristel 462-7067
Zimmerman Robt W 465-7012
16 Olga's Beauty Shop 462-2731
Roche Olga Mrs ◎ 462-2731
17★Fuller L 462-9849
Jarzynka Adam J
★Philbrick Kath 462-4456
19★Griswold Dianna
Rondeau Gisele 465-8090
Seavey Donald Jr
20 Eaton Ruth P Mrs ◎ 462-6969
21 Apartments
1 Raven Roberta
2 Deshais Sybil 462-4846
3 Reeves Thos
22 Vacant
FAIR ST ENDS
24 Hall Chester M ◎ 465-0833

8

FRUIT ST BEGINS
25 Links Lock Shop 462-2532
27 Johnson Wm W ◎ 465-0630
29 Gerhis Sandra Mrs
Markos Geo
30★Myette Wm 465-0165
31★Douglas Beverly J 462-9491
★Willard Russell D 462-8366
32 Trabach Grace E 462-2890
★Cohen Abraham ◎ 462-6006
33 Robinson Howard H ◎
34 Rauschnot J
35 Douby Serge
36 Lysik Eliz M 462-2985
37 Chase Evelyn C Mrs ◎ 465-3834
38 Demars Shelly C 462-7521
39 Madigan Geraldine Mrs 462-6504
41★Fichera Jennie 462-8091
42 Aurslanenian Rose E Mrs 462-6555
42½ Vacant
TREMONT ST BEGINS
43 Gagne Arth V ◎ 465-0305
44 Bascom Wynne ◎ 462-2253
45 Vacant
46 Phelan Patk F ◎ 462-2142
47 Saulnier Benoit R ◎ 462-2187
48 Maliski Ernest A
48½ Michaud Paul 462-8735
49 Morrison Geo ◎ 462-7361
50★Deveau Donald P ◎ 462-8591
51 Jackson Eliz K Mrs ◎ 462-2044
Woodworth Todd C 462-2010
52★Emanuel Ebner C 465-2734
Alexander Dana C
53 Keefe Thos H 465-3007
54 Carey Wm M 462-2700
55 Marshall Donna
56 Manley Christine 462-4048
57 Marshall Albert E 465-9582
58a Brown Gail Mrs 465-3131
58b★O'Brien Joanne
FEDERAL ST INTERSECTS
59 Pearl Leonard 465-2643
★Heywood Cynthia 462-4254
60 Hazard Horace 465-7675
Ardisson Linda J
60a Brown Mary Mrs 465-2036
61 Dockery T Raymond ◎ 462-7535
62 Davis Glenn W
63 Marcoux Joseph 465-9573
64 Cahill Robt E ◎ 462-2226
65 Wescott John L 465-0645
66 Webb Lawrence E ◎ 465-3516
67 Panas Steph P ◎ 462-2139
68 Bonito Angelo
Corbett Richd 462-9232
Martin Lucy S Mrs 465-8637
69 Blunt Samuel I 462-2967
70 Murray Antonette Mrs 465-8232
★Packer Russell H
71 Naumetz Joseph J ◎ 462-2558
72 Valli Barbara Mrs
★Messer Leslie 465-9574
73 Jones Laine M ◎ 465-0467

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1982

PROSPECT ST—Contd

74 Bryant Jefrey S 462-8589
75 Suprin Alberta Mrs ◎ 465-8586
76 No Return
77 Vallette Jean G
79★Gaovette James L 465-3768
81 Pollard Patricia L Mrs ◎
82 Lewis Raymond A ◎ 465-3900
83 Vacant
85 Junkins Wm
86 Smith Robt S Jr
Hussey Sadie E 462-6849
87 Junkins Norman W 462-6430
88 Soehner Gretchen 462-6430
Blanton Cheryl A 462-3784

PARSONS ST BEGINS

LIME ST INTERSECTS

91★Christynia Andrew J

ALLEN ST BEGINS

95 Burgess Geo F ◎ 462-3714
97★Roberts Carrol 462-9458
98 Gandolfo Edw R 462-8151
100 Cook John J
102 Ryan Edward L ◎ 462-6800
103 Martin Henry B ◎ 465-0800
105 De Chellis Paula Mrs 465-3940
107 Vacant
109 Quinlan Paul J ◎ 465-0411
111 Lutton Arth 462-8085
113 Towne Carlena A 462-8067
115 Oakley Thos 462-9970
117 Boucher Joseph
119 Clark Geo W Jr 462-8446
121★Palys Matthew W ◎ 465-8208
124★Hartingstall Evelyn L
125★Krueger Barbara K
127 Nothdurft Susan J 465-5278
129 Gynan Laurie 465-3538
131 Vacant

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1977

MILK ST —FROM 41
FEDERAL TO 54
BROMFIELD

ZIP CODE 01950

1 Bucklin Judith
Hughes Raylene
4 Radcliff John 462-2679
5★Pelletier Stephen
6 Stanwood Frank E 465-7138
7 Bradbury Francis G 465-0176
8 Burns Richd ◎
9 Vacant
★Danilecki Louise
★Price J
★Smithson Peter C
★Ullom Kathy A 462-4836
10 Vacant
11★Walshin Donald M 465-6176
Kelley Karen J 462-0934
12 Vacant
13 Donahue Ruth A Mrs ◎
465-0387
14 Vacant
15 Kozec John J ◎ 462-2258
16 Vacant
17 Belanger Roland L ◎
19 Butler Effie M Mrs 465-0135
20★Gayette James 465-7005
22★Corvinus Nicholas 462-7895
24 Hall David L Jr ◎ 462-7884
25 Buckley Thos H ◎ 465-9454
27 Fairweather Jean Mrs 465-3785
28 Vacant
29 Hawkes Fredk M 465-0541

9

30 No Return
31 Brown Andrew P Jr 465-3722

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1977

MILK ST—Contd
32 Goddard Donald 465-5250
33 Vacant
Schacht Peter C 462-9370
34 Mac Hugh Jean ◎ 462-9505
35★Del Vecchio Gene
37★Hanafin Nancy
★Wildason Maria
★Ardisson Linda J 465-3012
★Chasm David
38 Vacant
40 Brown Geo W School 462-4372
41 Community Resident For Handicapped Adults 462-9509
Pollard Michl
43 Dearborn Chester W 465-0679
45 Auger Jerome L ◎ 462-2810
47 Bayko Walter J ◎ 465-0790
48★Frake B 465-5091
49 La Valley Wm
50 Pear John R W ◎ 465-0576
51 Tobin Juanita A Mrs
FRANKLIN ST ENDS
52 Pingree Geo C ◎ 465-9267
53 Vacant
54 Mc Cullough Pearl K Mrs ◎ 465-7126
55 Foley Eleanor L Mrs ◎ 465-0809
56 Vacant
57 Leigh Mary W piano tchr ◎ 462-2268
58 Noyes Rupert C ◎ 462-4535
59 No Return
60 Boyajian Margt Mrs ◎ 465-5142
62 Cote Mary R 462-4828
64★Whitten Bruce G silversmith 465-5492
★Langsam Nancy R 462-2831
66 Vacant
68 Elwell Fredk J ◎ 465-8424

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1977

PROSPECT ST —FROM 85 STATE TO 68 BROMFIELD

ZIP CODE 01950

5 Bourque Raymond

5½ Cushmere Kath
Makar Steven R 462-7824

7 Terzis Alexios N ◎ 462-4096

9 Dow Eliz G Mrs ◎ 465-5048

11★Haley Belle Mrs 462-2086

11½ Angelos Demosthena ◎ 465-9126

14 Deoroche Henrietta 465-5719
Vacant
Chambers Dennis K 462-8906

OTIS PL BEGINS

15★Mc Intire Helen A 465-5847
★Boucher Mark 462-2186
Vacant

16 Olga's Beauty Shop 462-2731
Roche Olga Mrs 462-2731

17 Waye Raymond 462-7485
Jarzynka Adam J
Vacant

19 Merrill Martha R 465-7019
Sampson Kirk
Scibona John R
Wilkins

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1977

PROSPECT ST—Contd
20 Eaton Ruth P Mrs ◎ 462-6969
21★Matheson Susan
★Deshais Sybil 462-4846
★Ellison Jean Mrs
22 Mc Candless Thos E ◎ 462-8788
FAIR ST ENDS
24 Hall Chester M elec contr ◎ 465-0833
Hartingstall Clifford 462-7786

8

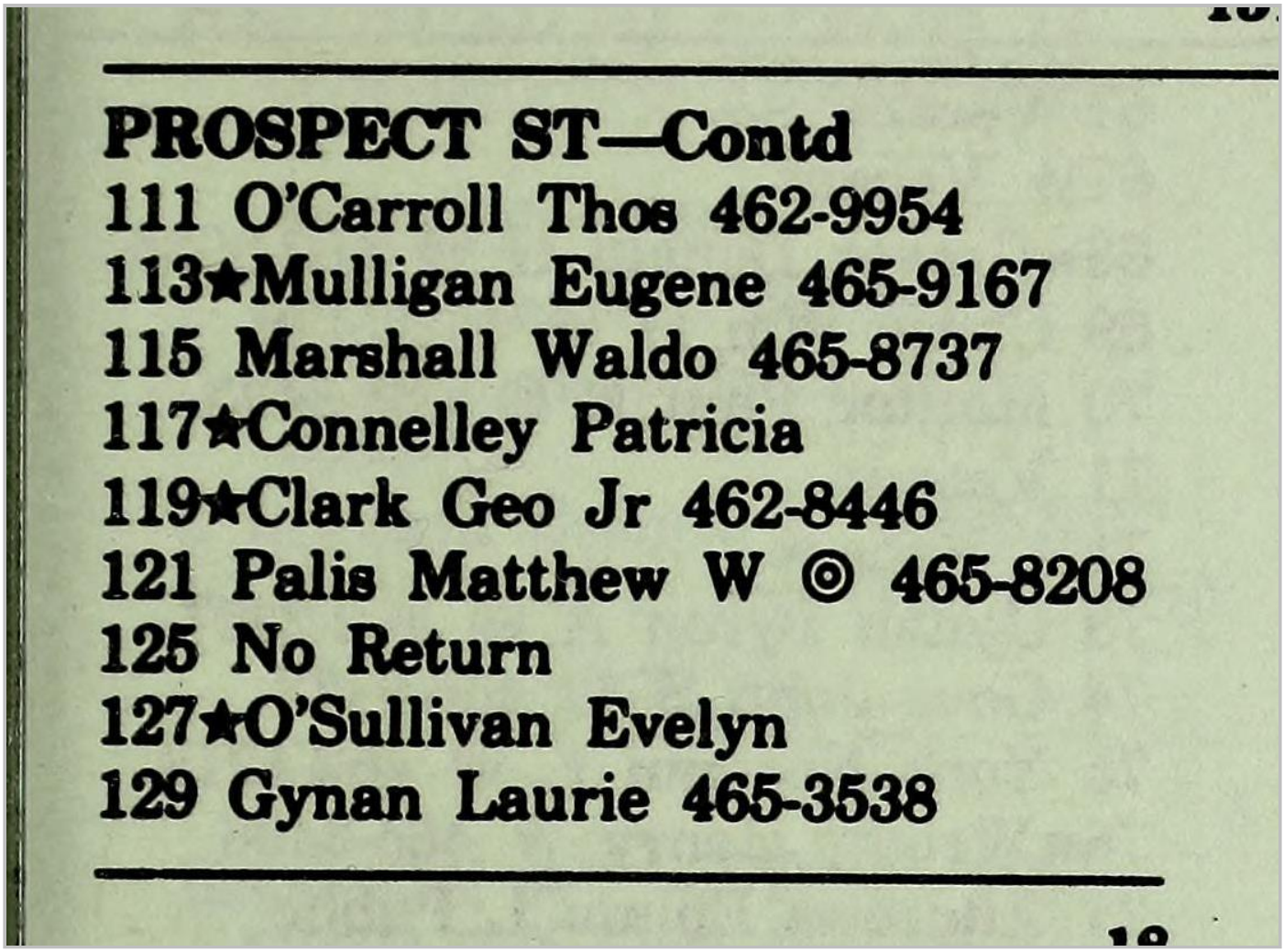
FRUIT ST BEGINS
25 Links Lock Shop 462-2532
27 Johnson Wm W 465-0630
29★Souther Mona
Cuneen Nancy M Mrs 465-5191
30 Cohen Abraham 462-6006
31★Hoghton Johnnie
★Donahue Susanne 462-9869
32 Trabach Grace E 462-2890
Myette Wm 465-0165
33 Eaton Charles C ◎ 465-5772
34 Swindell Mary E 465-3053
35★Douby Serge 465-0024
36 Lysik John S 462-2985
37 Chase Evelyn C Mrs ◎ 465-3834
38 Knight David 465-5134
39★Chase James 462-8288
41★Barr Carol 462-3429
42 No Return
42½ Brogan June 462-2752
TREMONT ST BEGINS
43 Gagne Arth V ◎ 465-0305
44 Holmes Oliver E ◎ 462-2253
45 Vacant
46 Phelan Patk F ◎ 462-2142
47★Saulnier Benoit ◎ 462-2187
48 Vacant
48½ Howard Martha A 462-2417
49★Morrison Geo 462-7361
50★Reynolds Mary ◎ 465-0874
51 Jackson Aldworth C ◎ 462-2044
Woodworth Todd C 462-2010
52★Mac Kenzie Douglas K 462-8817
Alexander Dana C
53 Vacant
54 Kimber Edw W 462-9650
55★Marshall Donna
56 Lattime Frank 462-2295
57 Marshall Albert E 465-9582
58a Dickerman Kathy 465-8221
58b★Cohen Jane Mrs 465-0945
FEDERAL ST INTERSECTS
59 Heywood Cynthia 462-4254
Ellery Bertie
60★Hazard Horace
★Brennan Leland
60a Vacant
61 Dockery Eliz F ◎ 462-7535
62 Vacant
63 Marcoux Joseph 465-9573
64 Cahill Robt E ◎ 462-2226
65 Wescott John 465-0645
66 Webb Ruth A Mrs ◎ 465-3516
67 Panas Steph P ◎ 462-2139
68 Bonito Angelo
Lowther Sharon
No Return
69 Blunt E Alice Mrs 462-2967
70★Murray Antonette Mrs 465-8232
★Mooers Leone D Mrs 462-6092
71 Naumetz Joseph J ◎ 462-2558
72 Vacant
Gauthier
73 Kirby Theo J ◎ 462-9088
74 Bryant Kathleen
75 Suprin Alberta Mrs ◎ 465-8586
76 Landers Grace L ◎ 462-7450
77 Vallette Jean
79 Vacant
81 Pollard Patricia L Mrs ◎
83 Vacant
85 Junkins Wm
86 Fink Terri L
★Hussey Sadie E 462-6849
Junkins David E
87 Junkins Norman 462-7297
88 Vacant
Vacant
89 Vacant
PARSONS ST BEGINS

9

LIME ST INTERSECTS
91 Vacant
92 Regan John J ◎ 465-0888
ALLEN ST BEGINS
95★O'Byron Michl S ◎ 462-6613
98★Jacwinski Ron 465-0046
100 Vacant
102 Ryan Edward L ◎ 462-6800
103 Martin Henry B ◎ 465-0800
105★O'Connor Timothy 465-7842
107★Sonnabend Jill 465-7283
109 Quinlan Paul J ◎ 465-0411

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1977



PROSPECT ST—Contd
111 O'Carroll Thos 462-9954
113★Mulligan Eugene 465-9167
115 Marshall Waldo 465-8737
117★Connelley Patricia
119★Clark Geo Jr 462-8446
121 Palis Matthew W ◎ 465-8208
125 No Return
127★O'Sullivan Evelyn
129 Gynan Laurie 465-3538

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1973

8

MILK ST —FROM 41
FEDERAL TO 54
BROMFIELD

ZIP CODE 01950

1 ★ Tilbe Alberta Mrs 462-7318
★ Rogers Ronald 465-7003
4 Radcliff John 462-2679
5 ★ Tighe Susan Mrs
6 ★ Stanwood Frank 465-7138
7 ★ Collins Michl 462-9060
8 Burns Richd ◎
9 Brown Percy N 465-8411
★ Pitche Carol
10 Vacant
11 ★ Usry Ronald
★ Scott Eric
12 Herbert Philip D ◎ 465-0647
13 Donahue Edw H ◎ 465-0387
14 Vacant
15 Kozec John J ◎ 462-2258
16 Hanson Fred A Jr ◎ 462-6243
17 Belanger Roland L ◎
19 Butler Effie M Mrs 465-0135
20 Richey Carleton N ◎ 465-0320
22 Vacant
24 Vacant
Rear Vacant
25 Buckley Thos H ◎ 465-9454
26 Vacant
27 Fairweather Jean Mrs 465-3785
28 ★ Adams Kenneth J 465-5535
29 Hawkes Fredk M 465-0541

9

30 Vacant
31 ★ Hanson Osee Mrs
32 Vacant
33 No Return
34 Vacant
35 Glynn Harold V Jr 465-7893
36 No Return
37 Beckman Royce J 465-5615
Zdanowicz Mary Mrs ◎
Roaf Lillian Mrs
Cunningham Alan W 465-8827
Vacant
Baxter Viola M
40 Brown Geo W School 462-4372
41 Schrempf Lewis E ◎ 465-9304
43 Vacant

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1973

45 Auger Jerome L ◎ 462-2810
47 Bayko Walter J ◎ 465-0790
48 Eaton Gertrude Mrs 462-2778
49 Olson Norman R 462-7359
50 Hall Thos R ◎ 462-7669
51 Alderman Juanita Mrs
FRANKLIN ST ENDS
52 ★ Pingree Geo C ◎
53 ★ Foley Minnie Mrs
54 Mc Cullough Pearl K Mrs ◎
465-7126
55 Foley Eleanor L Mrs ◎
465-0809
56 Collins Agnes C ◎ 462-4243
57 Leigh Mary W piano tchr ◎
462-2268
58 Noyes Rupert C ◎ 462-4535
59 ★ Durgin Carol Mrs
60 Boyajian Margt Mrs ◎
465-5142
62 Cole Helen G 465-0068
64 ★ Bowen Lena S Mrs
66 Collins Aug
★ L Italian Esther Mrs
68 Elwell Fredk J ◎ 465-8424

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1973

PROSPECT ST —FROM 85 STATE TO 68 BROMFIELD

ZIP CODE 01950

5 Vacant
Brockelbank Edw H 462-2855
5½ ★Zahos Artemis
7 Terzis Alexios N ◎ 462-4096
9 Dow Carrol E ◎
11 Dennis Herbert 465-8733
11½ Angelds Demosthena ◎ 465-9126
14 ★Mac Kenzie Douglas 462-8817
★Gadd Peter 465-0601

OTIS PL BEGINS

15 Vacant
★Duhamel Antonia
★Levins Jeffrey R
16 Olga's Beauty Shop 462-2731
Roche John D 462-2731
17 Minahan Thelma A Mrs 462-6254
★Farzynka Adam J
Vacant
19 Robb Ethel Mrs 465-3494
★Cahill Mary Lou
★Bourgoin John
20 Eaton Ruth P Mrs ◎ 462-6969
21 Plouff Marie A Mrs 462-4880
22 ★Mc Candless Thos E ◎ 462-8788

FAIR ST ENDS

24 Hall Chester M elec contr ◎ 465-0833
★Hartingstall Clifford 462-7786

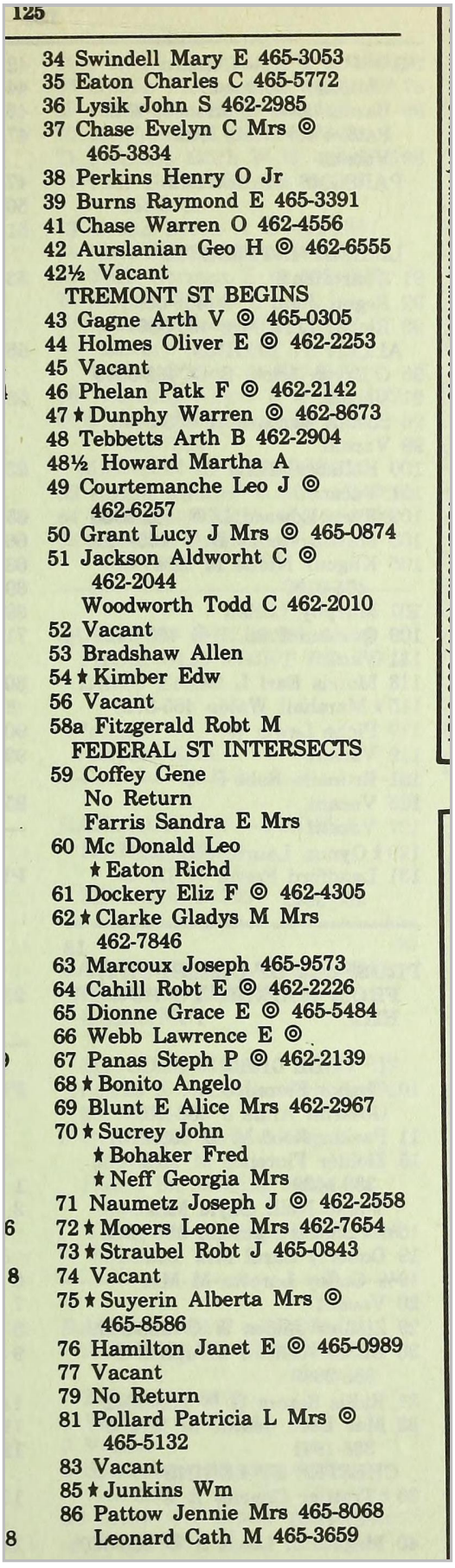
8

FRUIT ST BEGINS

25 Links Lock Shop 462-2532
27 No Return
29 ★Gallant Thos 465-7876
★Gay Theo
30 Cohen Abraham 462-6006
31 Burkett Shirley Mrs
★Bingham Judith Mrs
32 Trabach Grace E 462-2890
★Myette Wm
33 ★Dixon Peggie Mrs ◎ 462-7598

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1973

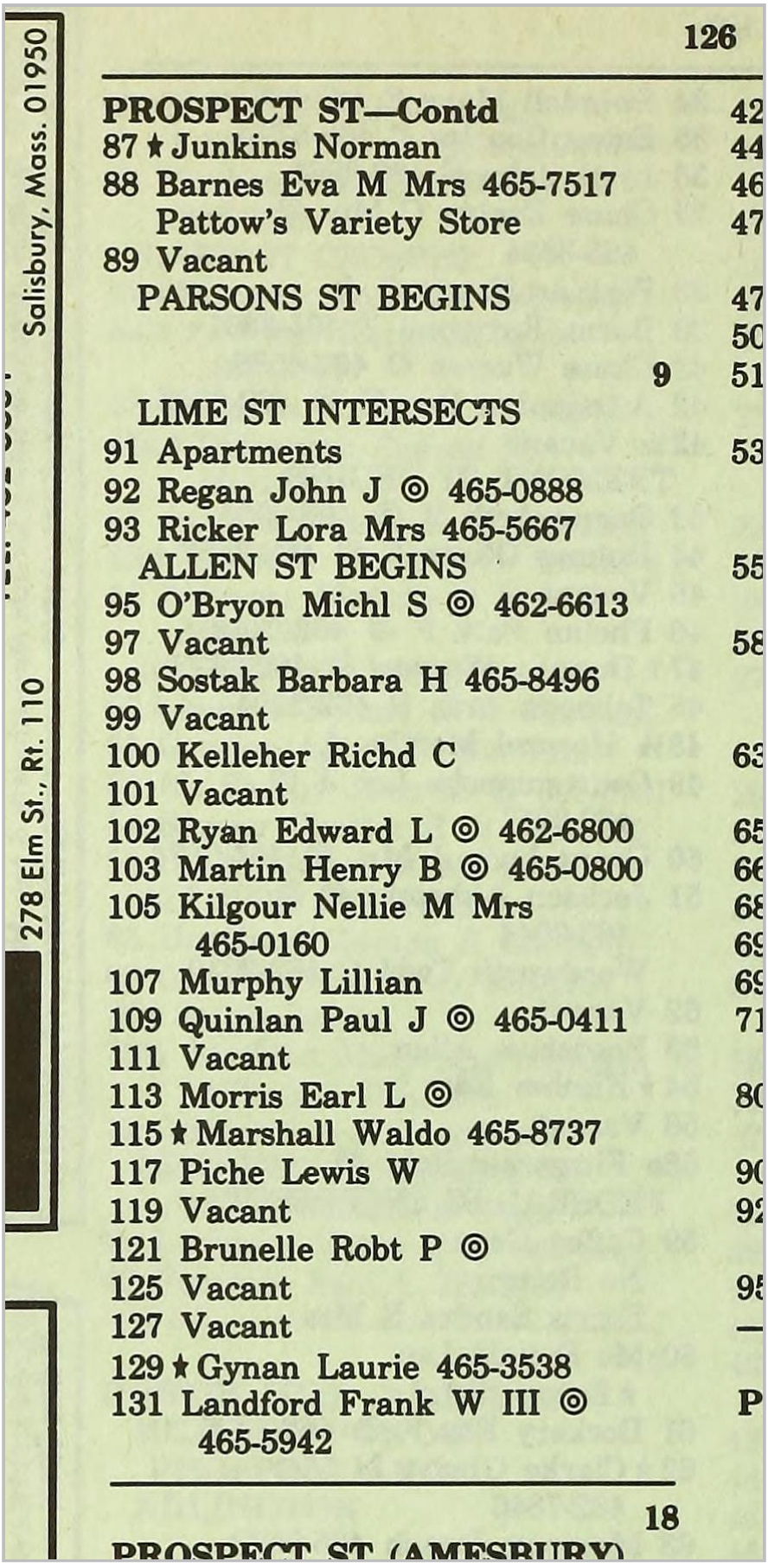


125

34 Swindell Mary E 465-3053
35 Eaton Charles C 465-5772
36 Lysik John S 462-2985
37 Chase Evelyn C Mrs ◎ 465-3834
38 Perkins Henry O Jr
39 Burns Raymond E 465-3391
41 Chase Warren O 462-4556
42 Aurslanian Geo H ◎ 462-6555
42½ Vacant
TREMONT ST BEGINS
43 Gagne Arth V ◎ 465-0305
44 Holmes Oliver E ◎ 462-2253
45 Vacant
46 Phelan Patk F ◎ 462-2142
47 ★ Dunphy Warren ◎ 462-8673
48 Tebbetts Arth B 462-2904
48½ Howard Martha A
49 Courtemanche Leo J ◎ 462-6257
50 Grant Lucy J Mrs ◎ 465-0874
51 Jackson Aldworht C ◎ 462-2044
Woodworth Todd C 462-2010
52 Vacant
53 Bradshaw Allen
54 ★ Kimber Edw
56 Vacant
58a Fitzgerald Robt M
FEDERAL ST INTERSECTS
59 Coffey Gene
No Return
Farris Sandra E Mrs
60 Mc Donald Leo
★ Eaton Richd
61 Dockery Eliz F ◎ 462-4305
62 ★ Clarke Gladys M Mrs 462-7846
63 Marcoux Joseph 465-9573
64 Cahill Robt E ◎ 462-2226
65 Dionne Grace E ◎ 465-5484
66 Webb Lawrence E ◎
67 Panas Steph P ◎ 462-2139
68 ★ Bonito Angelo
69 Blunt E Alice Mrs 462-2967
70 ★ Sucrey John
★ Bohaker Fred
★ Neff Georgia Mrs
71 Naumetz Joseph J ◎ 462-2558
72 ★ Mooers Leone Mrs 462-7654
73 ★ Straubel Robt J 465-0843
74 Vacant
75 ★ Suyerin Alberta Mrs ◎ 465-8586
76 Hamilton Janet E ◎ 465-0989
77 Vacant
79 No Return
81 Pollard Patricia L Mrs ◎ 465-5132
83 Vacant
85 ★ Junkins Wm
86 Pattow Jennie Mrs 465-8068
Leonard Cath M 465-3659

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1973



PROSPECT ST—Contd 42
87 ★ Junkins Norman 44
88 Barnes Eva M Mrs 465-7517 46
Pattow's Variety Store 47
89 Vacant
PARSONS ST BEGINS 47
50
9 51
LIME ST INTERSECTS
91 Apartments 53
92 Regan John J ◎ 465-0888
93 Ricker Lora Mrs 465-5667
ALLEN ST BEGINS 55
95 O'Bryon Michl S ◎ 462-6613
97 Vacant 58
98 Sostak Barbara H 465-8496
99 Vacant
100 Kelleher Richd C 63
101 Vacant
102 Ryan Edward L ◎ 462-6800 65
103 Martin Henry B ◎ 465-0800 66
105 Kilgour Nellie M Mrs 68
465-0160 69
107 Murphy Lillian 69
109 Quinlan Paul J ◎ 465-0411 71
111 Vacant
113 Morris Earl L ◎ 80
115 ★ Marshall Waldo 465-8737
117 Piche Lewis W 90
119 Vacant 92
121 Brunelle Robt P ◎
125 Vacant 95
127 Vacant —
129 ★ Gynan Laurie 465-3538
131 Landford Frank W III ◎ P
465-5942

18

PROSPECT ST (AMESBURY)

278 Elm St., Rt. 110 Salisbury, Mass. 01950

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1968

15

MILK ST -FROM 41 FEDERAL
TO 54 BROMFIELD

---ZIP CODE 01950
1 VACANT
4 RADCLIFF JOHN ● 462-2679
5 KENT MARLYN J MRS
6 GREENWOOD WM H 465-3506
7 MERRILL WM R 465-7492
8 NOYLES MARY E MRS ●
462-4242
9 HULL JEFFREY F 465-3640
POULIN VALEDA 462-2419
TERRY EMERY W 465-3206
PEARSON HERBERT A
462-6453
10 CARENS RUTH M ●
11 WELLS LILLIAN MRS
462-6983
BRAGG HELEN
12 HERBERT PHILIP D ●
465-0647
VACANT
13 DONAHUE EDW H ●
465-0387
15 KOZEC JOHN J 462-2258
16 HANSON FRED A JR ●
462-6243
17 BELANGER ROLAND L
19 BUTLER EFFIE M 465-0135
20 RICHEY CARLETON N ●
462-6210

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1968

MILK ST—Contd

22 VACANT
WELSH DAVID
24 HOAR GEO P
REEVES THOS W 465-0249
25 BUCKLEY THOS H ●
465-9454
26 TEAGUE HAROLD
27 FAIRWEATHER RICHD F
465-3785
28 VACANT
VACANT
29 HAWKES FREDK M 465-0541

9

30 VACANT
VACANT
31 PHILLIPS BESSIE G MRS
32 LAPLANTE WM J JR
33 WADDELL ROLAND M ●
465-8379
34 LAPLANTE WM J
35 GLYNN HAROLD V JR
465-7893
36 ADAMS KENNETH J
465-5535
37 BECKMAN ROYCE J
465-5615
ZDANOWICZ BORIS ●
ROAF LILLIAN MRS
462-4979
KIMAN MARY MRS
O'BARA STACIA R
BAXTER VIOLA M
39 VACANT
40 BROWN GEO W SCHOOL
462-4372
41 SCHREMPF LEWIS E ●
465-9304
43 DEARBORN CHESTER M ●
465-0679
45 AUGER JEROME L ●
462-2810
47 BAYKO WALTER J ●
465-0790
48 HALEY THOS E ● 465-0966
49 VACANT
50 DESPRES NORMAN J
462-2630
51 MORGAN ANNA H MRS ●
465-7555
---FRANKLIN ST ENDS
52 HOUGHTON VIRGINIA ●
53 FOLEY MINNIE J MRS ●
54 MC CULLOUGH PEARL K MRS
● 465-7126
55 FOLEY ELEANOR L MRS
465-0809
56 COLLINS AGNES C ●
462-4243
57 LEIGH MARY W PIANO TCHR
● 462-2268
58 NOYES RUPERT C ●
462-4535
59 EMERY WM
60 BOYAJIAN MARGT MRS ●
465-5142
DUGGAN ESTES
64 HOOR GEO
VACANT
66 VACANT
68 SAUCCO ROGER A ●
462-4325

MILL ST (AMESBURY)-FRO
MAIN

---ZIP CODE 01913
1 CONTINENTAL CAFE
388-9918
9 ZIGALO SONYA S
9½ VACANT
11 JUTRAS ROSANNA MRS
388-1201
11½ VACANT,
WILLIAM MARY FURN
ROOMS ● 388-2794
14½ POLISH NATIONAL
ALLIANCE THEO KNA
MGR 388-9925
15 THIVIERGE LEONA MRS
29 FOWLER GEO
HUSSEY NORMAN R
31 KNAPP THEO ● 388-23
56 REID FOUNDRY CO
388-1200
---VALLEY ST ENDS
84 LAPRE NOE ● 388-086
MERRIMAC VALLEY BRASS
FOUNDRY CO 388-0830

MONCRIEF ST
(AMESBURY)-FROM LION
MOUTH RD BEY ELIZABE

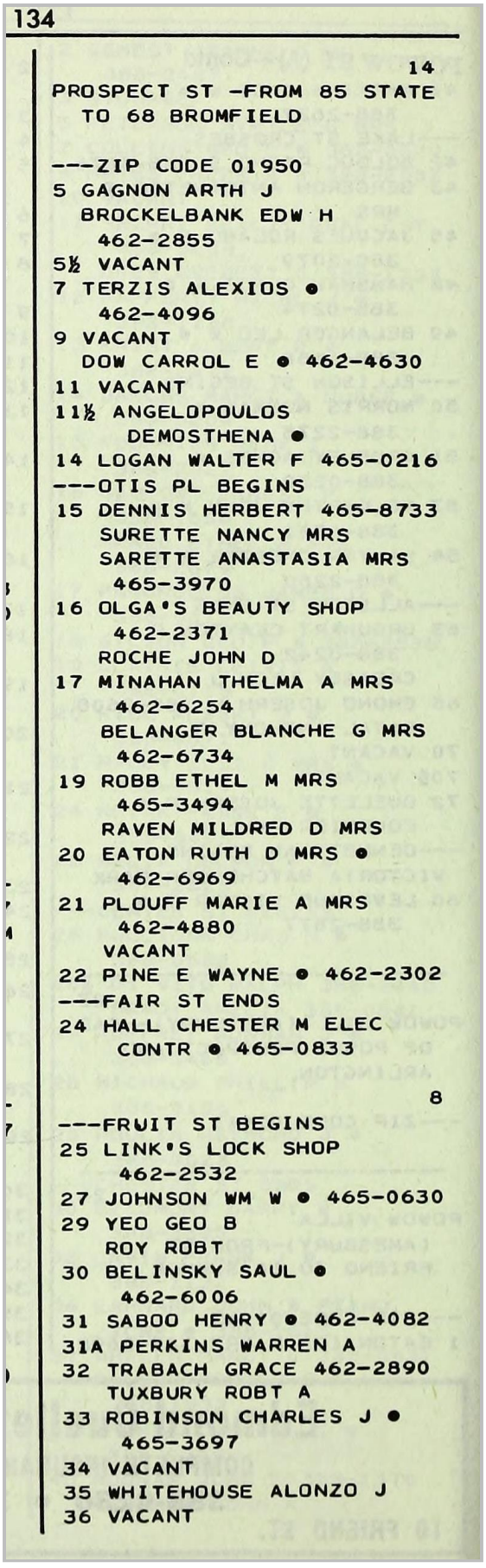
---ZIP CODE 01913
GARDNER ELGAR B ●
388-0028
VACANT

MONROE ST (AMESBURY)-
201 ELM TO SALISBUR
LINE

---ZIP CODE 01913
3 OUELLET MAURICE J ●
388-0393
5 MASSEY DENNIS G 388
7 HASTINGS ALBERT R
388-2509
9 SANDS FRANCIS H ●
388-0433
9½ SANDS MARION J MRS
10 GOUCHER LAWRENCE F
388-3194
11 FARO JOSEPH E ●
388-2131
13 BERTOLINI BATTISTA
368-1634

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1968



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14

PROSPECT ST -FROM 85 STATE
TO 68 BROMFIELD

---ZIP CODE 01950
5 GAGNON ARTH J
BROCKELBANK EDW H
462-2855
5½ VACANT
7 TERZIS ALEXIOS ●
462-4096
9 VACANT
DOW CARROL E ● 462-4630
11 VACANT
11½ ANGELOPOULOS
DEMOSTHENA ●
14 LOGAN WALTER F 465-0216
---OTIS PL BEGINS
15 DENNIS HERBERT 465-8733
SURETTE NANCY MRS
SARETTE ANASTASIA MRS
465-3970
16 OLGA'S BEAUTY SHOP
462-2371
ROCHE JOHN D
17 MINAHAN THELMA A MRS
462-6254
BELANGER BLANCHE G MRS
462-6734
19 ROBB ETHEL M MRS
465-3494
RAVEN MILDRED D MRS
20 EATON RUTH D MRS ●
462-6969
21 PLOUFF MARIE A MRS
462-4880
VACANT
22 PINE E WAYNE ● 462-2302
---FAIR ST ENDS
24 HALL CHESTER M ELEC
CONTR ● 465-0833

8

---FRUIT ST BEGINS
25 LINK'S LOCK SHOP
462-2532
27 JOHNSON WM W ● 465-0630
29 YEO GEO B
ROY ROBT
30 BELINSKY SAUL ●
462-6006
31 SABOO HENRY ● 462-4082
31A PERKINS WARREN A
32 TRABACH GRACE 462-2890
TUXBURY ROBT A
33 ROBINSON CHARLES J ●
465-3697
34 VACANT
35 WHITEHOUSE ALONZO J
36 VACANT

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1968

PROSPECT ST–Contd

37 CHASE EVELYN C MRS ●
465-0326
REAR VACANT
38 JANVIN RONALD M
39 VACANT
41 CHASE WARREN O 462-4556
42 AURSLANIAN GEO H ●
462-6555
42½ VACANT
---TREMONT ST BEGINS
43 GAGNE ARTH J ● 465-0305
44 HOLMES OLIVER E ●
462-2253
45 KEMPTON ELLA M MRS
465-0298
46 PHELAN FRANCIS P ●
462-2142
47 BROWN GUY D ● 465-7875
48 RUSSELL CHARLES
48½ HOWARD MARTHA A
465-0939
49 COURTEMANCHE LEO ●
462-6257
50 GRANT LUCY J MRS ●
465-0874
51 JACKSON ALDWORTH C ●
462-2044
WOODWORTH TODD C
462-2010
53 BRADSHAW ALLEN
54 MARKOS GEO A
56 NO RETURN
57 MARSHALL ALBERT ●
465-9582
58 MARCOUX JOSEPH U
465-9573
MCLANE CHARLES A
465-7932

15

---FEDERAL ST INTERSECTS
59 HARVEY JOSEPH M
60 MERRILL ERNEST G
465-9367
61 DOCKERY ELIZ F ●
462-4305
62 FOWLER NORWOOD
63 DOCKERY JOHN S
64 CAHILL ROBT E ●
462-2226
65 DIONNE GRACE D 465-5484
66 WEBB LAWRENCE E ●
67 PANES STEPH P ●
462-2139
68 VACANT
69 BLUNT ALICE 462-2967
70 MOREY MATILDA M MRS ●
465-8373
71 NAUMETZ JOSEPH J ●
462-2558
72 WATSON ETHEL M
73 JENKINS JESSIE L ●
462-4682
74 HAMILTON JANET ●
465-0989
75 BEANE LOUISE E ●
462-2022
76 MC DONALD THOS W ●
462-4728
77 MEARS DAVID E 465-0101
79 GWINN MABEL E 465-9176
81 POLLARD CHARLES A ●
82 BRACKETT RAYMOND E ●
BROWN RAYMOND F
83 REARDON'S MARKET
462-6571
84 VACANT
85 CREASY POLLY MRS
465-5082
86 PATTOW ROBT H ●
465-7800
LEONARD CATH M 465-3659
87 BROWN REGINALD P
465-3745
88 BARNES EVA M MRS
465-7517
90 PATTOW'S VARIETY STORE
---PARSONS ST BEGINS

9

---LIME ST INTERSECTS
91 APARTMENTS
1 VACANT
2 DUBOIS NORMA M
3 VERMETTE MILDRED MRS
4 BELLANGER WM
5 ROGERS LEON
6 VACANT
92 VACANT
93 WALTON RALPH W 465-5889
---ALLEN ST BEGINS
95 AVEDISIAN OSGEY MRS ●
462-4345
97 BURNS LAURA M 465-3391
101 VACANT
102 RYAN EDWARD L ●
462-6800
98 SOSTAK STANLEY M ●
99 VACANT
100 WOOD RICHD 465-8489
103 MARTIN HENRY B ●
465-0800
105 KILGOUR FRANCIS B
465-0160
107 MURPHY JAMES C
109 QUINLAN PAUL J ●
465-0411
111 VACANT

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

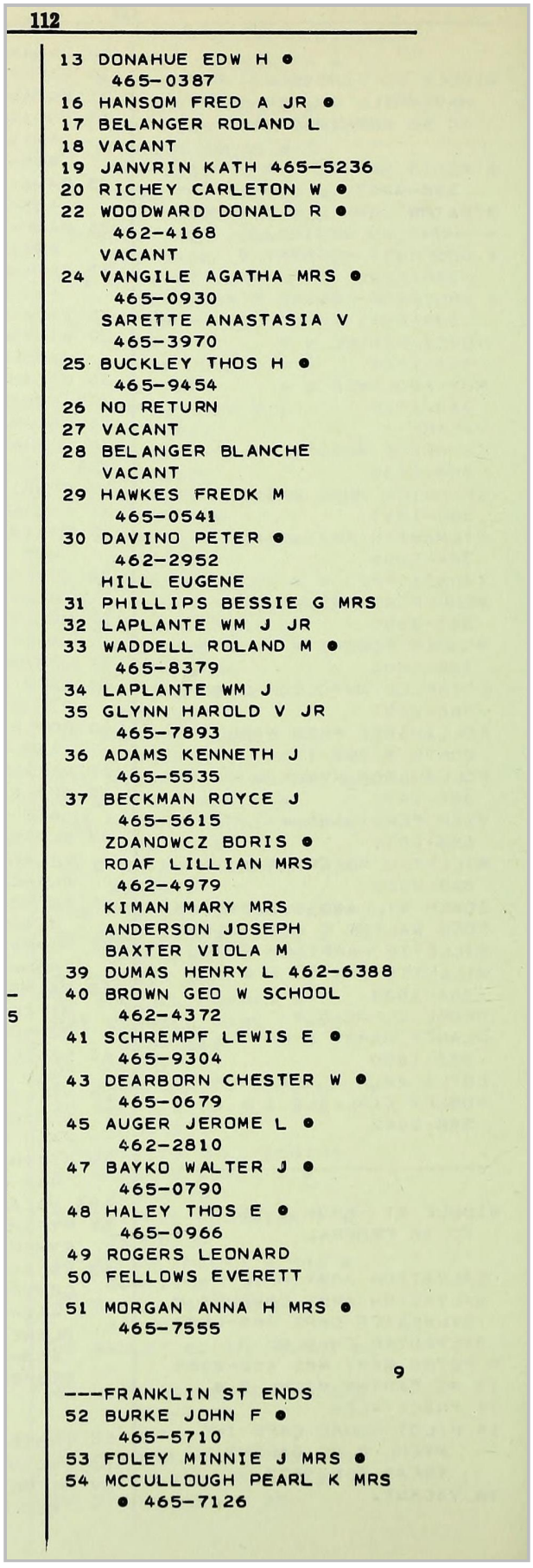
MILK ST 1965

MILK ST -FROM 41 FEDERAL
TO 54 BROMFIELD

1 VACANT
4 BENWARE ARTH I ●
465-3972
5 PELM JAMES C 465-9682
6 GREENWOOD WM H 465-3506
7 VACANT
8 NOYLES MARY E MRS ●
462-4242
9 HUDSON ARTH H ●
465-3443
POULIN VALEDA 462-2419
TERRY EMERY W 465-3206
VANGILE SIMON 462-2093
10 CARENS RUTH M ●
11 WELLS LILLIAN MRS
462-6983
BRAGG HELEN
12 HERBERT PHILIP D ●
465-0647
MC DONALD IRENE

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1965



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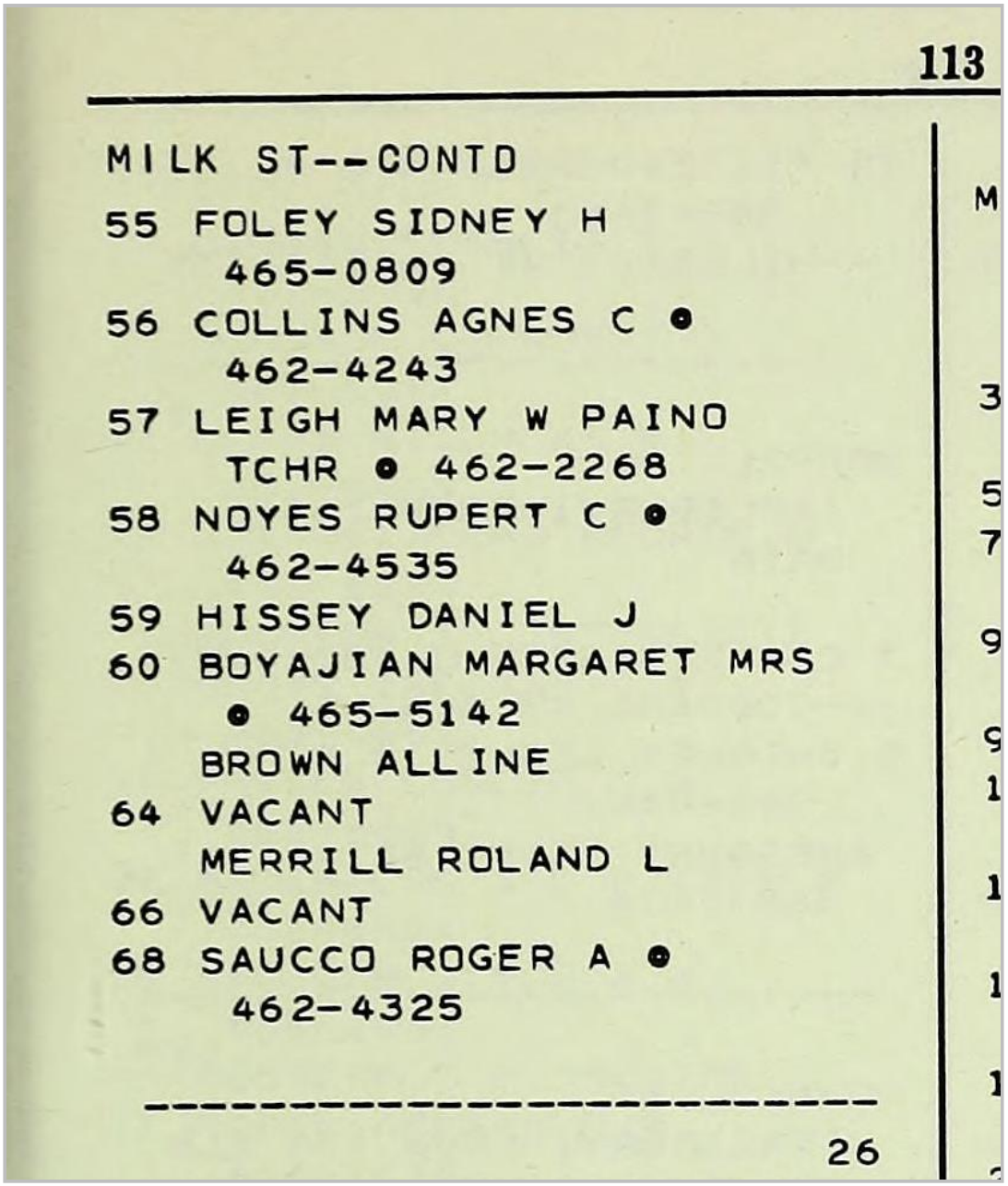
13 DONAHUE EDW H ●
465-0387
16 HANSOM FRED A JR ●
17 BELANGER ROLAND L
18 VACANT
19 JANVRIN KATH 465-5236
20 RICHEY CARLETON W ●
22 WOODWARD DONALD R ●
462-4168
VACANT
24 VANGILE AGATHA MRS ●
465-0930
SARETTE ANASTASIA V
465-3970
25 BUCKLEY THOS H ●
465-9454
26 NO RETURN
27 VACANT
28 BELANGER BLANCHE
VACANT
29 HAWKES FREDK M
465-0541
30 DAVINO PETER ●
462-2952
HILL EUGENE
31 PHILLIPS BESSIE G MRS
32 LAPLANTE WM J JR
33 WADDELL ROLAND M ●
465-8379
34 LAPLANTE WM J
35 GLYNN HAROLD V JR
465-7893
36 ADAMS KENNETH J
465-5535
37 BECKMAN ROYCE J
465-5615
ZDANOWCZ BORIS ●
ROAF LILLIAN MRS
462-4979
KIMAN MARY MRS
ANDERSON JOSEPH
BAXTER VIOLA M
39 DUMAS HENRY L 462-6388
40 BROWN GEO W SCHOOL
462-4372
41 SCHREMPF LEWIS E ●
465-9304
43 DEARBORN CHESTER W ●
465-0679
45 AUGER JEROME L ●
462-2810
47 BAYKO WALTER J ●
465-0790
48 HALEY THOS E ●
465-0966
49 ROGERS LEONARD
50 FELLOWS EVERETT
51 MORGAN ANNA H MRS ●
465-7555

9

---FRANKLIN ST ENDS
52 BURKE JOHN F ●
465-5710
53 FOLEY MINNIE J MRS ●
54 MCCULLOUGH PEARL K MRS
● 465-7126

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1965



MILK ST--CONTD

55 FOLEY SIDNEY H
465-0809

56 COLLINS AGNES C ●
462-4243

57 LEIGH MARY W PAINO
TCHR ● 462-2268

58 NOYES RUPERT C ●
462-4535

59 HISSEY DANIEL J

60 BOYAJIAN MARGARET MRS
● 465-5142

BROWN ALLINE

64 VACANT

MERRILL ROLAND L

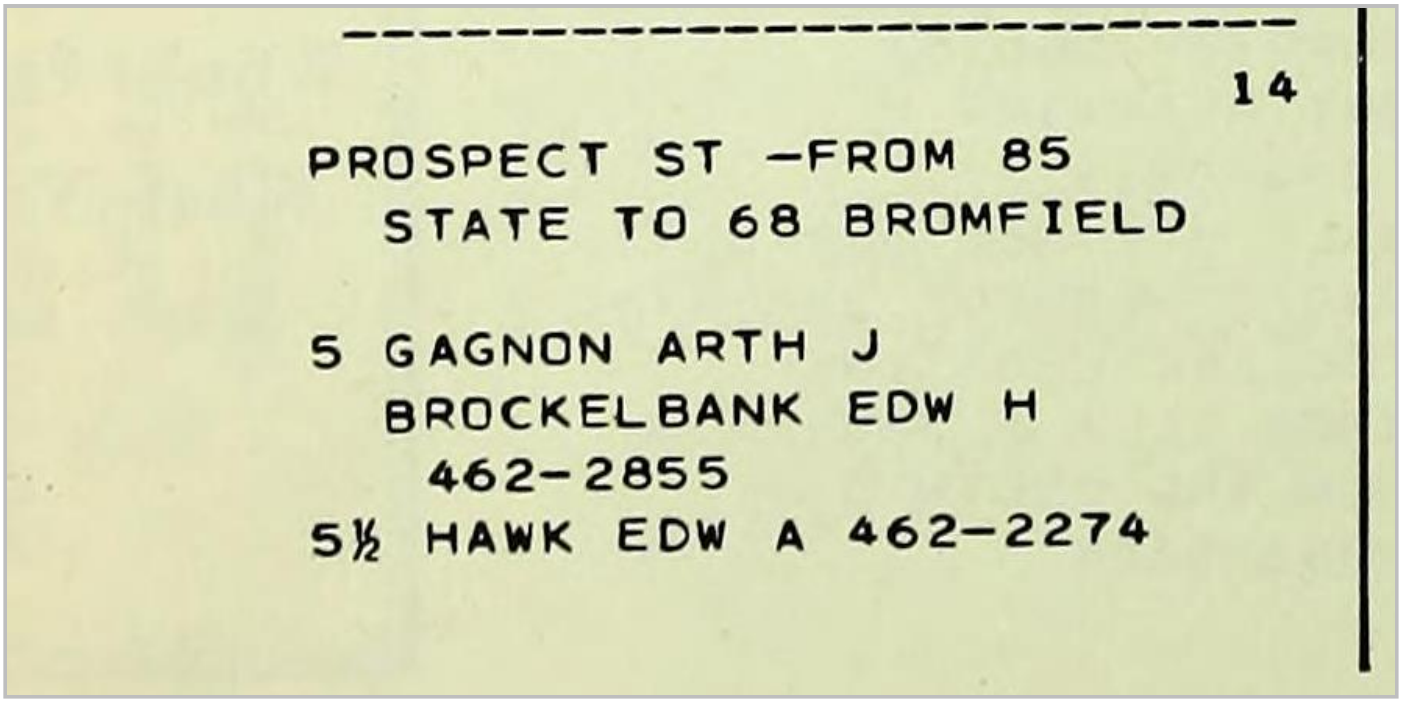
66 VACANT

68 SAUCCO ROGER A ●
462-4325

26

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1965



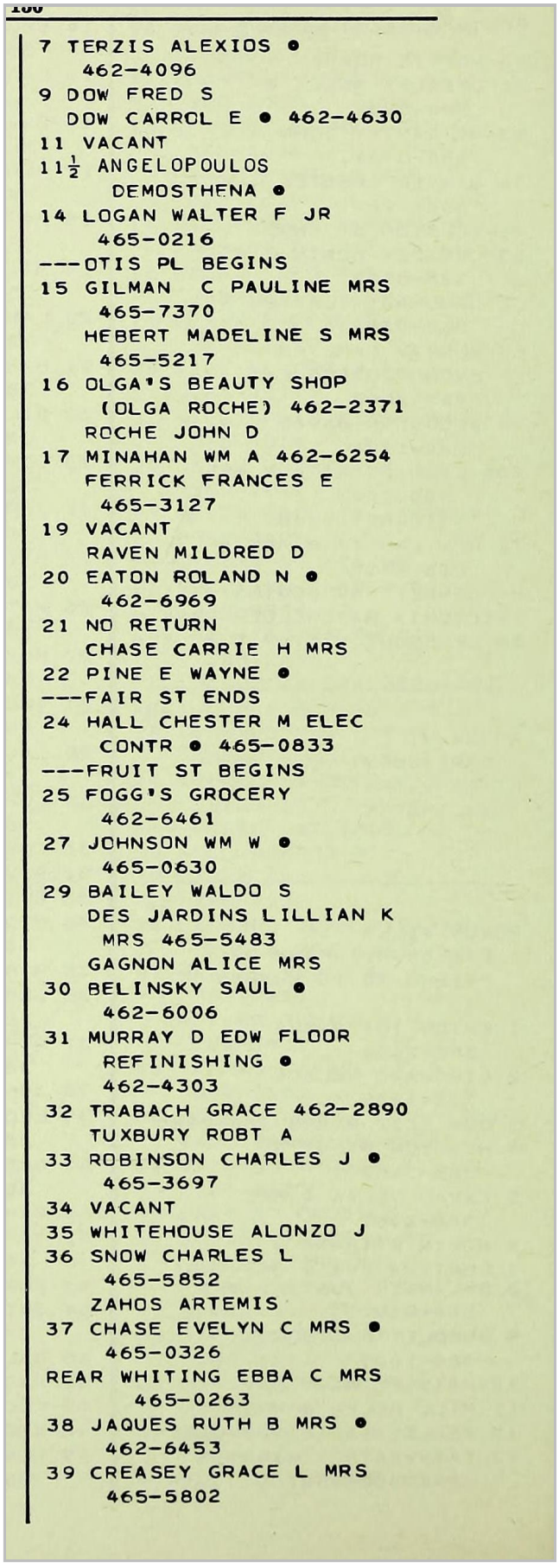
14

PROSPECT ST -FROM 85
STATE TO 68 BROMFIELD

5 GAGNON ARTH J
BROCKELBANK EDW H
462-2855
5½ HAWK EDW A 462-2274

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1965



7 TERZIS ALEXIOS ●
462-4096
9 DOW FRED S
DOW CARROL E ● 462-4630
11 VACANT
11½ ANGELOPOULOS
DEMOSTHENA ●
14 LOGAN WALTER F JR
465-0216
---OTIS PL BEGINS
15 GILMAN C PAULINE MRS
465-7370
HEBERT MADELINE S MRS
465-5217
16 OLGA'S BEAUTY SHOP
(OLGA ROCHE) 462-2371
ROCHE JOHN D
17 MINAHAN WM A 462-6254
FERRICK FRANCES E
465-3127
19 VACANT
RAVEN MILDRED D
20 EATON ROLAND N ●
462-6969
21 NO RETURN
CHASE CARRIE H MRS
22 PINE E WAYNE ●
---FAIR ST ENDS
24 HALL CHESTER M ELEC
CONTR ● 465-0833
---FRUIT ST BEGINS
25 FOGG'S GROCERY
462-6461
27 JOHNSON WM W ●
465-0630
29 BAILEY WALDO S
DES JARDINS LILLIAN K
MRS 465-5483
GAGNON ALICE MRS
30 BELINSKY SAUL ●
462-6006
31 MURRAY D EDW FLOOR
REFINISHING ●
462-4303
32 TRABACH GRACE 462-2890
TUXBURY ROBT A
33 ROBINSON CHARLES J ●
465-3697
34 VACANT
35 WHITEHOUSE ALONZO J
36 SNOW CHARLES L
465-5852
ZAHOS ARTEMIS
37 CHASE EVELYN C MRS ●
465-0326
REAR WHITING EBBA C MRS
465-0263
38 JAQUES RUTH B MRS ●
462-6453
39 CREASEY GRACE L MRS
465-5802

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1965

PROSPECT ST--CONTD

41 CHASE WARREN O
462-4556
42 AURSLANIAN GEO H ●
462-6555
42½ MASON ROBT G 465-7476

8

---TREMONT ST BEGINS
43 GAGNE ARTH J ●
465-0305
44 HOLMES OLIVER E ●
462-2253
45 ROBERTSON JAMES A
465-0298
46 PHELAN FRANCIS P ●
462-2142
47 BROWN GUY D ● 465-7875
48 MONAHAN THOS J
48½ WOODMAN IRVING
465-3848
49 COURTEMANCHE LEO ●
462-6257
50 GRANT LUCY J MRS ●
465-0874
51 JACKSON ALDWORTH C ●
462-2044
WOODWORTH TODD C
462-2010
53 BRADSHAW ALLEN L ●
465-0197
54 HEYWOOD WM C
56 GWINN MABEL E MRS ●
465-9176
57 MARSHALL ALBERT ●
465-9582
58 MARCOUX JOSEPH U
465-9573
MCLANE CHARLES A
465-7932
---FEDERAL ST INTERSECTS
59 YOAH PAUL E
60 WOODS EDNA W 465-3402
61 DOCKERY ELIZ F ●
462-4305
62 VACANT
63 COCKERY JOHN S
64 CAHILL ROBT E ●
462-2226
65 DIONNE GRACE D
465-5484
66 WEBB LAWRENCE E ●
462-4694
67 PANES STEPH P ●
462-2139
68 VACANT
69 BLUNT ALICE 462-2967
70 MOREY MATILDA M MRS ●
462-4773
71 NAUMETZ JOSEPH J JR ●
462-2558
72 WATSON ETHEL M
73 JENKINS JESSIE L ●
462-4682
74 HAMILTON JANET ●
465-0989
75 BEANE LOUISE E ●
462-2022
76 MCDONALD THOS W ●
462-4728
77 VALLETTE JEAN G ●
465-3894
79 LAMBERT RICHD M ●
465-7382
81 POLLARD CHARLES A ●
82 BRACKETT RAYMOND E ●
BROWN RAYMOND F
83 REARDON'S MARKET (JOHN
E REARDON JR)
462-6571
84 TRUE WILLARD H
85 VACANT
86 PATTOW ROBT H 465-7800
VACANT
87 BROWN REGINALD P
465-3745
88 BARNES EVA M MRS
465-7517
90 PATTOW'S VARIETY SHORE
(ROBT H PATTOW) ●

15

---PARSONS ST BEGINS
---LIME ST INTERSECTS
91 APARTMENTS
1 MCDERMOTT DAVID R
2 MCINTYRE JUDSON F
465-5804
3 HAMILTON JOHN
465-0278
4 GENTILE MARTHA MRS
5 RANDALL NORMA MRS
465-3567
6 BRYANT ALBERT
STREET CONTINUED
92 REGAN JOHN J ●
465-0888
93 WALTON RALPH W

9

---ALLEN ST BEGINS
95 AVEDISIAN OSGEY MRS ●
462-4345
97 BURNS LAURA M 465-3391
98 SOSTAK STANLEY M ●
99 WALKEY RICHD A
100 VACANT
101 SIELICKI STANLEY J ●
465-0255
102 RYAN EDWARD L ●
462-6800

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1965

PROSPECT ST--CONTD

103 MARTIN HENRY B ●
465-0800

105 KILGOUR FRANCIS B
465-0160

107 MURPHY JAMES C

109 QUINLAN PAUL J ●
465-0411

111 VACANT

113 MORRIS EARLE L ●
465-3855

115 NOYES WILLARD N
465-3194

117 BYLO STEPH 465-3770

119 MILLER RUTH K MRS ●
465-5760

121 CLOUTIER OMER G ●
465-0057

125 DAVIS ROBERT V
462-4095

127 ECONOMOU KALLIANTKE
MRS ● 465-9368

129 BRISLIN JOHN R ●
465-9390

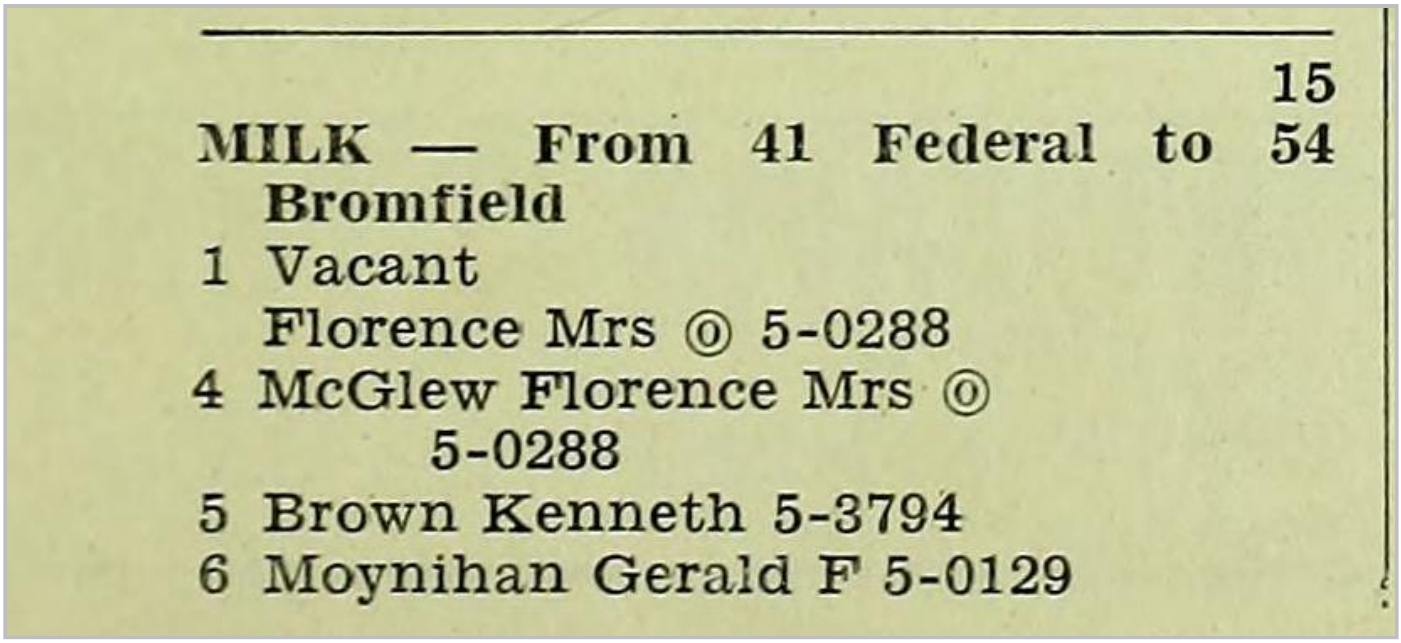
131 BRADBURY STEPH H JR
465-3617

18

PROSPECT ST

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1961



15

MILK — From 41 Federal to 54

Bromfield

1 Vacant

Florence Mrs @ 5-0288

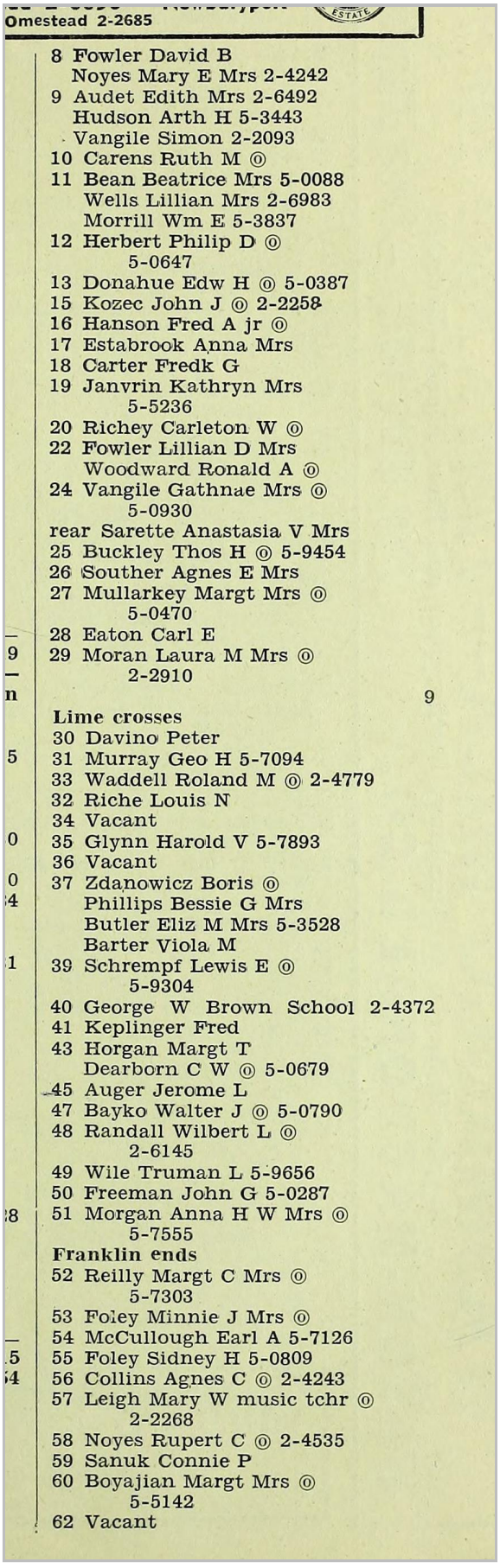
4 McGlew Florence Mrs @ 5-0288

5 Brown Kenneth 5-3794

6 Moynihan Gerald F 5-0129

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1961



Omestead 2-2685

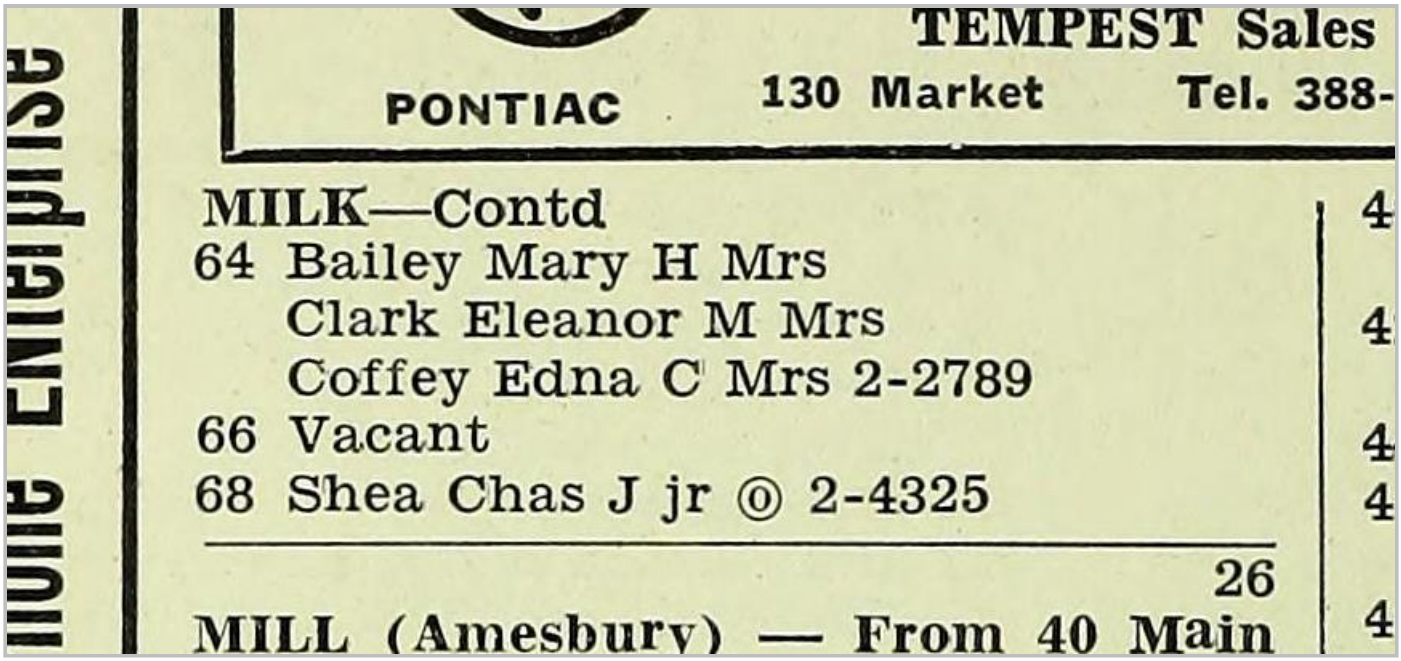
8 Fowler David B
Noyes Mary E Mrs 2-4242
9 Audet Edith Mrs 2-6492
Hudson Arth H 5-3443
Vangile Simon 2-2093
10 Carens Ruth M ⓞ
11 Bean Beatrice Mrs 5-0088
Wells Lillian Mrs 2-6983
Morrill Wm E 5-3837
12 Herbert Philip D ⓞ
5-0647
13 Donahue Edw H ⓞ 5-0387
15 Kozec John J ⓞ 2-2258
16 Hanson Fred A jr ⓞ
17 Estabrook Anna Mrs
18 Carter Fredk G
19 Janvrin Kathryn Mrs
5-5236
20 Richey Carleton W ⓞ
22 Fowler Lillian D Mrs
Woodward Ronald A ⓞ
24 Vangile Gathnae Mrs ⓞ
5-0930
rear Sarette Anastasia V Mrs
25 Buckley Thos H ⓞ 5-9454
26 Souther Agnes E Mrs
27 Mullarkey Margt Mrs ⓞ
5-0470
28 Eaton Carl E
29 Moran Laura M Mrs ⓞ
2-2910

9

Lime crosses
30 Davino Peter
31 Murray Geo H 5-7094
33 Waddell Roland M ⓞ 2-4779
32 Riche Louis N
34 Vacant
35 Glynn Harold V 5-7893
36 Vacant
37 Zdanowicz Boris ⓞ
Phillips Bessie G Mrs
Butler Eliz M Mrs 5-3528
Barter Viola M
39 Schrempf Lewis E ⓞ
5-9304
40 George W Brown School 2-4372
41 Keplinger Fred
43 Horgan Margt T
Dearborn C W ⓞ 5-0679
45 Auger Jerome L
47 Bayko Walter J ⓞ 5-0790
48 Randall Wilbert L ⓞ
2-6145
49 Wile Truman L 5-9656
50 Freeman John G 5-0287
51 Morgan Anna H W Mrs ⓞ
5-7555
Franklin ends
52 Reilly Margt C Mrs ⓞ
5-7303
53 Foley Minnie J Mrs ⓞ
54 McCullough Earl A 5-7126
55 Foley Sidney H 5-0809
56 Collins Agnes C ⓞ 2-4243
57 Leigh Mary W music tchr ⓞ
2-2268
58 Noyes Rupert C ⓞ 2-4535
59 Sanuk Connie P
60 Boyajian Margt Mrs ⓞ
5-5142
62 Vacant

Target Street	Cross Street	Source
✓	-	POLK DIRECTORY CO

MILK ST 1961



TEMPEST Sales
PONTIAC 130 Market Tel. 388-

MILK—Contd
64 Bailey Mary H Mrs
Clark Eleanor M Mrs
Coffey Edna C Mrs 2-2789
66 Vacant
68 Shea Chas J jr @ 2-4325

26

MILL (Amesbury) — From 40 Main

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1961

14

PROSPECT — From 85 State to 68
Bromfield
5 Hissey Danl J 5-7461
Brockelbank Edw H 2-2855
5½ Marshall Marion E Mrs 2-2089
7 Terzis Alexias @ 2-4096
9 Dow Fred S
9½ Dow Carroll E @ 2-4630
10 DeCelle Geo A @ 5-7949
11 Eaton Anne Mrs 2-6877
11½ Angelopoulos Demosthenes
14 Holbrook Helen C Mrs
Logan Walter F 5-0216
Otis pl begins
15 Eaton Helen Mrs
Denholm Madeline S 5-5217
16 Olga's Beauty Shop 2-2731
Roche John D @
17 Minahan Wm A 2-6254
Ferrick Frances E 5-3127
19 MacDonald Myrtle Mrs
Hubbard Wm A 5-7521
20 Eaton Ronald W @ 2-6969
21 Chase Carrie H Mrs
Nelson May A nurse 5-7312
22 Mendlesen Marius A @ 2-4010
Fair crosses
24 Hall Chester M @ elec contr 5-0833

8

Fruit begins
25 Foggs Grocery 2-6461
27 Johnson Wm @ 5-0630
29 Bailey Waldo Mrs
30 Belinsky Saul @ 2-6006
31 Murray Dennis E @ 2-4303
32 Trabach Grace 2-2890
33 Robinson Chas J 5-3697
34 Fortin Eug H 2-6530
35 Vacant
36 Smith Herbert L 2-2311
Zahos Artemis
37 Chase Evelyn C Mrs @ 5-0326
rear Scott Margt 5-7069
38 Jaques Ruth S Mrs @ 2-6453
39 Chase Donald G
41 Chase Warren A 2-4556
42 Aurslanian Geo H @ 2-6555
42½ Vacant
Tremont begins
43 Gagne Arth V J @ 5-0305
44 Holmes Oliver E @ 2-2253
45 Robertson Jas A 5-0298
46 Phelan Francis P @ 2-2142
47 Brown Guy D @ 5-7875
48 Anderson Kenneth 5-5287
48½ Boudreau Maurice 5-7177

Target Street	Cross Street	Source
-	✓	POLK DIRECTORY CO

PROSPECT ST 1961

BUSINESS LISTS IN THIS DIRECTORY

PROSPECT—Contd
49 Courtemanche Leo @ 2-6257
50 Grant Lucy J Mrs @ 5-0874
51 Jackson Aldworth C @ 2-2044
Woodworth Todd C 2-2010
53 Bradshaw Allen L
54 Vacant
56 Gwinn Mabel E Mrs @
57 Marshall Albert @ 5-9582

15

Federal crosses
58 Marcoux Jos C 5-9573
McLane Chas A 5-7932
59 Knight Sadie G Mrs 2-4169
Davis Nancy Mrs 5-3916
60 Lang Edw F 2-4566
Woods Jennie D Mrs 5-3402
61 Dockery Eliz F @ 2-4305
62 Vacant
63 Dockery John J
64 Cahill Robt E @ 2-2226
65 Bresnahan Lawrence J @ 2-6458
66 Webb Lawrence E @ 2-4694
67 Daley Jas H 2-4275
Panas Steph P @ 2-2139
68 Canepa Bros whol confr 2-2471
69 Blunt Alice Mrs 2-2967
70 Morey Matilda M Mrs @ 2-4773
71 Naumetz Jos M @ 2-2558
Sangberg Carl G
Roberts Fredk M
83 Reardon John jr @ gro 2-6751
85 Nadeau Camille
86 Pattow Robt H 5-7800
87 Bell Kenneth J @ 5-5228
72 Watson Fredk E
73 Jenkins Jessie L 2-4682
74 Hamilton Janet E @ 5-0989
75 Beane Louise E Mrs @ 2-2022
76 McDonald Thos W @ 2-4728
77 Vallette Jean G Mrs @ 5-3894
79 Welch John E @ 2-6051
81 Pollard Chas A
82 Brackett Raymond E @
88 Pattow's Variety Store
Barnes Eva M Mrs 5-7517
Parsons begins

9

Lime crosses
91 Hamilton John 5-0278
Richard Donald F
Elwell Eliz Mrs
Lyons Jas
Mitchell Helen E Mrs 5-0549
92 Regan John J 5-0888
93 Brown Raymond F
Allen begins
95 Avedisian Melkon @ 2-4345
97 Maguire Chas W jr
98 Sostak Stanley M @
99 Kneeland Clarence 2-0219
100 Vacant
101 Sielicki Stanley @ 5-0255
102 Ryan Edw L 2-6800
103 Martin Henry B @ 5-0800
105 Kilgour Francis B 5-0160
107 Fiske Milton L 2-2997
109 Hartman Lawrence S @ 2-4990
111 Vacant
113 Morris Earle L @ 5-3855
115 Noyes Willard N 5-3194
117 Estrella Marguerite Mrs 5-3770
119 Burns Robt W @ 5-7125
121 Cloutier Omer G @ 5-0057
123 Vacant
125 Davis Robt V 2-4095
127 Econonou Kalliantke Mrs 5-9368
129 Brislin John R @ 5-9390
131 Bradbury Stephen H @ 2-6967

18

PROSPECT (Amesbury) — From Market to Powow Hill
10 Chabot Florence A
Gosseline Aime J @ 388-2756
11 Parker Robt M @ 388-2767
15 No return
Sawyer John M 388-1341
15½ Ziehler Florence M Mrs 388-1429
17 Smith Irving H 388-0811
19 Vigue Eug R
19½ No return
20 Whittier School 388-0171
29 Dwyer Robt J @ 388-1092
30 Burke Andrew M @ 388-2889
31 Rallis Satere G @ 388-9042
32 MacLean Jas W @ 388-1941
Chester begins
35 Tuxbury Leslie C @ 388-0166
40 Megathlin Lewis S
42 Thurber Jos 388-2955
44 Shute Leonard M 388-1753
46 Fogg Stephen B jr 388-2412
47 Smith Muriel W Mrs @ 388-1575
47a DesRoches Rene J 388-1940
50 Motsis Geo @ 388-9044
Lake begins
51 Burke Mary T @ 388-9096
53 No return
55 Vigneault Jos H @ 388-0293
58 MacLean Jas W jr @ 388-0612
Ellison ends
63 Vaillancourt Lionel J 388-9206
65 Demers Water L jr @ 388-0309
66 Smith Peter 388-9385
Twitchell Anne 388-0932
68 Lancaster Roy S @ 388-3727
69 Lamprey Ronald J @ 388-0476
69a Lamprey Timithy O @ 388-9187
71 Fuller Ethel M Mrs @ 388-0346
Allston crosses
80 Knight Geo C @ fuel oil 388-0921
Knight Geo C @ 388-0921
90 Deschenes Gaetan M @ 388-9092
92 Brown Frank A
Dennett begins
95 Grover Daniel H @ 388-0733

22

PROVIDENCE (Amesbury)—From Rondeau 21
23 Laflamme Francis J @ 388-9166

9

PURCHASE — From 53 Lime to 24 Marlboro
1 Saunders Drug Store 2-4672
2 Rochette J A & Son liquors
4 Storage
Charles ends
6 York Norman K @ 2-4219
7 Jancewicz Jos C @ 5-9319
8 Price Marshall P 5-7309
Barrett Ralph G @ 2-2651

Brown School
42 Milk Street
Newburyport, MA 01950

Inquiry Number: 6324032.2s
January 07, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

42 MILK STREET
NEWBURYPORT, MA 01950

COORDINATES

Latitude (North):	42.8059340 - 42° 48' 21.36''
Longitude (West):	70.8646050 - 70° 51' 52.57''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	347535.3
UTM Y (Meters):	4740736.0
Elevation:	35 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5644858 NEWBURYPORT EAST, MA
Version Date:	2012
West Map:	5644860 NEWBURYPORT WEST, MA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140712
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
42 MILK STREET
NEWBURYPORT, MA 01950

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	BROWN SCHOOL	40 MILK ST	MA SHWS, MA RELEASE	Lower	1 ft.
2	HOWARD CLEANERS	22 PURCHASE ST	EDR Hist Cleaner	Lower	330, 0.062, ENE
A3	NO LOCATION AID	74 HIGH ST	MA LUST, MA RELEASE	Higher	762, 0.144, WSW
4	RESIDENTIAL PROPERTY	18 BROMFIELD ST	MA LAST, MA RELEASE	Lower	870, 0.165, ENE
5	FORMER JAMES STEAM M	1 CHARLES ST	MA SHWS, MA RELEASE, MA ENF	Lower	887, 0.168, NNE
A6	NO LOCATION AID	63 HIGH ST	MA SHWS, MA RELEASE, MA UIC	Higher	893, 0.169, WSW
B7	AMERICAN YACHT CLUB	119R WATER ST	MA UST	Lower	1220, 0.231, NNE
C8	MASSACHUSETTS ELECTR	78 WATER STREET	NY MANIFEST	Lower	1223, 0.232, North
C9	MASSACHUSETTS ELECTR	87 WATER ST	RCRA NonGen / NLR	Lower	1223, 0.232, North
D10	CALYPSO EXCURSIONS	12 FEDERAL ST	RCRA NonGen / NLR	Lower	1232, 0.233, NNW
D11	NEWBURYPORT TANNING	12 FEDERAL ST	RCRA NonGen / NLR, FINDS, ECHO	Lower	1232, 0.233, NNW
12	NEWBURYPORT FIBERGLA	177 WATER ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	1257, 0.238, NE
E13	SEWER DEPARTMENT	157 WATER ST	MA SHWS, MA RELEASE, MA ASBESTOS	Lower	1356, 0.257, NNE
E14	NEWBURYPORT WWTP	157 WATER STREET	SEMS-ARCHIVE	Lower	1356, 0.257, NNE
B15	FLAME TECH	115 WATER ST	MA SHWS, MA LAST, MA INST CONTROL, MA RELEASE, MA...	Lower	1413, 0.268, NNE
C16	MASSACHUSETTS ELECTR	87 WATER ST	MA SHWS, MA SPILLS, MA RELEASE, MA AIRS	Lower	1447, 0.274, North
F17	MERCURY ANODIZING	74 WATER STREET	SEMS-ARCHIVE, MA SHWS, MA INST CONTROL, MA...	Lower	1462, 0.277, North
18	MASS ELECTRIC NEWBUR	95 WATER ST	MA SHWS, MA LUST, MA INST CONTROL, MA SPILLS, MA...	Lower	1494, 0.283, North
F19	NO LOCATION AID	54 WATER ST	MA LUST, MA INST CONTROL, MA RELEASE	Lower	1521, 0.288, North
F20	US COAST GUARD STATI	65B WATER ST	MA SHWS, MA RELEASE	Lower	1585, 0.300, NNW
F21	REAR OF CUSTOM HOUSE	50 WATER ST	MA SHWS, MA RELEASE	Lower	1626, 0.308, NNW
F22	NO LOCATION AID	75 WATER ST	MA LUST, MA INST CONTROL, MA RELEASE	Lower	1638, 0.310, North
G23	MOTOR SHOP	37-39 LIBERTY ST	MA SHWS, MA RELEASE	Lower	1685, 0.319, NNW
24	MERRIMACK RIVER	2A USCG STREET	SEMS-ARCHIVE	Lower	1729, 0.327, NNE
G25	WENDOVER WOODWORKS	29-35 LIBERTY ST	MA SHWS, MA RELEASE	Lower	1752, 0.332, NNW
H26	USCG	65B WATER ST	MA SHWS, MA RELEASE	Lower	1758, 0.333, NNW
27	GLOBAL MONTELLO GROU	107 STATE ST	MA SHWS, MA UST, MA RELEASE	Higher	1796, 0.340, West
H28	CITY BRANCH RAIL COR	REAR OF 157 WATER ST	US BROWNFIELDS, FINDS	Lower	1819, 0.345, NNW
29	GETTY STATION #30621	98 STATE ST	MA LUST, MA UST, MA RELEASE	Higher	1884, 0.357, WNW
30	NO LOCATION AID	15 AND 23 LIBERTY ST	MA SHWS, MA INST CONTROL, MA RELEASE, MA ENF	Lower	1922, 0.364, NNW
31	THE BOOK RACK	58 STATE ST	MA SHWS, MA LAST, MA RELEASE	Lower	1985, 0.376, NW
I32	W E ATKINSON CO	27 WATER ST	MA SHWS, MA RELEASE	Lower	2136, 0.405, NNW
33	MOBIL GASOLINE STATI	STATE ST HIGH ST	MA SHWS, MA RELEASE	Higher	2151, 0.407, WNW
J34	M & V ELECTROPLATING	5 GREENLEAF STREET	SEMS-ARCHIVE, MA SHWS, MA UST, MA RELEASE, RCRA...	Higher	2254, 0.427, West
I35	NEWBURYPORT HARBOR	25 WATER STREET	MA SHWS, MA RELEASE	Lower	2308, 0.437, NNW
J36	FORMER M&V ELECTROPL	2-4 FULTON ST AND 5	MA SHWS, MA BROWNFIELDS, MA RELEASE	Higher	2417, 0.458, West
37	OLD NEWBURYPORT FIRE	MARKET PL	MA LUST, MA RELEASE	Lower	2465, 0.467, NW
38	VERIZON MASSACHUSETT	33 GREEN ST	MA LUST, MA UST, MA AST, MA RELEASE, MA TIER 2	Lower	2478, 0.469, NW
39	RESIDENCE	19 BEACON AVE	MA SHWS, MA RELEASE	Lower	2488, 0.471, ESE

MAPPED SITES SUMMARY

Target Property Address:
42 MILK STREET
NEWBURYPORT, MA 01950

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
40	NO LOCATION AID	40 PARKER ST	MA SHWS, MA RELEASE, MA AIRS, MA ASBESTOS, MA HW..	Higher	2516, 0.477, SSW
41	PERKINS PARK	BEACON AVE AND UNION	MA SHWS, MA INST CONTROL, MA RELEASE	Lower	2641, 0.500, ESE
42	NOYES CITGO	34 HIGH RD	MA SHWS, MA LUST, MA INST CONTROL, MA RELEASE, MA..	Higher	2839, 0.538, SSE
K43	BEACON AVE AND UNION	270 WATER ST	MA SHWS, MA RELEASE, MA ASBESTOS	Lower	2885, 0.546, ESE
K44	MASSACHUSETTS ELECTR	270 WATER STREET	EDR MGP	Lower	2885, 0.546, ESE
L45	NO LOCATION AID	149 STATE ST	MA SHWS, MA INST CONTROL, MA RELEASE	Higher	2901, 0.549, SW
L46	FRUIT BASKET	149 STATE ST	MA SHWS, MA RELEASE	Higher	2901, 0.549, SW
M47	BP GIBBS STATION 008	51 MERRIMAC ST	MA SHWS, MA RELEASE	Lower	2951, 0.559, NW
M48	WINDWARD YACHT YARD	58 MERRIMAC ST REAR	MA SHWS, MA RELEASE	Lower	3059, 0.579, NW
N49	NO LOCATION AID	85 MERRIMAC ST	MA SHWS, MA INST CONTROL, MA RELEASE	Lower	3295, 0.624, NW
N50	FORMER COUNTRY DRIVI	6 MARKET STREET. (C	MA SHWS, MA RELEASE	Lower	3416, 0.647, NW
51	ROADWAY/NEWBURY TOWN	25 HIGH ROAD	MA SHWS, MA RELEASE	Higher	3468, 0.657, SSE
52	AMCARE	12 PARKER ST	MA SHWS, MA RELEASE	Lower	3593, 0.680, SW
53	NO LOCATION AID	2 CAREY AVE	MA SHWS, MA RELEASE	Higher	3631, 0.688, WNW
54	DOMINOS PIZZA	169 STATE ST	MA SHWS, MA RELEASE	Lower	3633, 0.688, SW
55	INTERSECTION OF MERR	2 TO 6 WINTER ST	MA SHWS, MA RELEASE	Lower	3676, 0.696, NW
56	ADJACENT TO FMR RAIL	120 MERRIMAC ST	MA SHWS, MA RELEASE	Lower	3848, 0.729, NW
57	AT PARKER ST	RTE 1	MA SHWS, MA RELEASE	Lower	3989, 0.755, West
O58	NO LOCATION AID	RTE 1	MA SHWS, MA RELEASE	Lower	3997, 0.757, SW
59	FORMER DPW GARAGE	129 MERRIMAC ST	MA SHWS, MA RELEASE	Lower	4003, 0.758, NW
60	JUNKYARD FMR	OCEAN AVE PLUM ISLAN	MA SHWS, MA RELEASE	Lower	4003, 0.758, ESE
O61	RT 1 N/NEWBURY-NEWBU	3 NEWBURYPORT TPKE	MA SHWS, MA RELEASE	Lower	4020, 0.761, SW
P62	BRIDGE MARINA	179 BRIDGE RD	MA SHWS, MA UST, MA AST, MA INST CONTROL, MA...	Lower	4105, 0.777, NNW
63	EXXON STATION 3 0981	NEWBURYPORT TPKE RTE	MA SHWS, MA RELEASE	Lower	4186, 0.793, SW
P64	CORNER OF MARCH RD	175 BRIDGE RD	MA SHWS, MA RELEASE	Lower	4217, 0.799, NNW
65	OWENS BROCKWAY PLAST	34 PARKER ST	MA SHWS, MA RELEASE, MA ENF	Lower	4300, 0.814, WSW
66	NEWBURYPORT LAYOVER	9 NEWBURYPORT TPKE	MA SHWS, MA RELEASE	Lower	4346, 0.823, SW
Q67	NO LOCATION AID	198 MERRIMAC ST	MA SHWS, MA LAST, MA RELEASE, MA HW GEN	Lower	4967, 0.941, NW
68	CIRCLE FINISHING INC	RTE 1 TRAFFIC CIR	SEMS, CORRACTS, RCRA NonGen / NLR, ICIS, US AIRS,...	Lower	4972, 0.942, WSW
69	VERIZON FACILITY	14 HENRY GRAF JR. RO	MA SHWS, MA RELEASE	Lower	4996, 0.946, West
Q70	AT KENT STREET	185 TO 200 MERRIMAC	MA SHWS, MA RELEASE	Lower	5020, 0.951, NW
Q71	GASOLINE STATION	185 MERRIMAC STREET	MA SHWS, MA LUST, MA RELEASE, MA ENF, MA UIC	Lower	5048, 0.956, NW
Q72	KENT ST	200 TO 202 MERRIMAC	MA SHWS, MA RELEASE	Lower	5145, 0.974, NW
73	CAUSEWAY ENTERPRISES	BRIDGE RD	MA SHWS, MA RELEASE	Lower	5183, 0.982, North

EXECUTIVE SUMMARY

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 NPL site list

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
NPL LIENS	Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL	National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY	Federal Facility Site Information listing

Federal RCRA 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-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS	Land Use Control Information System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROLS	Institutional Controls Sites List

Federal ERNS list

ERNS	Emergency Response Notification System

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

MA SWF/LF	Solid Waste Facility Database/Transfer Stations

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---- Underground Storage Tank Listing
INDIAN UST ---- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

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
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
US CDL ---- National Clandestine Laboratory Register
MA PFAS ---- PFAS Contaminated Sites Listing

Local Land Records

MA LIENS ---- Liens Information Listing
LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
MA SPILLS 90 ---- SPILLS 90 data from FirstSearch
MA SPILLS 80 ---- SPILLS 80 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of 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

PADS	PCB Activity Database System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide 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
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
MA DRYCLEANERS	Regulated Drycleaning Facilities
MA Financial Assurance	Financial Assurance Information Listing
MA GWDP	Ground Water Discharge Permits
MA MERCURY	Mercury Product Recyling Drop-Off Locations Listing
MA NPDES	NPDES Permit Listing
MA TSD	TSD Facility
MINES MRDS	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto	EDR Exclusive Historical Auto Stations

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

MA RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
MA 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.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 10/28/2020 has revealed that there are 4 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
M & V ELECTROPLATING Site ID: 0100393 EPA Id: MAD001042647	***5 GREENLEAF STREET***	***W 1/4 - 1/2 (0.427 mi.)***	***J34***	***178***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEWBURYPORT WWTP Site ID: 0100574 EPA Id: MAD075354449	157 WATER STREET	NNE 1/4 - 1/2 (0.257 mi.)	E14	61
MERCURY ANODIZING Site ID: 0102169 EPA Id: MAD001402734	***74 WATER STREET***	***N 1/4 - 1/2 (0.277 mi.)***	***F17***	***87***
MERRIMACK RIVER Site ID: 0102048 EPA Id: MAD985276617	2A USCG STREET	NNE 1/4 - 1/2 (0.327 mi.)	24	131

Federal RCRA CORRACTS facilities list

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

A review of the CORRACTS list, as provided by EDR, and dated 12/14/2020 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE FINISHING INC EPA ID:: MAD047070305	***RTE 1 TRAFFIC CIR***	***WSW 1/2 - 1 (0.942 mi.)***	***68***	***327***

State- and tribal - equivalent CERCLIS

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

A review of the MA SHWS list, as provided by EDR, and dated 06/24/2020 has revealed that there are 54 MA 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: 3-0025459 Current Status: RAO	***63 HIGH ST***	***WSW 1/8 - 1/4 (0.169 mi.)***	***A6***	***27***
GLOBAL MONTELLO GROU Release Tracking Number: 3-0027998 Current Status: RAO	***107 STATE ST***	***W 1/4 - 1/2 (0.340 mi.)***	***27***	***134***
MOBIL GASOLINE STATI Release Tracking Number: 3-0004160 Current Status: RAO	***STATE ST HIGH ST***	***WNW 1/4 - 1/2 (0.407 mi.)***	***33***	***177***
M & V ELECTROPLATING Release Tracking Number: 3-0001690 Current Status: RAO	***5 GREENLEAF STREET***	***W 1/4 - 1/2 (0.427 mi.)***	***J34***	***178***
FORMER M&V ELECTROPL Release Tracking Number: 3-0020998 Current Status: RAO	***2-4 FULTON ST AND 5***	***W 1/4 - 1/2 (0.458 mi.)***	***J36***	***205***
NO LOCATION AID Release Tracking Number: 3-0025179 Current Status: RAO	***40 PARKER ST***	***SSW 1/4 - 1/2 (0.477 mi.)***	***40***	***224***
NOYES CITGO Release Tracking Number: 3-0021904 Release Tracking Number: 3-0027921 Current Status: RAO	***34 HIGH RD***	***SSE 1/2 - 1 (0.538 mi.)***	***42***	***241***
NO LOCATION AID Release Tracking Number: 3-0021054 Current Status: RAO	***149 STATE ST***	***SW 1/2 - 1 (0.549 mi.)***	***L45***	***259***
FRUIT BASKET Release Tracking Number: 3-0021442 Current Status: RAONR	***149 STATE ST***	***SW 1/2 - 1 (0.549 mi.)***	***L46***	***265***
ROADWAY/NEWBURY TOWN Release Tracking Number: 3-0032854 Current Status: PSNC	***25 HIGH ROAD***	***SSE 1/2 - 1 (0.657 mi.)***	***51***	***277***
NO LOCATION AID Release Tracking Number: 3-0018196 Current Status: RAO	***2 CAREY AVE***	***WNW 1/2 - 1 (0.688 mi.)***	***53***	***281***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BROWN SCHOOL Release Tracking Number: 3-0020517 Current Status: RAO	***40 MILK ST***	***0 - 1/8 (0.000 mi.)***	***1***	***8***
FORMER JAMES STEAM M	***1 CHARLES ST***	***NNE 1/8 - 1/4 (0.168 mi.)***	***5***	***16***

Release Tracking Number: 3-0029304
Release Tracking Number: 3-0029430
Release Tracking Number: 3-0030316
Current Status: PSNC
Current Status: TIERII
Current Status: RAONR

SEWER DEPARTMENT	***157 WATER ST***	***NNE 1/4 - 1/2 (0.257 mi.)***	***E13***	***52***

Release Tracking Number: 3-0034010
Release Tracking Number: 3-0024483
Release Tracking Number: 3-0030688
Release Tracking Number: 3-0017929
Current Status: TIERII
Current Status: RAO
Current Status: DPS

FLAME TECH	***115 WATER ST***	***NNE 1/4 - 1/2 (0.268 mi.)***	***B15***	***62***

Release Tracking Number: 3-0002947
Current Status: PSC

MASSACHUSETTS ELECTR	***87 WATER ST***	***N 1/4 - 1/2 (0.274 mi.)***	***C16***	***84***

Release Tracking Number: 3-0019776
Current Status: RAO

MERCURY ANODIZING	***74 WATER STREET***	***N 1/4 - 1/2 (0.277 mi.)***	***F17***	***87***

Release Tracking Number: 3-0003620
Current Status: RAO

MASS ELECTRIC NEWBUR	***95 WATER ST***	***N 1/4 - 1/2 (0.283 mi.)***	***18***	***97***

Release Tracking Number: 3-0023481
Release Tracking Number: 3-0029787
Release Tracking Number: 3-0033552
Release Tracking Number: 3-0022036
Current Status: RAO
Current Status: TIERII

US COAST GUARD STATI	***65B WATER ST***	***NNW 1/4 - 1/2 (0.300 mi.)***	***F20***	***115***

Release Tracking Number: 3-0018972
Current Status: RAO

REAR OF CUSTOM HOUSE	***50 WATER ST***	***NNW 1/4 - 1/2 (0.308 mi.)***	***F21***	***117***

Release Tracking Number: 3-0022821
Current Status: RAO

MOTOR SHOP	***37-39 LIBERTY ST***	***NNW 1/4 - 1/2 (0.319 mi.)***	***G23***	***130***

Release Tracking Number: 3-0001295
Current Status: RAO

WENDOVER WOODWORKS	***29-35 LIBERTY ST***	***NNW 1/4 - 1/2 (0.332 mi.)***	***G25***	***132***

Release Tracking Number: 3-0001292
Current Status: LSPNFA

USCG	***65B WATER ST***	***NNW 1/4 - 1/2 (0.333 mi.)***	***H26***	***133***

Release Tracking Number: 3-0021891
Current Status: DPS

NO LOCATION AID	***15 AND 23 LIBERTY ST***	***NNW 1/4 - 1/2 (0.364 mi.)***	***30***	***162***

Release Tracking Number: 3-0022163
Current Status: RAO

THE BOOK RACK	***58 STATE ST***	***NW 1/4 - 1/2 (0.376 mi.)***	***31***	***167***

Release Tracking Number: 3-0027611
Current Status: RAO

W E ATKINSON CO	***27 WATER ST***	***NNW 1/4 - 1/2 (0.405 mi.)***	***I32***	***174***

Release Tracking Number: 3-0002683 Current Status: RAO				
NEWBURYPORT HARBOR Release Tracking Number: 3-0035132 Current Status: PSNC	***25 WATER STREET***	***NNW 1/4 - 1/2 (0.437 mi.)***	***I35***	***203***
RESIDENCE Release Tracking Number: 3-0023466 Current Status: RAO	***19 BEACON AVE***	***ESE 1/4 - 1/2 (0.471 mi.)***	***39***	***222***
PERKINS PARK Release Tracking Number: 3-0018057 Current Status: RAO	***BEACON AVE AND UNION***	***ESE 1/2 - 1 (0.500 mi.)***	***41***	***228***
BEACON AVE AND UNION Release Tracking Number: 3-0018821 Release Tracking Number: 3-0024020 Current Status: RAONR	***270 WATER ST***	***ESE 1/2 - 1 (0.546 mi.)***	***K43***	***252***
BP GIBBS STATION 008 Release Tracking Number: 3-0003593 Current Status: RAO	***51 MERRIMAC ST***	***NW 1/2 - 1 (0.559 mi.)***	***M47***	***269***
WINDWARD YACHT YARD Release Tracking Number: 3-0018528 Current Status: RAO	***58 MERRIMAC ST REAR***	***NW 1/2 - 1 (0.579 mi.)***	***M48***	***270***
NO LOCATION AID Release Tracking Number: 3-0021816 Current Status: RAO	***85 MERRIMAC ST***	***NW 1/2 - 1 (0.624 mi.)***	***N49***	***272***
FORMER COUNTRY DRIVI Release Tracking Number: 3-0036074 Current Status: PSNC	***6 MARKET STREET. (C***	***NW 1/2 - 1 (0.647 mi.)***	***N50***	***276***
AMCARE Release Tracking Number: 3-0002417 Current Status: RAO	***12 PARKER ST***	***SW 1/2 - 1 (0.680 mi.)***	***52***	***279***
DOMINOS PIZZA Release Tracking Number: 3-0021290 Current Status: RAO	***169 STATE ST***	***SW 1/2 - 1 (0.688 mi.)***	***54***	***282***
INTERSECTION OF MERR Release Tracking Number: 3-0016519 Release Tracking Number: 3-0016520 Release Tracking Number: 3-0016521 Current Status: RAO	***2 TO 6 WINTER ST***	***NW 1/2 - 1 (0.696 mi.)***	***55***	***285***
ADJACENT TO FMR RAIL Release Tracking Number: 3-0026894 Current Status: RAO	***120 MERRIMAC ST***	***NW 1/2 - 1 (0.729 mi.)***	***56***	***290***
AT PARKER ST Release Tracking Number: 3-0013757 Current Status: RAO	***RTE 1***	***W 1/2 - 1 (0.755 mi.)***	***57***	***291***
NO LOCATION AID Release Tracking Number: 3-0016731 Current Status: URAM	***RTE 1***	***SW 1/2 - 1 (0.757 mi.)***	***O58***	***292***
FORMER DPW GARAGE Release Tracking Number: 3-0020485	***129 MERRIMAC ST***	***NW 1/2 - 1 (0.758 mi.)***	***59***	***294***

Current Status: RAO				
JUNKYARD FMR Release Tracking Number: 3-0002921 Current Status: RAO	***OCEAN AVE PLUM ISLAN***	***ESE 1/2 - 1 (0.758 mi.)***	***60***	***296***
RT 1 N/NEWBURY-NEWBU Release Tracking Number: 3-0010321 Current Status: RAONR	***3 NEWBURYPORT TPKE***	***SW 1/2 - 1 (0.761 mi.)***	***O61***	***298***
BRIDGE MARINA Release Tracking Number: 3-0028246 Release Tracking Number: 3-0028490 Current Status: RAO	***179 BRIDGE RD***	***NNW 1/2 - 1 (0.777 mi.)***	***P62***	***306***
EXXON STATION 3 0981 Release Tracking Number: 3-0000760 Current Status: RAO	***NEWBURYPORT TPKE RTE***	***SW 1/2 - 1 (0.793 mi.)***	***63***	***316***
CORNER OF MARCH RD Release Tracking Number: 3-0019642 Current Status: RAO	***175 BRIDGE RD***	***NNW 1/2 - 1 (0.799 mi.)***	***P64***	***317***
OWENS BROCKWAY PLAST Release Tracking Number: 3-0023232 Current Status: RAO	***34 PARKER ST***	***WSW 1/2 - 1 (0.814 mi.)***	***65***	***318***
NEWBURYPORT LAYOVER Release Tracking Number: 3-0023729 Current Status: RAO	***9 NEWBURYPORT TPKE***	***SW 1/2 - 1 (0.823 mi.)***	***66***	***321***
NO LOCATION AID Release Tracking Number: 3-0019414 Current Status: RAO	***198 MERRIMAC ST***	***NW 1/2 - 1 (0.941 mi.)***	***Q67***	***324***
VERIZON FACILITY Release Tracking Number: 3-0032373 Current Status: PSNC	***14 HENRY GRAF JR. RO***	***W 1/2 - 1 (0.946 mi.)***	***69***	***359***
AT KENT STREET Release Tracking Number: 3-0022292 Current Status: RAONR	***185 TO 200 MERRIMAC***	***NW 1/2 - 1 (0.951 mi.)***	***Q70***	***360***
GASOLINE STATION Release Tracking Number: 3-0033956 Current Status: RAONR	***185 MERRIMAC STREET***	***NW 1/2 - 1 (0.956 mi.)***	***Q71***	***365***
KENT ST Release Tracking Number: 3-0021765 Current Status: DPS	***200 TO 202 MERRIMAC***	***NW 1/2 - 1 (0.974 mi.)***	***Q72***	***397***
CAUSEWAY ENTERPRISES Release Tracking Number: 3-0000771 Current Status: RAO	***BRIDGE RD***	***N 1/2 - 1 (0.982 mi.)***	***73***	***398***

State and tribal leaking storage tank lists

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

A review of the MA LUST list, as provided by EDR, and dated 06/24/2020 has revealed that there are 7

MA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NO LOCATION AID	***74 HIGH ST***	***WSW 1/8 - 1/4 (0.144 mi.)***	***A3***	***10***
Release Tracking Number / Current Status: 3-0025903 / RAO				
GETTY STATION #30621	***98 STATE ST***	***WNW 1/4 - 1/2 (0.357 mi.)***	***29***	***157***
Release Tracking Number / Current Status: 3-0017632 / RAO				

Lower Elevation	Address	Direction / Distance	Map ID	Page
MASS ELECTRIC NEWBUR	***95 WATER ST***	***N 1/4 - 1/2 (0.283 mi.)***	***18***	***97***
Release Tracking Number / Current Status: 3-0004004 / RAO				
NO LOCATION AID	***54 WATER ST***	***N 1/4 - 1/2 (0.288 mi.)***	***F19***	***110***
Release Tracking Number / Current Status: 3-0010684 / RAO				
NO LOCATION AID	***75 WATER ST***	***N 1/4 - 1/2 (0.310 mi.)***	***F22***	***118***
Release Tracking Number / Current Status: 3-0013097 / RAO				
OLD NEWBURYPORT FIRE	***MARKET PL***	***NW 1/4 - 1/2 (0.467 mi.)***	***37***	***207***
Release Tracking Number / Current Status: 3-0004517 / RAO				
VERIZON MASSACHUSETT	***33 GREEN ST***	***NW 1/4 - 1/2 (0.469 mi.)***	***38***	***210***
Release Tracking Number / Current Status: 3-0011521 / RAO				

MA LAST: The Leaking Aboveground Storage Tanks database

A review of the MA LAST list, as provided by EDR, and dated 06/24/2020 has revealed that there are 3 MA LAST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RESIDENTIAL PROPERTY	***18 BROMFIELD ST***	***ENE 1/8 - 1/4 (0.165 mi.)***	***4***	***13***
Release Tracking Number / Current Status: 3-0025011 / RAO				
FLAME TECH	***115 WATER ST***	***NNE 1/4 - 1/2 (0.268 mi.)***	***B15***	***62***
Release Tracking Number / Current Status: 3-0002947 / PSC				
THE BOOK RACK	***58 STATE ST***	***NW 1/4 - 1/2 (0.376 mi.)***	***31***	***167***
Release Tracking Number / Current Status: 3-0027611 / RAO				

State and tribal registered storage tank lists

MA 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 MA UST list, as provided by EDR, and dated 09/30/2020 has revealed that there is 1 MA UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN YACHT CLUB	119R WATER ST	NNE 1/8 - 1/4 (0.231 mi.)	B7	32
Tank Status: Tank Removed				
Facility Id: 40684				

State and tribal institutional control / engineering control registries

MA INST CONTROL: Activity and Use Limitations establish limits and conditions on the future use of contaminated property, and therefore allow cleanups to be tailored to these uses.

A review of the MA INST CONTROL list, as provided by EDR, and dated 06/24/2020 has revealed that there are 6 MA INST CONTROL sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FLAME TECH	***115 WATER ST***	***NNE 1/4 - 1/2 (0.268 mi.)***	***B15***	***62***
Release Tracking Number: 3-0002947				
MERCURY ANODIZING	***74 WATER STREET***	***N 1/4 - 1/2 (0.277 mi.)***	***F17***	***87***
Release Tracking Number: 3-0003620				
MASS ELECTRIC NEWBUR	***95 WATER ST***	***N 1/4 - 1/2 (0.283 mi.)***	***18***	***97***
Release Tracking Number: 3-0029787				
NO LOCATION AID	***54 WATER ST***	***N 1/4 - 1/2 (0.288 mi.)***	***F19***	***110***
Release Tracking Number: 3-0010684				
NO LOCATION AID	***75 WATER ST***	***N 1/4 - 1/2 (0.310 mi.)***	***F22***	***118***
Release Tracking Number: 3-0013097				
NO LOCATION AID	***15 AND 23 LIBERTY ST***	***NNW 1/4 - 1/2 (0.364 mi.)***	***30***	***162***
Release Tracking Number: 3-0022163				

State and tribal Brownfields sites

MA BROWNFIELDS: 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.

A review of the MA BROWNFIELDS list, as provided by EDR, has revealed that there is 1 MA BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER M&V ELECTROPL	***2-4 FULTON ST AND 5***	***W 1/4 - 1/2 (0.458 mi.)***	***J36***	***205***
Database: BROWNFIELDS 2, Date of Government Version: 12/31/2018				
Database: BROWNFIELDS, Date of Government Version: 04/05/2017				
MCP Status: RAO				
RTN: 3-0020998				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program,

which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 09/14/2020 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY BRANCH RAIL COR	***REAR OF 157 WATER ST***	***NNW 1/4 - 1/2 (0.345 mi.)***	***H28***	***142***
ACRES property ID: 235605				
Cleanup Completion Date: -				

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 12/14/2020 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MASSACHUSETTS ELECTR	87 WATER ST	N 1/8 - 1/4 (0.232 mi.)	C9	34
EPA ID:: MAD980731582				
CALYPSO EXCURSIONS	12 FEDERAL ST	NNW 1/8 - 1/4 (0.233 mi.)	D10	42
EPA ID:: MAD981896806				
NEWBURYPORT TANNING	***12 FEDERAL ST***	***NNW 1/8 - 1/4 (0.233 mi.)***	***D11***	***44***
EPA ID:: MAD019602994				
NEWBURYPORT FIBERGLA	***177 WATER ST***	***NE 1/8 - 1/4 (0.238 mi.)***	***12***	***47***
EPA ID:: MAD062165832				

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there are 2 NY MANIFEST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MASSACHUSETTS ELECTR	78 WATER STREET	N 1/8 - 1/4 (0.232 mi.)	C8	33
EPA ID: MAD980731582				
NEWBURYPORT FIBERGLA	***177 WATER ST***	***NE 1/8 - 1/4 (0.238 mi.)***	***12***	***47***
EPA ID: MAD062165832				

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: 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.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MASSACHUSETTS ELECTR	270 WATER STREET	ESE 1/2 - 1 (0.546 mi.)	K44	259

EDR Hist Cleaner: 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 Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

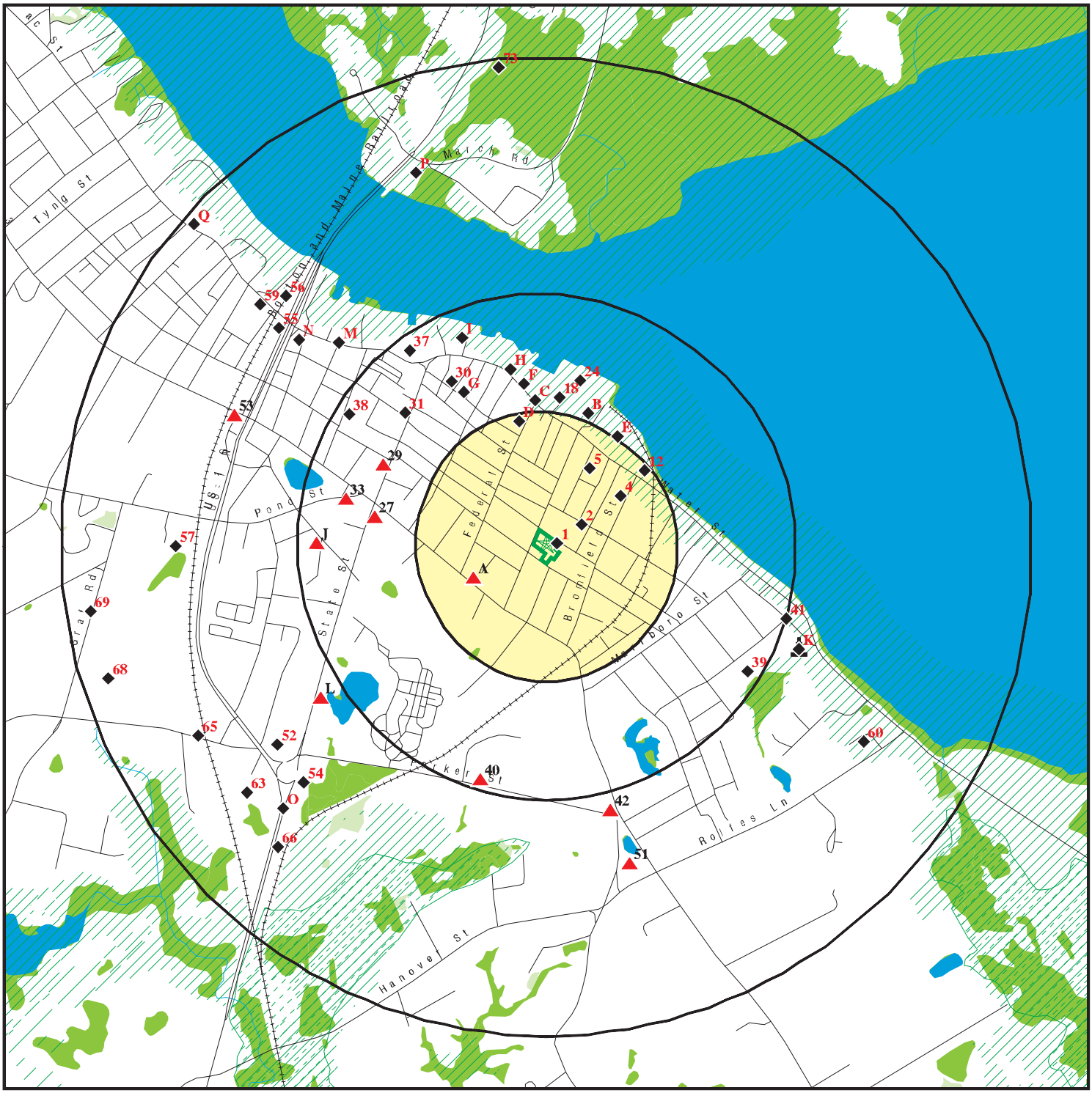
Lower Elevation	Address	Direction / Distance	Map ID	Page
HOWARD CLEANERS	22 PURCHASE ST	ENE 0 - 1/8 (0.062 mi.)	2	10

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 16 records.

Site Name	Database(s)
NO LOCATION AID	MA SHWS, MA RELEASE
NO LOCATION AID	MA SHWS, MA RELEASE
FORMER W. E. ATKINSON CO. PROPERTY	MA SHWS, MA RELEASE
FMR B&M RIGHT-OF-WAY	MA SHWS, MA RELEASE
FORMER BOSTON & MAINE RAILROAD LIN	MA SHWS, MA RELEASE
HALL AND MOSCOW CORPORATION	MA SHWS, MA RELEASE, MA ENF
NO LOCATION AID	MA SHWS, MA RELEASE
WATERFRONT PARK,WEST LOT-PETROLEUM	MA SHWS, MA INST CONTROL, MA RELEASE
WATERFRONT PARK,WEST LOT-PETROLEUM	MA SHWS, MA INST CONTROL, MA RELEASE
FORMER RICHARD ALIGNMENT	MA SHWS, MA RELEASE
UTILITY POLE NO 40	MA SHWS, MA RELEASE
UTILITY POLE	MA SHWS, MA RELEASE
DIESEL GENERATORS	MA SHWS, MA RELEASE
MCCARTHY TRANSPORTATION	MA SHWS, MA INST CONTROL, MA RELEASE, MA SPILLS, MA ENF
ROADWAY AT 157 BRIDGE ROAD	MA SHWS, MA RELEASE
MERRIMAC RIVER (C5-0118)	SEMS-ARCHIVE

OVERVIEW MAP - 6324032.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Brown School	CLIENT: Credere Associates
ADDRESS: 42 Milk Street Newburyport MA 01950	CONTACT: Moira Wentworth INQUIRY #: 6324032.2s
LAT/LONG: 42.805934 / 70.864605	DATE: January 07, 2021 4:42 pm

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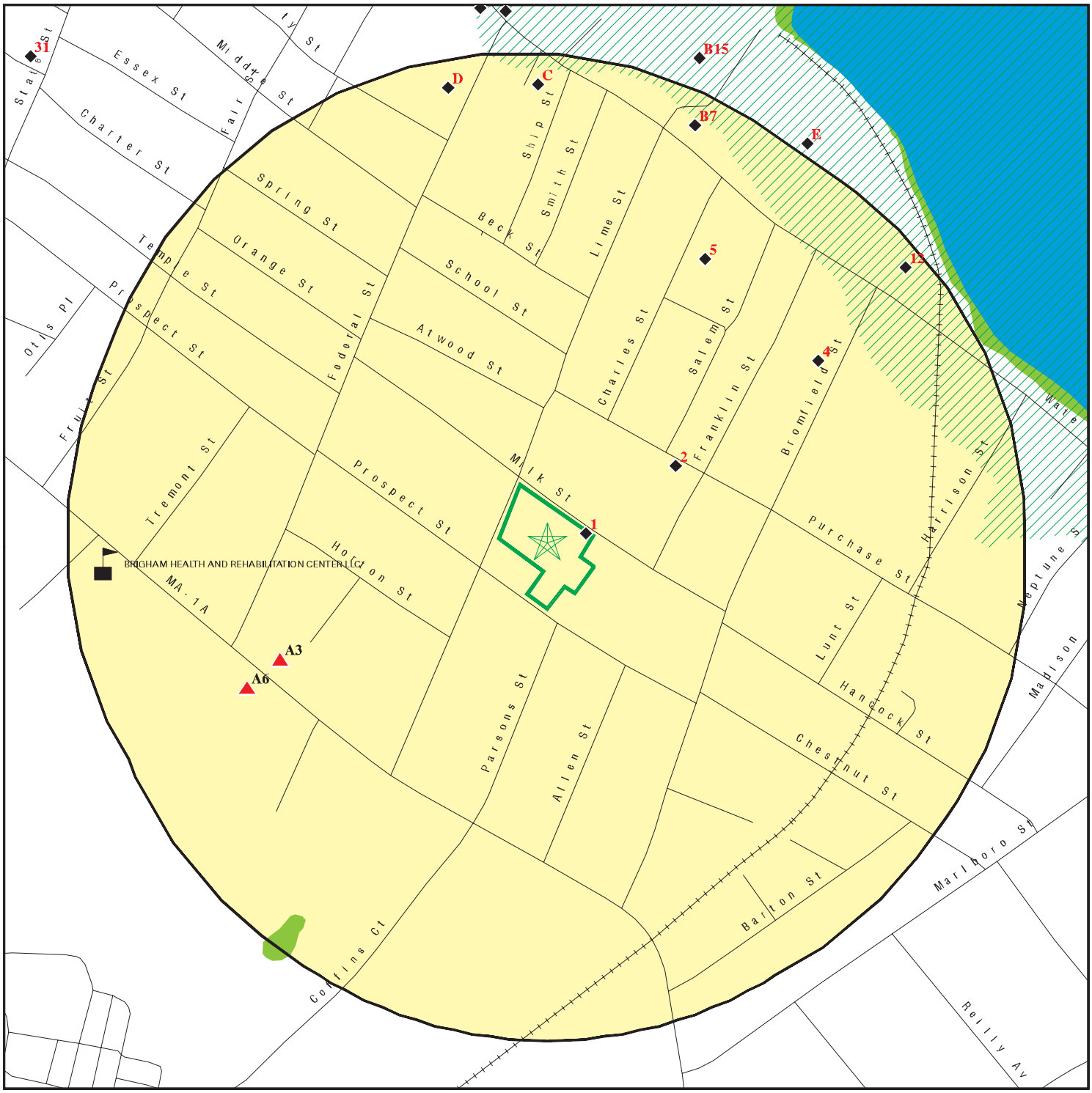
DETAIL MAP - 6324032.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Brown School	CLIENT:	Credere Associates
ADDRESS:	42 Milk Street Newburyport MA 01950	CONTACT:	Moira Wentworth
		INQUIRY #:	6324032.2s
LAT/LONG:	42.805934 / 70.864605	DATE:	January 07, 2021 4:42 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	4	NR	NR	4
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	1	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
MA SHWS	1.000		1	2	20	31	NR	54
State and tribal landfill and/or solid waste disposal site lists								
MA SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
MA LUST	0.500		0	1	6	NR	NR	7
MA LAST	0.500		0	1	2	NR	NR	3
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MA UST	0.250		0	1	NR	NR	NR	1
MA AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
MA INST CONTROL	0.500		0	0	6	NR	NR	6
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
MA BROWNFIELDS	0.500		0	0	1	NR	NR	1
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	1	NR	NR	1
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
MA PFAS	0.500		0	0	0	NR	NR	0
Local Land Records								
MA LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
MA RELEASE	TP		NR	NR	NR	NR	NR	0
MA SPILLS	TP		NR	NR	NR	NR	NR	0
MA SPILLS 90	TP		NR	NR	NR	NR	NR	0
MA SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	4	NR	NR	NR	4
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
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	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	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	0
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
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
MA AIRS	TP		NR	NR	NR	NR	NR	0
MA ASBESTOS	TP		NR	NR	NR	NR	NR	0
MA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
MA ENF	TP		NR	NR	NR	NR	NR	0
MA Financial Assurance	TP		NR	NR	NR	NR	NR	0
MA GWDP	TP		NR	NR	NR	NR	NR	0
MA HW GEN	0.250		0	0	NR	NR	NR	0
RI MANIFEST	0.250		0	0	NR	NR	NR	0
NY MANIFEST	0.250		0	2	NR	NR	NR	2
MA MERCURY	0.500		0	0	0	NR	NR	0
MA NPDES	TP		NR	NR	NR	NR	NR	0
MA TIER 2	TP		NR	NR	NR	NR	NR	0
MA TSD	0.500		0	0	0	NR	NR	0
MA UIC	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	1	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
MA RGA HWS	TP		NR	NR	NR	NR	NR	0
MA RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	2	11	40	33	0	86

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 **BROWN SCHOOL** **MA SHWS** **S105043426**
40 MILK ST **MA RELEASE** **N/A**
< 1/8 **NEWBURYPORT, MA 01950**
1 ft.

Relative: Lower

Actual: 32 ft.

SHWS:

Name:	BROWN SCHOOL
Address:	40 MILK ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0020517
Source Type:	PIPE
Release Town:	NEWBURYPORT
Notification Date:	03/26/2001
Category:	TWO HR
Associated ID:	Not reported
Current Status:	RAO
Status Date:	12/03/2001
Phase:	Not reported
Response Action Outcome:	A2
Oil Or Haz Material:	Oil

Name:	BROWN SCHOOL
Address:	40 MILK ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0020517
Source Type:	GAUGE
Release Town:	NEWBURYPORT
Notification Date:	03/26/2001
Category:	TWO HR
Associated ID:	Not reported
Current Status:	RAO
Status Date:	12/03/2001
Phase:	Not reported
Response Action Outcome:	A2
Oil Or Haz Material:	Oil

Release:

Name:	BROWN SCHOOL
Address:	40 MILK ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0020517 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	03/26/2001
Category:	TWO HR
Status Date:	12/03/2001
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type:	Oil

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

Actions:

Action Type:	Response Action Outcome - RAO
Action Status:	Fee Received - FMCRA Use Only
Action Date:	12/11/2001
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been

BROWN SCHOOL (Continued) **S105043426**

reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 12/3/2001
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: 12/3/2001
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: 3/26/2001
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: 3/26/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/10/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 5/25/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 6/1/2001
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: 7/27/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 8/8/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

BROWN SCHOOL (Continued) **S105043426**

Chemicals:
Chemical: #2 FUEL OIL
Quantity: 40 gallons
Chemical: FUEL OIL #2
Quantity: Not reported
Location Type: SCHOOL
Source: PIPE
Source: GAUGE

---

2 **HOWARD CLEANERS** **EDR Hist Cleaner** **1020007061**
ENE **22 PURCHASE ST** **N/A**
< 1/8 **NEWBURYPORT, MA 01950**
0.062 mi.
330 ft.

Relative: EDR Hist Cleaner
Lower

Actual:
28 ft.

Year:	Name:	Type:
1969	HOWARD CLEANERS	Drycleaning Plants, Except Rugs
1970	HOWARD CLEANERS	Drycleaning Plants, Except Rugs
1971	HOWARD CLEANERS	Drycleaning Plants, Except Rugs
1972	HOWARD CLEANERS	Drycleaning Plants, Except Rugs
1973	HOWARD CLEANERS	Drycleaning Plants, Except Rugs
1974	HOWARD CLEANERS	Drycleaning Plants, Except Rugs
1975	HOWARD CLEANERS	Drycleaning Plants, Except Rugs
1976	HOWARD CLEANERS	Drycleaning Plants, Except Rugs
1977	HOWARD CLEANERS	Drycleaning Plants, Except Rugs
1978	HOWARD CLEANERS	Drycleaning Plants, Except Rugs
1979	HOWARD CLEANERS	Drycleaning Plants, Except Rugs
1980	HOWARD CLEANERS	Drycleaning Plants, Except Rugs
1982	HOWARD CLEANERS	Drycleaning Plants, Except Rugs
1983	HOWARD CLEANERS	Drycleaning Plants, Except Rugs

A3 **NO LOCATION AID** **MA LUST** **S108034510**
WSW **74 HIGH ST** **MA RELEASE** **N/A**
1/8-1/4 **NEWBURYPORT, MA**
0.144 mi.
762 ft. **Site 1 of 2 in cluster A**

Relative: LUST:
Higher

Actual: Facility:
45 ft.
Name: NO LOCATION AID
Address: 74 HIGH ST
City,State,Zip: NEWBURYPORT, MA
Current Status: **NEWBURYPORT, MA**
Release Tracking Number/Current Status: 3-0025903 / RAO
Status Date: 08/28/2006
Source Type: UST
Release Town: NEWBURYPORT
Notification Date: 05/15/2006
Category: TWO HR
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

NO LOCATION AID (Continued) **S108034510**

Oil Or Haz Material: Oil

Location Type: RESIDNTIAL
Source: UST

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

Chemicals:
Chemical: #2 FUEL OIL
Quantity: Not reported
Chemical: #2 FUEL OIL
Quantity: 1000 gallons

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/15/2006
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: 5/15/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/6/2006
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: 8/28/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/28/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 8/28/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release:
Name: NO LOCATION AID
Address: 74 HIGH ST
City,State,Zip: NEWBURYPORT, MA

NO LOCATION AID (Continued) **S108034510**

Release Tracking Number/Current Status: 3-0025903 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 05/15/2006
Category: TWO HR
Status Date: 08/28/2006
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:

Actions:

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/15/2006
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: 5/15/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/6/2006
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: 8/28/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/28/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 8/28/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:

Chemical: #2 FUEL OIL
Quantity: Not reported
Chemical: #2 FUEL OIL
Quantity: 1000 gallons
Location Type: RESIDNTIAL

NO LOCATION AID (Continued) **S108034510**

Source: UST

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4 **RESIDENTIAL PROPERTY** **MA LAST** **S107405706**
ENE **18 BROMFIELD ST** **MA RELEASE** **N/A**
1/8-1/4 **NEWBURYPORT, MA 01950**
0.165 mi.
870 ft.

Relative: **Lower**
Actual: **17 ft.**

LAST:

Name:	RESIDENTIAL PROPERTY
Address:	18 BROMFIELD ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0025011 / RAO
Source Type:	AST
Release Town:	NEWBURYPORT
Notification Date:	07/05/2005
Category:	TWO HR
Associated ID:	Not reported
Status Date:	09/12/2005
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

Chemicals:

Chemical:	FUEL OIL #2
Quantity:	10 gallons
Chemical:	#2 FUEL OIL
Quantity:	Not reported
Location Type:	MUNICIPAL
Source:	AST

Actions:

Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	7/5/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RLFA
Action Status:	FLDDO
Action Date:	7/5/2005
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:	7/5/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	7/6/2005
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.

RESIDENTIAL PROPERTY (Continued) **S107405706**

Action Date:	8/1/2005
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:	8/1/2007
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	8/1/2008
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	8/1/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	9/12/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	9/9/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Release:

Name:	RESIDENTIAL PROPERTY
Address:	18 BROMFIELD ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0025011 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	07/05/2005
Category:	TWO HR
Status Date:	09/12/2005
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:

Actions:

Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	7/5/2005

RESIDENTIAL PROPERTY (Continued) **S107405706**

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

Action Type: RLFA
Action Status: FLDDO
Action Date: 7/5/2005
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: 7/5/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/6/2005
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: 8/1/2005
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: 8/1/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/1/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/1/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 9/12/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 9/9/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

RESIDENTIAL PROPERTY (Continued) **S107405706**

Chemicals:
Chemical: FUEL OIL #2
Quantity: 10 gallons
Chemical: #2 FUEL OIL
Quantity: Not reported
Location Type: MUNICIPAL
Source: AST

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5 **FORMER JAMES STEAM MILL** **MA SHWS** **S110303448**
NNE **1 CHARLES ST** **MA RELEASE** **N/A**
1/8-1/4 **NEWBURYPORT, MA 01950** **MA ENF**
0.168 mi.
887 ft.

Relative:
Lower

Actual:
16 ft.

SHWS:
Name: FORMER JAMES STEAM MILL
Address: 1 CHARLES ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0029304
Source Type: UNKNOWN
Release Town: NEWBURYPORT
Notification Date: 05/28/2010
Category: 72 HR
Associated ID: Not reported
Current Status: PSNC
Status Date: 08/23/2016
Phase: PHASE IV
Response Action Outcome: PN
Oil Or Haz Material: Not reported

Name: FORMER JAMES STEAM MILL
Address: 1 CHARLES ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0029430
Source Type: UNKNOWN
Release Town: NEWBURYPORT
Notification Date: 08/05/2010
Category: 120 DY
Associated ID: 3-0029430
Current Status: TIERII
Status Date: 08/12/2011
Phase: PHASE IV
Response Action Outcome: Not reported
Oil Or Haz Material: Oil and Hazardous Material

Name: 1 CHARLES STREET
Address: 1 CHARLES STREET
City,State,Zip: NEWBURYPORT, MA
Facility ID: 3-0030316
Source Type: UNKNOWN
Release Town: NEWBURYPORT
Notification Date: 09/22/2011
Category: 72 HR
Associated ID: Not reported
Current Status: RAONR
Status Date: 02/17/2012
Phase: Not reported

FORMER JAMES STEAM MILL (Continued) **S110303448**

Response Action Outcome: Not reported
Oil Or Haz Material: Hazardous Material

Release:
Name: FORMER JAMES STEAM MILL
Address: 1 CHARLES ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0029304 / PSNC
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 05/28/2010
Category: 72 HR
Status Date: 08/23/2016
Phase: PHASE IV
Response Action Outcome: PN - PN
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 1/8/2013
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 10/1/2010
Response Action Outcome: PN

Action Type: Compliance and Enforcement Action
Action Status: Amendment Received or Issued
Action Date: 10/20/2016
Response Action Outcome: PN

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 3/10/2011
Response Action Outcome: PN

Action Type: Phase 4
Action Status: RMRINI
Action Date: 3/4/2016
Response Action Outcome: PN

Action Type: Phase 4
Action Status: Status or Interim Report Received
Action Date: 3/4/2016
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/1/2011
Response Action Outcome: PN

Action Type: Release Abatement Measure

FORMER JAMES STEAM MILL (Continued) **S110303448**

Action Status:	Status or Interim Report Received
Action Date:	4/10/2012
Response Action Outcome:	PN
Action Type:	Compliance and Enforcement Action
Action Status:	ACOP
Action Date:	4/3/2015
Response Action Outcome:	PN
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	5/28/2010
Response Action Outcome:	PN
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	5/28/2010
Response Action Outcome:	PN
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	6/10/2014
Response Action Outcome:	PN
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	6/27/2011
Response Action Outcome:	PN
Action Type:	Release Abatement Measure
Action Status:	Written Plan Received
Action Date:	6/3/2011
Response Action Outcome:	PN
Action Type:	Immediate Response Action
Action Status:	Completion Statement Received
Action Date:	6/3/2011
Response Action Outcome:	PN
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	6/3/2011
Response Action Outcome:	PN
Action Type:	Phase 2
Action Status:	Scope of Work Received
Action Date:	6/3/2011
Response Action Outcome:	PN
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	6/3/2011
Response Action Outcome:	PN
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	6/3/2011

FORMER JAMES STEAM MILL (Continued) **S110303448**

Response Action Outcome: PN

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 6/6/2011
Response Action Outcome: PN

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/26/2010
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 7/26/2010
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/26/2010
Response Action Outcome: PN

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/26/2010
Response Action Outcome: PN

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: 7/6/2010
Response Action Outcome: PN

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 8/12/2013
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 8/2/2010
Response Action Outcome: PN

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 8/23/2016
Response Action Outcome: PN

Action Type: Tier Classification
Action Status: TCEXT
Action Date: 8/3/2016
Response Action Outcome: PN

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 8/31/2015
Response Action Outcome: PN

FORMER JAMES STEAM MILL (Continued) **S110303448**

Action Type:	Phase 2
Action Status:	Completion Statement Received
Action Date:	8/31/2015
Response Action Outcome:	PN
Action Type:	Phase 4
Action Status:	Written Plan Received
Action Date:	8/31/2015
Response Action Outcome:	PN
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	9/30/2010
Response Action Outcome:	PN

Chemicals:

Chemical:	PETROLEUM (NOS)
Quantity:	4 inches
Chemical:	HYDRAULIC OIL
Quantity:	3.24 inches
Location Type:	RESIDNTIAL
Location Type:	COMMERCIAL
Source:	UNKNOWN
Name:	FORMER JAMES STEAM MILL
Address:	1 CHARLES ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0029430 / TIERII
Primary ID:	3-0029430
Official City:	NEWBURYPORT
Notification:	08/05/2010
Category:	120 DY
Status Date:	08/12/2011
Phase:	PHASE IV
Response Action Outcome:	-
Oil / Haz Material Type:	Oil and Hazardous Material

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

Actions:

Action Type:	Partial RAO for this RTN
Action Status:	Level I - Technical Screen Audit
Action Date:	1/15/2014
Response Action Outcome:	Not reported
Action Type:	Release Abatement Measure
Action Status:	Written Denial of Plan
Action Date:	1/25/2011
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	1/25/2011
Response Action Outcome:	Not reported
Action Type:	Release Abatement Measure

FORMER JAMES STEAM MILL (Continued) **S110303448**

Action Status: Level I - Technical Screen Audit
Action Date: 1/3/2011
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 12/21/2010
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only
Action Date: 12/24/2010
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 2/17/2012
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNREV
Action Date: 4/20/2018
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 6/7/2011
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 8/12/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/12/2011
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 8/12/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 8/12/2011
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 8/12/2013
Response Action Outcome: Not reported

Action Type: Partial RAO for this RTN
Action Status: RAO Statement Received
Action Date: 8/12/2013

FORMER JAMES STEAM MILL (Continued) **S110303448**

Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 8/12/2013
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/5/2010
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/5/2010
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 9/14/2010
Response Action Outcome: Not reported

Chemicals:
Chemical: TOTAL PETROLEUM HYDROCARBONS
Quantity: 18800 milligrams per kilogram
Chemical: C19 THRU C36 ALIPHATIC HYDROCARBONS
Quantity: 14400 milligrams per kilogram
Chemical: ARSENIC
Quantity: 36.1 milligrams per kilogram
Chemical: LEAD
Quantity: 0.0133 milligrams per liter
Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Quantity: 4360 milligrams per kilogram
Chemical: BENZO[A]PYRENE
Quantity: 5 milligrams per kilogram
Chemical: TRICHLOROETHENE
Quantity: 62.3 micrograms per liter
Location Type: UNKNOWN
Source: UNKNOWN

Name: 1 CHARLES STREET
Address: 1 CHARLES STREET
City,State,Zip: NEWBURYPORT, MA
Release Tracking Number/Current Status: 3-0030316 / RAONR
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 09/22/2011
Category: 72 HR
Status Date: 02/17/2012
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:

FORMER JAMES STEAM MILL (Continued) **S110303448**

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 11/21/2011
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/30/2011
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 11/30/2011
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/2/2011
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/2/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 2/17/2012
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 2/17/2012
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 2/17/2012
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 7/24/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 8/12/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/12/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: IRA Assessment Only

FORMER JAMES STEAM MILL (Continued) **S110303448**

Action Date: 9/22/2011
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/22/2011
Response Action Outcome: Not reported

Chemicals:
Chemical: TRICHLOROETHYLENE
Quantity: 51.2 parts per million
Chemical: TRICHLOROETHYLENE
Quantity: 51.2 micrograms per liter
Location Type: COMMERCIAL
Location Type: RESIDNTIAL
Source: UNKNOWN

ENFORCEMENT:
Name: JSM MANAGEMENT CO., LLC
Address: 1 CHARLES ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Region: NERO
DEP Region: NERO
DEP Program: 3r
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0029304
High Or Low Level Enforcement: LLE
FMF #: 0
Comptroller Billing Name: Not reported
Town Where Violation Occurred: NEWBURYPORT
Date Executed: 06/10/2014
ENF #: NON-NE-14-3R058
Document Type: NON
AG Ref (Y/N): Not reported
Doc Archived (Y/N): Not reported
EJ Community (Y/N): NO
Regional Comment: Not reported
Final Payment Due Date: Not reported
ACOP $: Not reported
PAN $: Not reported
EMS (Y/N): Not reported
EMS$: Not reported
SEP (Y/N): Not reported
SEP $: Not reported
Demand $: Not reported
Suspended $: Not reported
Ownership: Commercially Owned

Name: JSM MANAGEMENT COMPANY, LLC
Address: 1 CHARLES STREET
City,State,Zip: NEWBURYPORT, MA
Region: NERO
DEP Region: NERO
DEP Program: 3c
DEP Bureau: BWSC

FORMER JAMES STEAM MILL (Continued) **S110303448**

Program:	BWSC
Program Id:	3-0030316
High Or Low Level Enforcement:	LLE
FMF #:	0
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	11/30/2011
ENF #:	Faux Enf- 1055
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	NO
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

Name:	JSM MANAGEMENT CO., LLC
Address:	1 CHARLES ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Region:	NERO
DEP Region:	NERO
DEP Program:	3r
DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0029304
High Or Low Level Enforcement:	HLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	NEWBURYPORT
Date Executed:	10/20/2016
ENF #:	00000056
Document Type:	AMEND
AG Ref (Y/N):	NO
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	NO
Regional Comment:	ACOP-NE-15-3R004-AMEND
Final Payment Due Date:	11/20/2016
ACOP $:	1000
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	27000
Ownership:	Commercially Owned

Name:	JAMES MILL COMPANY LIMITED PARTNERSHIP
Address:	1 CHARLES ST

FORMER JAMES STEAM MILL (Continued) **S110303448**

City,State,Zip:	NEWBURYPORT, MA 01950-0000
Region:	NERO
DEP Region:	NERO
DEP Program:	3r
DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0029430
High Or Low Level Enforcement:	LLE
FMF #:	0
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	01/25/2011
ENF #:	Faux Enf- 1021
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	NO
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

Name:	JSM MANAGEMENT CO LLC
Address:	1 CHARLES ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Region:	NERO
DEP Region:	NERO
DEP Program:	3r
DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0029304
High Or Low Level Enforcement:	HLE
FMF #:	0
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	NEWBURYPORT
Date Executed:	04/03/2015
ENF #:	ACOP-NE-15-3R004
Document Type:	ACOP
AG Ref (Y/N):	NO
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	NO
Regional Comment:	Not reported
Final Payment Due Date:	05/15/2015
ACOP $:	2000
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported

FORMER JAMES STEAM MILL (Continued) **S110303448**

Suspended $: 28000
Ownership: Commercially Owned

A6 **NO LOCATION AID** **MA SHWS** **S107678275**
WSW **63 HIGH ST** **MA RELEASE** **N/A**
1/8-1/4 **NEWBURYPORT, MA 01950** **MA UIC**
0.169 mi.
893 ft. **Site 2 of 2 in cluster A**

Relative:
Higher

Actual:
49 ft.

SHWS:
Name: NO LOCATION AID
Address: 63 HIGH ST
City,State,Zip: NEWBURYPORT, MA 01950-3058
Facility ID: 3-0025459
Source Type: PIPE
Release Town: NEWBURYPORT
Notification Date: 12/03/2005
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 12/15/2008
Phase: PHASE II
Response Action Outcome: A2
Oil Or Haz Material: Oil

Release:
Name: NO LOCATION AID
Address: 63 HIGH ST
City,State,Zip: NEWBURYPORT, MA 01950-3058
Release Tracking Number/Current Status: 3-0025459 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 12/03/2005
Category: TWO HR
Status Date: 12/15/2008
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:

Actions:
Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 1/22/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/25/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

NO LOCATION AID (Continued) **S107678275**

Action Date: 1/27/2006
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: 1/27/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 1/31/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/10/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: RMRINI
Action Date: 10/10/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: RMRINT
Action Date: 10/5/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/5/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 11/6/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/15/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 12/22/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

NO LOCATION AID (Continued) **S107678275**

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/22/2005
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: 12/3/2005
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: 12/3/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 12/3/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 12/3/2005
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: 12/8/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 12/8/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 12/8/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/8/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 2/6/2006

NO LOCATION AID (Continued) **S107678275**

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

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 3/31/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/18/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/9/2007
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: 4/9/2007
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: 4/9/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/9/2008
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: 7/11/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 8/10/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/21/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

NO LOCATION AID (Continued) **S107678275**

Action Type:	Immediate Response Action
Action Status:	RMRFIN
Action Date:	8/26/2008
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Completion Statement Received
Action Date:	8/26/2008
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	8/27/2008
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:

Chemical:	FUEL OIL #2
Quantity:	10 gallons
Chemical:	#2 FUEL OIL
Quantity:	Not reported
Chemical:	#2 FUEL OIL
Quantity:	11 gallons
Location Type:	RESIDNTIAL
Source:	PIPE

UIC:

RTN Number:	Not reported
Name:	Not reported
Address:	63 HIGH STREET
City,State,Zip:	NEWBURYPORT, MA
Permit Date:	Not reported
Actor Name:	Not reported
Air Sparging:	Not reported
Injection Well:	Not reported
ReInjection Well:	Not reported
UIC APL Type:	Not reported
Latitude:	0
Well Status:	Not reported
Longitude:	0
UIC ID:	Not reported
EPA Code:	Not reported
Indicates Area:	Not reported
Number of Wells:	Not reported
Owner:	Not reported
Receive Date:	Not reported
Authorization to Install/Close Date:	Not reported
Confirmation of Install Receive:	Not reported
Post-Closure Receive:	Not reported
Final Approval Date:	Not reported
Permit Number:	Not reported
Permit Type:	Not reported
Permit Type Description:	Not reported
Program:	Not reported

NO LOCATION AID (Continued) **S107678275**

Applicant Name:	Not reported
Decision Date:	Not reported
Operator Name:	Not reported
Well ID:	145033
Well Type Name:	Injection
Max Well Depth:	30.00
Date Complete:	2006-03-30 00:00:00
Work Performed:	New Well
Depth to Bedrock:	0.00
Water Level:	20.00

B7 **AMERICAN YACHT CLUB** **MA UST** **U002007003**
NNE **119R WATER ST** **N/A**
1/8-1/4 **NEWBURYPORT, MA 01950**
0.231 mi.
1220 ft. **Site 1 of 2 in cluster B**

Relative:
Lower

Actual:
9 ft.

UST:

Facility:

Name:	AMERICAN YACHT CLUB
Address:	119R WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950
Facility ID:	40684
Owner Id:	8163
Owner:	AMERICAN YACHT CLUB
Owner Address:	119R WATER ST
Owner City,St,Zip:	NEWBURYPORT, MA 01950
Telephone:	Not reported
Description:	Not reported
Facility address 2:	Not reported
Owner address 2:	Not reported
Latitude:	42.80939
Longitude:	-70.86295
Contact name:	Not reported
Contact address1:	Not reported
Contact address2:	Not reported
Contact city:	Not reported
Contact state:	Not reported
Contact zip:	Not reported
Contact email:	Not reported
Update:	1993-05-17 00:00:00
Update by:	Not reported
Fac status:	CLOSED

Tank ID:	1
Tank Status:	**Tank Removed**
Status Date:	05/05/1990
Date Installed:	01/01/1971
Capacity:	1000.00000
Contents:	Gasoline
Tank Usage:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Tank construct:	Not reported

AMERICAN YACHT CLUB (Continued) **U002007003**

Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

C8 **MASSACHUSETTS ELECTRIC COMPANY** **NY MANIFEST** **S119069609**
North **78 WATER STREET** **N/A**
1/8-1/4 **NEWBURYPORT, MA 01950**
0.232 mi.
1223 ft. **Site 1 of 3 in cluster C**

Relative:
Lower

Actual:
14 ft.

NY MANIFEST:
Name: MASSACHUSETTS ELECTRIC COMPANY
Address: 78 WATER STREET
City,State,Zip: NEWBURYPORT, MA 01950-0000
Country: USA
EPA ID: MAD980731582
Facility Status: Not reported
Location Address 1: 78 WATER ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEWBURYPORT
Location State: MA
Location Zip: 01950
Location Zip 4: Not reported

NY MANIFEST:
EPAID: MAD980731582
Mailing Name: MASSACHUSETTS ELECTRIC COMPANY
Mailing Contact: NATIONAL GRID
Mailing Address 1: 939 SOUTHBRIDGE STREET
Mailing Address 2: Not reported
Mailing City: WORCHESTER
Mailing State: MA
Mailing Zip: 01610
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 5088606484

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported

MASSACHUSETTS ELECTRIC COMPANY (Continued) **S119069609**

Year:	Not reported
Trans1 State ID:	FLD092718576
Trans2 State ID:	Not reported
Generator Ship Date:	08/30/2011
Trans1 Recv Date:	08/30/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/31/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	MAD980731582
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049836679
TSDF ID 2:	Not reported
Manifest Tracking Number:	007851978JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	Y
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H132
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	3465
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	B007
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

C9 **MASSACHUSETTS ELECTRIC COMPANY** **RCRA NonGen / NLR** **1000204132**
North **87 WATER ST** **MAD980731582**
1/8-1/4 **NEWBURYPORT, MA 01950**
0.232 mi.
1223 ft. **Site 2 of 3 in cluster C**

Relative: RCRA NonGen / NLR:
Lower

Date Form Received by Agency:	2009-08-28 00:00:00.0
Handler Name:	MASSACHUSETTS ELECTRIC COMPANY
Handler Address:	87 WATER ST
Handler City,State,Zip:	NEWBURYPORT, MA 01950
EPA ID:	MAD980731582

Actual:
14 ft.

MASSACHUSETTS ELECTRIC COMPANY (Continued) **1000204132**

Contact Name:	JOSEPH CALLANAN
Contact Address:	MASSACHUSETTS ELECTRIC COMPANY
Contact City,State,Zip:	WALTHAM, MA 02451-1120
Contact Telephone:	781-907-3639
Contact Fax:	Not reported
Contact Email:	JOSEPH.CALLANAN@US.NGRID.COM
Contact Title:	Not reported
EPA Region:	01
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	State-specific Activities
State District Owner:	MA
State District:	N
Mailing Address:	MASSACHUSETTS ELECTRIC COMPANY
Mailing City,State,Zip:	WALTHAM, MA 02451-1120
Owner Name:	MASSACHUSETTS ELECTRIC COMPANY
Owner Type:	Private
Operator Name:	MASSACHUSETTS ELECTRIC COMPANY
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	--Y
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

MASSACHUSETTS ELECTRIC COMPANY (Continued) **1000204132**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2017-10-20 14:13:52.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MASSACHUSETTS ELECTRIC COMPANY
Legal Status:	Private
Date Became Current:	1961-01-19 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	MASSACHUSETTS ELECTRIC COMPANY
Owner/Operator City,State,Zip:	WALTHAM, MA 02451-1120
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MASSACHUSETTS ELECTRIC COMPANY
Legal Status:	Private
Date Became Current:	1961-01-19 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	MASSACHUSETTS ELECTRIC COMPANY
Owner/Operator City,State,Zip:	WALTHAM, MA 02451-1120
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MASSACHUSETTS ELECTRIC COMPANY
Legal Status:	Private
Date Became Current:	1961-01-19 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	MASSACHUSETTS ELECTRIC COMPANY
Owner/Operator City,State,Zip:	WALTHAM, MA 02451-1120
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

MASSACHUSETTS ELECTRIC COMPANY (Continued) **1000204132**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NEW ENGLAND POWER COMPANY
Legal Status: Private
Date Became Current: 1991-12-08 00:00:00.
Date Ended Current: 1999-03-01 00:00:00.
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NEW ENGLAND POWER COMPANY
Legal Status: Private
Date Became Current: 1991-12-08 00:00:00.
Date Ended Current: 1999-03-01 00:00:00.
Owner/Operator Address: 24 FORT AVE
Owner/Operator City,State,Zip: SALEM, MA 01970
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MASSACHUSETTS ELECTRIC COMPANY
Legal Status: Private
Date Became Current: 1961-01-19 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: MASSACHUSETTS ELECTRIC COMPANY
Owner/Operator City,State,Zip: WALTHAM, MA 02451-1120
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1982-09-24 00:00:00.0
Handler Name: MASSACHUSETTS ELECTRIC COMPANY
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1999-06-25 00:00:00.0
Handler Name: MASSACHUSETTS ELECTRIC COMPANY
Federal Waste Generator Description: Not a generator, verified
State District Owner: MA
Large Quantity Handler of Universal Waste: No

MASSACHUSETTS ELECTRIC COMPANY (Continued) **1000204132**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2009-08-28 00:00:00.0
Handler Name: MASSACHUSETTS ELECTRIC COMPANY
Federal Waste Generator Description: Not a generator, verified
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2009-08-28 00:00:00.0
Handler Name: MASSACHUSETTS ELECTRIC COMPANY
Federal Waste Generator Description: Not a generator, verified
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1990-03-01 00:00:00.0
Handler Name: MASSACHUSETTS ELECTRIC COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2000-02-24 00:00:00.0
Handler Name: MASS. ELECTRIC CO, NEWBURYPORT SAT. OFF.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

MASSACHUSETTS ELECTRIC COMPANY (Continued) **1000204132**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 2211
NAICS Description: ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION

NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported

MASSACHUSETTS ELECTRIC COMPANY (Continued) **1000204132**

Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

MASSACHUSETTS ELECTRIC COMPANY (Continued) **1000204132**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	1994-06-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DPLMA
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1989-03-31 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R1DB
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1993-04-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R1KAA
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

D10 **CALYPSO EXCURSIONS** **RCRA NonGen / NLR** **1000441957**
NNW **12 FEDERAL ST** **MAD981896806**
1/8-1/4 **NEWBURYPORT, MA 01950**
0.233 mi.
1232 ft. **Site 1 of 2 in cluster D**

Relative: **Lower**

Actual: **18 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		1986-11-17 00:00:00.0
Handler Name:	CALYPSO EXCURSIONS	
Handler Address:		12 FEDERAL ST
Handler City,State,Zip:		NEWBURYPORT, MA 01950
EPA ID:		MAD981896806
Contact Name:		THOMAS HORTON
Contact Address:		12 FEDERAL ST
Contact City,State,Zip:		NEWBURYPORT, MA 01950
Contact Telephone:		508-465-8115
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		01
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		MA
State District:		N
Mailing Address:		12 FEDERAL ST
Mailing City,State,Zip:		NEWBURYPORT, MA 01950
Owner Name:		TOM HORTON
Owner Type:		Private
Operator Name:		CALYPSO EXCURSIONS
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CALYPSO EXCURSIONS (Continued) **1000441957**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2017-10-20 14:15:22.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TOM HORTON
Legal Status:	Private
Date Became Current:	2004-10-16 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	12 FEDERAL ST
Owner/Operator City,State,Zip:	NEWBURYPORT, MA 01950
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CALYPSO EXCURSIONS
Legal Status:	Private
Date Became Current:	1990-03-01 00:00:00.
Date Ended Current:	1991-06-03 00:00:00.
Owner/Operator Address:	12 FEDERAL ST
Owner/Operator City,State,Zip:	NEWBURYPORT, MA 01950

CALYPSO EXCURSIONS (Continued) **1000441957**

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1986-11-17 00:00:00.0
Handler Name: CALYPSO EXCURSIONS
Federal Waste Generator Description: Not a generator, verified
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D11 **NEWBURYPORT TANNING CO INC** **RCRA NonGen / NLR** **1000165285**
NNW **12 FEDERAL ST** **FINDS** **MAD019602994**
1/8-1/4 **NEWBURYPORT, MA 01950** **ECHO**
0.233 mi.
1232 ft. **Site 2 of 2 in cluster D**

Relative:
Lower

Actual:
18 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 1980-08-14 00:00:00.0
Handler Name: NEWBURYPORT TANNING CO INC
Handler Address: 12 FEDERAL ST
Handler City,State,Zip: NEWBURYPORT, MA 01950
EPA ID: MAD019602994
Contact Name: FRANK THORNTON
Contact Address: PO BOX 706
Contact City,State,Zip: NEWBURYPORT, MA 01950
Contact Telephone: 508-465-5333
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 01
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: MA

NEWBURYPORT TANNING CO INC (Continued) **1000165285**

State District:	N
Mailing Address:	PO BOX 706
Mailing City,State,Zip:	NEWBURYPORT, MA 01950
Owner Name:	NEWBURYPORT TANNING CO INC
Owner Type:	Private
Operator Name:	NEWBURYPORT TANNING CO INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2017-10-20 14:10:44.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

NEWBURYPORT TANNING CO INC (Continued) **1000165285**

Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: Not reported

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: NEWBURYPORT TANNING CO INC
Legal Status: Private
Date Became Current: 1990-03-01 00:00:00.
Date Ended Current: 1991-06-03 00:00:00.
Owner/Operator Address: PO BOX 706
Owner/Operator City,State,Zip: NEWBURYPORT, MA 01950
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NEWBURYPORT TANNING CO INC
Legal Status: Private
Date Became Current: 2004-10-16 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 706
Owner/Operator City,State,Zip: NEWBURYPORT, MA 01950
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1980-08-14 00:00:00.0
Handler Name: NEWBURYPORT TANNING CO INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NEWBURYPORT TANNING CO INC (Continued) **1000165285**

FINDS:
Registry ID: 110006815054

Click Here:

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
Registry ID: 110009586821

Click Here:

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

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000165285
Registry ID:	110006815054
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110006815054
Name:	CALYPSO EXCURSIONS
Address:	12 FEDERAL ST
City,State,Zip:	NEWBURYPORT, MA 01950

Envid:	1000165285
Registry ID:	110009586821
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009586821
Name:	NEWBURYPORT TANNING CO INC
Address:	12 FEDERAL ST
City,State,Zip:	NEWBURYPORT, MA 01950

12
NE
1/8-1/4
0.238 mi.
1257 ft.

NEWBURYPORT FIBERGLASS SUPPLY INC
177 WATER ST
NEWBURYPORT, MA 01950

RCRA NonGen / NLR **1000165288**
FINDS **MAD062165832**
ECHO
NY MANIFEST

Relative: Lower

Actual: 5 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	1984-06-25 00:00:00.0
Handler Name:	NEWBURYPORT FIBERGLASS SUPPLY INC
Handler Address:	177 WATER ST
Handler City,State,Zip:	NEWBURYPORT, MA 01950
EPA ID:	MAD062165832
Contact Name:	LENNY CHAISSON

NEWBURYPORT FIBERGLASS SUPPLY INC (Continued) **1000165288**

Contact Address:	177 WATER ST
Contact City,State,Zip:	NEWBURYPORT, MA 01950
Contact Telephone:	508-462-8282
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	01
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	MA
State District:	N
Mailing Address:	177 WATER ST
Mailing City,State,Zip:	NEWBURYPORT, MA 01950
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

NEWBURYPORT FIBERGLASS SUPPLY INC (Continued) **1000165288**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2017-10-20 14:12:04.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	F003
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F005
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historic Generators:

Receive Date:	1984-06-25 00:00:00.0
Handler Name:	NEWBURYPORT FIBERGLASS SUPPLY INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	MA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

NEWBURYPORT FIBERGLASS SUPPLY INC (Continued) **1000165288**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110003439565

Click Here:

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

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000165288
Registry ID: 110003439565
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110003439565
Name: NEWBURYPORT FIBERGLASS SUPPLY
Address: 177 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950

NY MANIFEST:
Name: NEWBURYPORT FIBERGLASS SUPPLY
Address: 177 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950
Country: USA
EPA ID: MAD062165832
Facility Status: Not reported
Location Address 1: 177 WATER STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEWBURYPORT
Location State: MA
Location Zip: 01950
Location Zip 4: Not reported

NEWBURYPORT FIBERGLASS SUPPLY INC (Continued) **1000165288**

NY MANIFEST:

EPAID:	MAD062165832
Mailing Name:	NEWBURYPORT FIBERGLASS SUPPLY
Mailing Contact:	NEWBURYPORT FIBERGLASS SUPPLY
Mailing Address 1:	177 WATER STREET
Mailing Address 2:	Not reported
Mailing City:	NEWBURYPORT
Mailing State:	MA
Mailing Zip:	01950
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	6174628282

NY MANIFEST:

Document ID:	CTA0057157
Manifest Status:	K
seq:	Not reported
Year:	1985
Trans1 State ID:	MAAJ19605
Trans2 State ID:	Not reported
Generator Ship Date:	06/13/1985
Trans1 Recv Date:	06/13/1985
Trans2 Recv Date:	/ /
TSD Site Recv Date:	06/17/1985
Part A Recv Date:	09/11/1985
Part B Recv Date:	12/30/1985
Generator EPA ID:	MAD062165832
Trans1 EPA ID:	VAD980831580
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD080469935
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00095
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

E13 **SEWER DEPARTMENT** **MA SHWS** **S103812033**
NNE **157 WATER ST** **MA RELEASE** **N/A**
1/4-1/2 **NEWBURYPORT, MA 01950** **MA ASBESTOS**
0.257 mi.
1356 ft. **Site 1 of 2 in cluster E**

Relative: **Lower**
Actual: **8 ft.**

SHWS:

Name:	ADJACENT TO RAIL TRAIL
Address:	157 WATER STREET
City,State,Zip:	NEWBURYPORT, MA
Facility ID:	3-0034010
Source Type:	UNKNOWN
Release Town:	NEWBURYPORT
Notification Date:	01/25/2017
Category:	TWO HR
Associated ID:	Not reported
Current Status:	TIERII
Status Date:	02/12/2018
Phase:	PHASE II
Response Action Outcome:	Not reported
Oil Or Haz Material:	Hazardous Material

Name:	WASTEWATER TREATMENT PLANT
Address:	157 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0024483
Source Type:	Not reported
Release Town:	NEWBURYPORT
Notification Date:	12/10/2004
Category:	120 DY
Associated ID:	Not reported
Current Status:	RAO
Status Date:	12/01/2005
Phase:	Not reported
Response Action Outcome:	A2
Oil Or Haz Material:	Oil and Hazardous Material

Name:	NEWBURYPORT WWTF
Address:	157 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0030688
Source Type:	Not reported
Release Town:	NEWBURYPORT
Notification Date:	03/05/2012
Category:	120 DY
Associated ID:	Not reported
Current Status:	DPS
Status Date:	05/10/2012
Phase:	Not reported
Response Action Outcome:	Not reported
Oil Or Haz Material:	Hazardous Material

Name:	SEWER DEPARTMENT
Address:	157 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0017929
Source Type:	VALVE
Release Town:	NEWBURYPORT
Notification Date:	02/01/1999

SEWER DEPARTMENT (Continued) **S103812033**

Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 03/29/1999
Phase: Not reported
Response Action Outcome: A1
Oil Or Haz Material: Hazardous Material

Release:
Name: SEWER DEPARTMENT
Address: 157 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0017929 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 02/01/1999
Category: TWO HR
Status Date: 03/29/1999
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: Hazardous Material

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

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/1/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 2/1/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/2/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/29/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 3/29/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

SEWER DEPARTMENT (Continued) **S103812033**

Chemicals:

Chemical:	FERRIC CHLORIDE
Quantity:	600 gallons
Chemical:	FERRIC CHLORIDE
Quantity:	50 pounds
Location Type:	MUNICIPAL
Source:	VALVE
Name:	WASTEWATER TREATMENT PLANT
Address:	157 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0024483 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	12/10/2004
Category:	120 DY
Status Date:	12/01/2005
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 and Hazardous Material

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

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:	1/12/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	12/1/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	12/10/2004
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	12/10/2004
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:	12/5/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

SEWER DEPARTMENT (Continued) **S103812033**

Chemicals:
Chemical: TPH
Quantity: 419 milligrams per kilogram
Chemical: LEAD
Quantity: 423 milligrams per kilogram

Name: NEWBURYPORT WWTF
Address: 157 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0030688 / DPS
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 03/05/2012
Category: 120 DY
Status Date: 05/10/2012
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

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: 3/23/2012
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/5/2012
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/5/2012
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/5/2012
Response Action Outcome: Not reported

Action Type: Downgradient Property Status
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/10/2012
Response Action Outcome: Not reported

Action Type: Downgradient Property Status
Action Status: Level I - Technical Screen Audit
Action Date: 6/3/2014
Response Action Outcome: Not reported

Chemicals:
Chemical: LEAD
Quantity: 70.6 milligrams per liter
Chemical: TRICHLOROETHYLENE

SEWER DEPARTMENT (Continued) **S103812033**

Quantity: 162 milligrams per liter

Name: ADJACENT TO RAIL TRAIL
Address: 157 WATER STREET
City,State,Zip: NEWBURYPORT, MA
Release Tracking Number/Current Status: 3-0034010 / TIERII
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 01/25/2017
Category: TWO HR
Status Date: 02/12/2018
Phase: PHASE II
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 1/25/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 1/25/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 11/16/2018
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 11/27/2017
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 11/6/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 12/2/2019
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 2/12/2018
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 2/12/2018
Response Action Outcome: Not reported

SEWER DEPARTMENT (Continued) **S103812033**

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 2/12/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/12/2018
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/23/2017
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 2/23/2017
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: 2/24/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 3/27/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 3/27/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 3/28/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 5/21/2018
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 5/26/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 6/3/2019
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF

SEWER DEPARTMENT (Continued) **S103812033**

Action Date: 8/3/2018
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/15/2017
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 9/7/2018
Response Action Outcome: Not reported

Chemicals:
Chemical: POLYCHLORINATED BIPHENYLS (PCBS)
Quantity: 10 milligrams per kilogram
Location Type: MUNICIPAL
Source: UNKNOWN

ASBESTOS:
Name: NEWBURYPORT WASTE WATER TREATME
Address: 157 WATER STREET
City,State,Zip: NEWBURYPORT, MA
Notification: Not reported
DEP Region: Not reported
Notifiers Name: Not reported
Start Date: 04/10/2012
End Date: 04/28/2012
Date Entered: Not reported
Entry Date: 03/27/2012
Quantity Materical Removed SF: 6080.00
Quantity Material Removed LF: 800.00
Project Description: Insl,Trns
AR Tracking ID: 155517
Super Lic Number: AS061206
Monitor Lic Number: AA000179
Lab Lic Number: AA000028
Year: 2012
Sticker Number: 100145156
Form Type: ANF-001
Fee Status: Exempt
Facility Phone: 9784654413
Sub Town: Not reported
Worksite: OPERATIONS
Occupied: 0
Contractor: AC000795
Contract Type: Off
Hours: Week days: 7AM-4PM Week end:
Project Type: Dem
Abatement Process: Fcontain
Location: Indoors
Decon Process: 3 CHAMBER DECON WITH SHOWER
Disposal Methods: WET MATERIAL PROPERLY AND PACKAGE IN DOUBLE 6ML POLY BLACK BAGS
Facility Usage: WASTE TREATMENT PLANT
Waiver Given: Not reported
DEP Waiver Number: Not reported

SEWER DEPARTMENT (Continued) **S103812033**

DLWD Waiver Number:	Not reported
Small Owner Occ:	5
Owner Name:	CITY OF NEWBURYPORT
Owner Address:	60 PLEASANT STREET
Owner City:	NEWBURYPORT
Owner State:	MA
On Site Manager Name:	ANDREW LAFFERTY
On Site Manager Phone:	978-465-4413
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	15,000
Transporter Name:	CUTTING EDGE ENVIRONMENTAL, INC
Transporter Address:	58 MELLEN STREET
Transporter City:	HOPEDALE
Transporter State:	Not reported
Final Site:	39
Certified Name:	TIMOTHY HOLMES
Cert Sign Date:	03/27/2012
Certified Company:	03/27/2012
Certified Phone:	5084737761
Entered_by:	Not reported

Name:	CITY OF NEWBYPT-LOW ST SEWER REPLACEMENT
Address:	157 WATER STREET
City,State,Zip:	NEWBURYPORT, MA
Notification:	Not reported
DEP Region:	Not reported
Notifiers Name:	Not reported
Start Date:	11/15/2004
End Date:	12/15/2004
Date Entered:	Not reported
Entry Date:	10/11/2004
Quantity Materical Removed SF:	.00
Quantity Material Removed LF:	3100.00
Project Description:	Trns
AR Tracking ID:	45857
Super Lic Number:	AS030534
Monitor Lic Number:	AA000006
Lab Lic Number:	AA000006
Year:	2004
Sticker Number:	100010180
Form Type:	ANF-001
Fee Status:	Fifty
Facility Phone:	9784654461
Sub Town:	Not reported
Worksite:	60-263 LOW STREET
Occupied:	0
Contractor:	AC000035
Contract Type:	Off
Hours:	Week days: 7A-3P Week end:
Project Type:	Renv
Abatement Process:	Disp,REMOTE DECON/PPE..
Location:	Not reported
Decon Process:	THREE STAGE
Disposal Methods:	MATERIAL WILL BE WETTED WITH AMENDED WATER, PLACED IN DOUBLE BAGS AND LABELED FOR TRANSPORT

SEWER DEPARTMENT (Continued) **S103812033**

Facility Usage:	EXTERIOR SEWER
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	5
Owner Name:	CITY OF NEWBURYPORT
Owner Address:	157 WATER ST
Owner City:	NEWBURYPORT
Owner State:	MA
On Site Manager Name:	BRANDON OREGAN
On Site Manager Phone:	Not reported
Ins Comp:	AIG
Policy Number:	WC9694329
EXP Date:	12/28/2004
Facility Size:	3100
Transporter Name:	JOB ROLLOFF
Transporter Address:	P.O. BOX 6037
Transporter City:	CHELSEA
Transporter State:	Not reported
Final Site:	39
Certified Name:	BRENT MORGENSTERN
Cert Sign Date:	10/11/2004
Certified Company:	DEC-TAM
Certified Phone:	9784702860
Entered_by:	Not reported

Name:	CITY OF NEWBURYPORT-LOW ST SEWER REPL PROJ
Address:	157 WATER ST
City,State,Zip:	NEWBURYPORT, MA
Notification:	Not reported
DEP Region:	Not reported
Notifiers Name:	Not reported
Start Date:	07/12/2004
End Date:	09/17/2004
Date Entered:	Not reported
Entry Date:	06/08/2004
Quantity Materical Removed SF:	Not reported
Quantity Material Removed LF:	3100.00
Project Description:	TRANSITE SEWER PIPE
AR Tracking ID:	40629
Super Lic Number:	AS000084
Monitor Lic Number:	AA000006
Lab Lic Number:	AA000006
Year:	2004
Sticker Number:	774563
Form Type:	ANF-001
Fee Status:	E
Facility Phone:	(978) 465-4461
Sub Town:	Not reported
Worksite:	60 LOW ST THRU 263 LOW ST, NEWBURYPORT MA (EAST TO WEST-EXT ABATEMENT)
Occupied:	Not reported
Contractor:	AC000035
Contract Type:	Not reported
Hours:	7A-3P
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported

SEWER DEPARTMENT (Continued) **S103812033**

Decon Process:	3 CHAMBER
Disposal Methods:	WET 2 PLY POLY BAG
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	CITY OF NEWBURYPORT-LOW ST SEWER REPL PROJ
Owner Address:	157 WATER ST
Owner City:	NEWBURYPORT
Owner State:	MA
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	JOB ROLLOFF INC
Transporter Address:	PO BOX 6037
Transporter City:	CHELSEA
Transporter State:	MA
Final Site:	7
Certified Name:	BRENTON MORGENSTERM
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	swhite

E14 **NEWBURYPORT WWTP** **SEMS-ARCHIVE** **1003862283**
NNE **157 WATER STREET** **MAD075354449**
1/4-1/2 **NEWBURYPORT, MA 01950**
0.257 mi.
1356 ft. **Site 2 of 2 in cluster E**

Relative: **Lower**

Actual: **8 ft.**

SEMS Archive:

Site ID:	0100574
EPA ID:	MAD075354449
Name:	NEWBURYPORT WWTP
Address:	157 WATER STREET
Address 2:	Not reported
City,State,Zip:	NEWBURYPORT, MA 01950
Cong District:	06
FIPS Code:	25009
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	01
Site ID:	0100574
EPA ID:	MAD075354449
Site Name:	NEWBURYPORT WWTP
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1

NEWBURYPORT WWTP (Continued) **1003862283**

Start Date:	Not reported
Finish Date:	1986-03-25 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	01
Site ID:	0100574
EPA ID:	MAD075354449
Site Name:	NEWBURYPORT WWTP
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1980-11-01 05:00:00
Finish Date:	1980-11-01 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	01
Site ID:	0100574
EPA ID:	MAD075354449
Site Name:	NEWBURYPORT WWTP
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1986-03-25 05:00:00
Qual:	N
Current Action Lead:	St Perf

B15 **FLAME TECH** **MA SHWS** **S101018665**
NNE **115 WATER ST** **MA LAST** **N/A**
1/4-1/2 **NEWBURYPORT, MA 01950** **MA INST CONTROL**
0.268 mi. **MA RELEASE**
1413 ft. **Site 2 of 2 in cluster B** **MA SPILLS**
MA ENF
Relative: **MA TIER 2**
Lower

Actual: SHWS:
6 ft.

Name:	C&D OIL CO FMR
Address:	115 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0002947
Source Type:	CATCHBASIN
Release Town:	NEWBURYPORT
Notification Date:	10/15/1990
Category:	NONE
Associated ID:	Not reported
Current Status:	PSC
Status Date:	12/28/2015
Phase:	Not reported
Response Action Outcome:	PA

FLAME TECH (Continued) **S101018665**

Oil Or Haz Material: Oil

LAST:
Name: C&D OIL CO FMR
Address: 115 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0002947 / PSC
Source Type: AST
Release Town: NEWBURYPORT
Notification Date: 10/15/1990
Category: NONE
Associated ID: Not reported
Status Date: 12/28/2015
Phase: Not reported
Response Action Outcome: PA - PA
Oil Or Haz Material: Oil

Chemicals:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Quantity: Not reported
Location Type: FORMER
Location Type: GASSTATION
Location Type: TANK FARM
Source: AST
Source: CATCHBASIN

Actions:
Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 1/31/2008
Response Action Outcome: PA

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 10/21/2010
Response Action Outcome: PA

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 11/14/2011
Response Action Outcome: PA

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/15/2011
Response Action Outcome: PA

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 11/19/2012
Response Action Outcome: PA

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 11/30/2007
Response Action Outcome: PA

Action Type: Phase 4

FLAME TECH (Continued) **S101018665**

Action Status: Completion Statement Received
Action Date: 12/1/2009
Response Action Outcome: PA

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/1/2009
Response Action Outcome: PA

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 12/12/2007
Response Action Outcome: PA

Action Type: BOL
Action Status: SHPFAC
Action Date: 12/18/2012
Response Action Outcome: PA

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/21/2015
Response Action Outcome: PA

Action Type: Activity and Use Limitation
Action Status: Fee Received - FMCRA Use Only
Action Date: 12/24/2015
Response Action Outcome: PA

Action Type: TREGS
Action Status: WAVREC
Action Date: 12/26/1989
Response Action Outcome: PA

Action Type: Response Action Outcome - RAO
Action Status: PSARCD
Action Date: 12/28/2015
Response Action Outcome: PA

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 12/29/2008
Response Action Outcome: PA

Action Type: Immediate Response Action
Action Status: RMRINI
Action Date: 12/29/2008
Response Action Outcome: PA

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 12/6/2008
Response Action Outcome: PA

Action Type: Phase 4
Action Status: Written Plan Received
Action Date: 12/6/2008

FLAME TECH (Continued) **S101018665**

Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 12/8/2008
Response Action Outcome: PA

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 12/8/2008
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/14/2014
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/22/2013
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Tier 2 Transfer
Action Date: 2/28/2012
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/29/2012
Response Action Outcome: PA

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 2/6/2008
Response Action Outcome: PA

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 3/27/2008
Response Action Outcome: PA

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/10/1995
Response Action Outcome: PA

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/15/2008
Response Action Outcome: PA

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 4/17/2008
Response Action Outcome: PA

FLAME TECH (Continued) **S101018665**

Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	5/11/2007
Response Action Outcome:	PA
Action Type:	Release Abatement Measure
Action Status:	Status or Interim Report Received
Action Date:	5/11/2012
Response Action Outcome:	PA
Action Type:	Release Abatement Measure
Action Status:	Status or Interim Report Received
Action Date:	5/4/2011
Response Action Outcome:	PA
Action Type:	Phase 4
Action Status:	RMRINT
Action Date:	5/7/2009
Response Action Outcome:	PA
Action Type:	Phase 4
Action Status:	Status or Interim Report Received
Action Date:	5/7/2009
Response Action Outcome:	PA
Action Type:	Immediate Response Action
Action Status:	Modified Revised or Updated Plan Received
Action Date:	6/11/2008
Response Action Outcome:	PA
Action Type:	Release Abatement Measure
Action Status:	Written Plan Received
Action Date:	6/14/2010
Response Action Outcome:	PA
Action Type:	Release Abatement Measure
Action Status:	Level I - Technical Screen Audit
Action Date:	6/15/2010
Response Action Outcome:	PA
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	6/17/2008
Response Action Outcome:	PA
Action Type:	TREGS
Action Status:	WAVSIG
Action Date:	6/18/1990
Response Action Outcome:	PA
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	6/25/2009
Response Action Outcome:	PA
Action Type:	Release Abatement Measure
Action Status:	Modified Revised or Updated Plan Received

FLAME TECH (Continued) **S101018665**

Action Date: 6/29/2010
Response Action Outcome: PA

Action Type: Compliance and Enforcement Action
Action Status: ACO
Action Date: 7/12/2007
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 8/15/2007
Response Action Outcome: PA

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 8/2/1990
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/2/1990
Response Action Outcome: PA

Action Type: TREGS
Action Status: WAVACC
Action Date: 8/2/1990
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 8/3/1995
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 8/3/1995
Response Action Outcome: PA

INST CONTROL:
Name: C&D OIL CO FMR
Address: 115 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0002947
Action Type: AUL
Action Stat: FEEREC
Action Date: 12/24/2015
Response Action Outcome: PA - PA

Name: C&D OIL CO FMR
Address: 115 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0002947
Action Type: AUL
Action Stat: RECPT
Action Date: 12/21/2015
Response Action Outcome: PA - PA

FLAME TECH (Continued) **S101018665**

Release:

Name:	C&D OIL CO FMR
Address:	115 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0002947 / PSC
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	10/15/1990
Category:	NONE
Status Date:	12/28/2015
Phase:	Not reported
Response Action Outcome:	PA - PA
Oil / Haz Material Type:	Oil

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

Actions:

Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	1/31/2008
Response Action Outcome:	PA
Action Type:	Release Abatement Measure
Action Status:	Status or Interim Report Received
Action Date:	10/21/2010
Response Action Outcome:	PA
Action Type:	Release Abatement Measure
Action Status:	Status or Interim Report Received
Action Date:	11/14/2011
Response Action Outcome:	PA
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	11/15/2011
Response Action Outcome:	PA
Action Type:	Release Abatement Measure
Action Status:	Completion Statement Received
Action Date:	11/19/2012
Response Action Outcome:	PA
Action Type:	Phase 2
Action Status:	Completion Statement Received
Action Date:	11/30/2007
Response Action Outcome:	PA
Action Type:	Phase 4
Action Status:	Completion Statement Received
Action Date:	12/1/2009
Response Action Outcome:	PA
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	12/1/2009
Response Action Outcome:	PA

FLAME TECH (Continued) **S101018665**

Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	12/12/2007
Response Action Outcome:	PA
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	12/18/2012
Response Action Outcome:	PA
Action Type:	Activity and Use Limitation
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	12/21/2015
Response Action Outcome:	PA
Action Type:	Activity and Use Limitation
Action Status:	Fee Received - FMCRA Use Only
Action Date:	12/24/2015
Response Action Outcome:	PA
Action Type:	TREGS
Action Status:	WAVREC
Action Date:	12/26/1989
Response Action Outcome:	PA
Action Type:	Response Action Outcome - RAO
Action Status:	PSARCD
Action Date:	12/28/2015
Response Action Outcome:	PA
Action Type:	Immediate Response Action
Action Status:	Completion Statement Received
Action Date:	12/29/2008
Response Action Outcome:	PA
Action Type:	Immediate Response Action
Action Status:	RMRINI
Action Date:	12/29/2008
Response Action Outcome:	PA
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	12/6/2008
Response Action Outcome:	PA
Action Type:	Phase 4
Action Status:	Written Plan Received
Action Date:	12/6/2008
Response Action Outcome:	PA
Action Type:	Tier Classification
Action Status:	Tier 2 Extension
Action Date:	12/8/2008
Response Action Outcome:	PA
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit

FLAME TECH (Continued) **S101018665**

Action Date: 12/8/2008
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/14/2014
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/22/2013
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Tier 2 Transfer
Action Date: 2/28/2012
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/29/2012
Response Action Outcome: PA

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 2/6/2008
Response Action Outcome: PA

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 3/27/2008
Response Action Outcome: PA

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/10/1995
Response Action Outcome: PA

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/15/2008
Response Action Outcome: PA

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 4/17/2008
Response Action Outcome: PA

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 5/11/2007
Response Action Outcome: PA

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 5/11/2012
Response Action Outcome: PA

FLAME TECH (Continued) **S101018665**

Action Type:	Release Abatement Measure
Action Status:	Status or Interim Report Received
Action Date:	5/4/2011
Response Action Outcome:	PA
Action Type:	Phase 4
Action Status:	RMRINT
Action Date:	5/7/2009
Response Action Outcome:	PA
Action Type:	Phase 4
Action Status:	Status or Interim Report Received
Action Date:	5/7/2009
Response Action Outcome:	PA
Action Type:	Immediate Response Action
Action Status:	Modified Revised or Updated Plan Received
Action Date:	6/11/2008
Response Action Outcome:	PA
Action Type:	Release Abatement Measure
Action Status:	Written Plan Received
Action Date:	6/14/2010
Response Action Outcome:	PA
Action Type:	Release Abatement Measure
Action Status:	Level I - Technical Screen Audit
Action Date:	6/15/2010
Response Action Outcome:	PA
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	6/17/2008
Response Action Outcome:	PA
Action Type:	TREGS
Action Status:	WAVSIG
Action Date:	6/18/1990
Response Action Outcome:	PA
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	6/25/2009
Response Action Outcome:	PA
Action Type:	Release Abatement Measure
Action Status:	Modified Revised or Updated Plan Received
Action Date:	6/29/2010
Response Action Outcome:	PA
Action Type:	Compliance and Enforcement Action
Action Status:	ACO
Action Date:	7/12/2007
Response Action Outcome:	PA
Action Type:	Tier Classification
Action Status:	Tier 2 Extension

FLAME TECH (Continued) **S101018665**

Action Date: 8/15/2007
Response Action Outcome: PA

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 8/2/1990
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/2/1990
Response Action Outcome: PA

Action Type: TREGS
Action Status: WAVACC
Action Date: 8/2/1990
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 8/3/1995
Response Action Outcome: PA

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 8/3/1995
Response Action Outcome: PA

Chemicals:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Quantity: Not reported
Location Type: FORMER
Location Type: GASSTATION
Location Type: TANK FARM
Source: AST
Source: CATCHBASIN

MA Spills:

Facility ID:	3-2947	Spill ID:	N88-0724
Staff Lead:	NDI, K	Date Entered:	19880718
Last Entered:	19940112	First Response:	19880519
Spill Date:	19880519	Spill Time:	Not reported
Report Date:	19880519	Report Time:	02:30PM
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	MISCELLANEOUS OIL	Other Material:	Not reported
Qty Reported:	NONE	Qty Actual:	NONE
Qty Reported:	GALLONS	Qty Actual:	GALLONS
CAS No:	Not reported	PCB Lev (ppm):	NONE
Source:	U.S.T.	Other Source:	Not reported
Incident:	TANK REMOVAL	Other Incdnt:	Not reported
Cleanup Type:	Not reported	Contractor:	NOT USED
Referral:	SA	LUST Elig:	NO
Report Prep:	Not reported	Category:	Not reported
Notifier:	Not reported		

FLAME TECH (Continued) **S101018665**

Notif Tel: Not reported
Days/Close: 0

ENFORCEMENT:

Name:	AMERICAN MARINE AND BOAT STORAGE INC
Address:	115 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Region:	NERO
DEP Region:	NERO
DEP Program:	3a
DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0002947
High Or Low Level Enforcement:	HLE
FMF #:	0
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	07/12/2007
ENF #:	ACO-NE-07-3A025
Document Type:	ACO
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

Name:	AMERICAN MARINE AND BOAT STORAGE INC.
Address:	115 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Region:	NERO
DEP Region:	NERO
DEP Program:	3a
DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0002947
High Or Low Level Enforcement:	LLE
FMF #:	0
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	05/11/2007
ENF #:	NON-NE-07-3A061
Document Type:	NON
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported

FLAME TECH (Continued) **S101018665**

PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

TIER 2:

Name:	CITY OF NEWBURYPORTY WATER POLLUTION CONTROL FACILITY
Address:	115B WATER STREET
City,State,Zip:	NEWBURYPORT, MA 01950
Report Year:	2018
Facility Id:	FATR2018000000041263
Facility Dept:	Not reported
Latitude:	42.800000
Longitude:	-70.860000
Mailing Address:	115B Water Street
Mailing City/State/Zip:	01950
Mailing Country:	Not reported
Notes:	Not reported
All Chemicals Same As Last Yr:	Not reported
Date Signed:	2019-03-01
Dike Or Other Safeguard:	Not reported
Failed Validation:	Not reported
Date Modified:	03/01/2019
Fees Total:	Not reported
Num Of Employees:	9
Site Coord Abbreviated?:	false
Site Map:	Not reported
State Label Code:	Not reported
Submitted By:	Not reported
Validation Report:	Not reported
Fire District:	Not reported
Latlong Location Description:	Not reported
Latlong Method:	Not reported

Record Key:	FDTR2018000000015537
Id:	Not reported
Type:	EIN
Description:	Not reported
Last Modified:	Not reported

Record Key:	FDTR2018000000015538
Id:	Not reported
Type:	RMP
Description:	Not reported
Last Modified:	Not reported

Record Key:	FDTR2018000000015539
Id:	Not reported
Type:	State ID
Description:	Not reported
Last Modified:	Not reported

Record Key:	FDTR2018000000015540

FLAME TECH (Continued) **S101018665**

Id: Not reported
Type: TRI
Description: Not reported
Last Modified: Not reported

Record Key: FDTR2018000000015541
Id: Not reported
Type: NAICS
Description: Not reported
Last Modified: Not reported

Record Key: FDTR2018000000015542
Id: Not reported
Type: T2M Facility ID
Description: Not reported
Last Modified: Not reported

Record Key: FDTR2018000000015543
Id: Not reported
Type: SIC
Description: Not reported
Last Modified: Not reported

Record Key: FDTR2018000000015544
Id: Not reported
Type: DUN & BradStreet
Description: Not reported
Last Modified: Not reported

Contact:
Report Year: 2018
Contact Record Id: CTTR2018382043P41263
Title: assistant chief Operator
Contact Name: Moore
Contact Email: jmoore@cityofnewburyport.com
Contact Mail Address: Not reported
Contact Mail City: Not reported
Contact Mail State: Not reported
Contact Mail Zip: Not reported
Contact Mail Country: Not reported
Contact1 Type: Emergency Contact
Contact2 Type: Not reported
Contact3 Type: Not reported
Contact4 Type: Not reported
Modification Date: 1900-01-01

Contact:
Report Year: 2018
Contact Record Id: CTTR2018382042P41263
Title: Chief Operator
Contact Name: Pratt
Contact Email: cpratt@cityofnewburyport.com
Contact Mail Address: Not reported
Contact Mail City: Not reported
Contact Mail State: Not reported

FLAME TECH (Continued) **S101018665**

Contact Mail Zip:	Not reported
Contact Mail Country:	Not reported
Contact1 Type:	Emergency Contact
Contact2 Type:	Not reported
Contact3 Type:	Not reported
Contact4 Type:	Not reported
Modification Date:	1900-01-01

Contact:

Report Year:	2018
Contact Record Id:	CTTR2018382044P41263
Title:	Chief Operator
Contact Name:	Pratt
Contact Email:	cpratt@cityofnewburyport.com
Contact Mail Address:	Not reported
Contact Mail City:	Not reported
Contact Mail State:	Not reported
Contact Mail Zip:	Not reported
Contact Mail Country:	Not reported
Contact1 Type:	Tier II Information Contact
Contact2 Type:	Not reported
Contact3 Type:	Not reported
Contact4 Type:	Not reported
Modification Date:	1900-01-01

Contact:

Report Year:	2018
Contact Record Id:	CTTR2018382037P41263
Title:	Not reported
Contact Name:	Not reported
Contact Email:	Not reported
Contact Mail Address:	Not reported
Contact Mail City:	Not reported
Contact Mail State:	MA
Contact Mail Zip:	Not reported
Contact Mail Country:	US
Contact1 Type:	Parent Company
Contact2 Type:	Not reported
Contact3 Type:	Not reported
Contact4 Type:	Not reported
Modification Date:	1900-01-01

Contact:

Report Year:	2018
Contact Record Id:	CTTR2018382041P41263
Title:	Not reported
Contact Name:	Not reported
Contact Email:	cpratt@cityofnewburyport.com
Contact Mail Address:	115B Water Street
Contact Mail City:	Newburyport
Contact Mail State:	MA
Contact Mail Zip:	01950
Contact Mail Country:	US

FLAME TECH (Continued) **S101018665**

Contact1 Type:	Other
Contact2 Type:	Not reported
Contact3 Type:	Not reported
Contact4 Type:	Not reported
Modification Date:	1900-01-01

Contact:

Report Year:	2018
Contact Record Id:	CTTR2018382039P41263
Title:	Not reported
Contact Name:	Not reported
Contact Email:	Not reported
Contact Mail Address:	Not reported
Contact Mail City:	Not reported
Contact Mail State:	Not reported
Contact Mail Zip:	Not reported
Contact Mail Country:	Not reported
Contact1 Type:	Billing
Contact2 Type:	Not reported
Contact3 Type:	Not reported
Contact4 Type:	Not reported
Modification Date:	1900-01-01

Contact:

Report Year:	2018
Contact Record Id:	CTTR2018382038P41263
Title:	Not reported
Contact Name:	Pratt
Contact Email:	cpratt@cityofnewburyport.com
Contact Mail Address:	115B Water st
Contact Mail City:	Newburyport
Contact Mail State:	MA
Contact Mail Zip:	01950
Contact Mail Country:	US
Contact1 Type:	Owner / Operator
Contact2 Type:	Not reported
Contact3 Type:	Not reported
Contact4 Type:	Not reported
Modification Date:	1900-01-01

Chemicals:

Acute:	Not reported
Ave Amount:	Not reported
Ave Amount Code:	Not reported
Chem Inv Record Id:	CVTR2018000000154816
Chem Same As Last Yr:	true
Chronic:	Not reported
CICAS:	7722647
CI EHS Chemical:	false
CI Last Modified:	2018-03-13
Days On Site:	365
Entered Chemical Name:	Potassium Permangante
Fire:	Not reported

FLAME TECH (Continued) **S101018665**

Gas:	false
Liquid:	false
Max Amount:	7.920
Max Amount Code:	5
Max Amt Container:	0
Mixture:	true
Pressure:	Not reported
Pure:	false
Reactive:	Not reported
Solid:	true
State01 Checkbox:	Not reported
State01 Number:	Not reported
State01 Text:	Not reported
State02 Checkbox:	Not reported
State02 Number:	Not reported
State02 Text:	Not reported
State03 Checkbox:	Not reported
State03 Number:	Not reported
State03 Text:	Not reported
State04 Checkbox:	Not reported
State04 Number:	Not reported
State04 Text:	Not reported
State05 Checkbox:	Not reported
State05 Text:	Not reported
State06 Checkbox:	Not reported
State06 Text:	Not reported
State07 Checkbox:	Not reported
State07 Text:	Not reported
State1 Contact Field:	Not reported
State Label Code:	Not reported
Trade Secret:	false

Location:

Record Key:	CLTR201800000S426101
Chem Inv Record Id:	CVTR2018000000154816
Type Code:	Plastic or nonmetallic drum
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Shed next to dewatering equipment off DI bld
Amount:	7920
Amount Unit:	lbs
Last Modified:	2018-03-13

Chemical Mixture:

Record Key:	CLTR201800000M165135
Chem Inv Rec Id:	CVTR2018000000154816
Mx Chem:	Potassium Permangante
Mx CAS:	7722647
Percentage:	Not reported
Wt Vol:	volume
Mx EHS:	false
Mx Last Modified:	2018-03-13

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

FLAME TECH (Continued) **S101018665**

Chem Inv Record Id:	CVTR2018000000154817
Chem Same As Last Yr:	true
Chronic:	Not reported
CICAS:	68476302
CI EHS Chemical:	false
CI Last Modified:	2018-03-13
Days On Site:	365
Entered Chemical Name:	Fuel Oil
Fire:	Not reported
Gas:	false
Liquid:	true
Max Amount:	1.430
Max Amount Code:	6
Max Amt Container:	0
Mixture:	false
Pressure:	Not reported
Pure:	true
Reactive:	Not reported
Solid:	false
State01 Checkbox:	Not reported
State01 Number:	Not reported
State01 Text:	Not reported
State02 Checkbox:	Not reported
State02 Number:	Not reported
State02 Text:	Not reported
State03 Checkbox:	Not reported
State03 Number:	Not reported
State03 Text:	Not reported
State04 Checkbox:	Not reported
State04 Number:	Not reported
State04 Text:	Not reported
State05 Checkbox:	Not reported
State05 Text:	Not reported
State06 Checkbox:	Not reported
State06 Text:	Not reported
State07 Checkbox:	Not reported
State07 Text:	Not reported
State1 Contact Field:	Not reported
State Label Code:	Not reported
Trade Secret:	false

Location:

Record Key:	CLTR201800000S426103
Chem Inv Record Id:	CVTR2018000000154817
Type Code:	Above ground tank
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Rear of OCL building next to stand-by generator
Amount:	2000
Amount Unit:	lbs
Last Modified:	2018-03-13

Acute:	Not reported
Ave Amount:	Not reported
Ave Amount Code:	Not reported
Chem Inv Record Id:	CVTR2018000000154818
Chem Same As Last Yr:	true

FLAME TECH (Continued) **S101018665**

Chronic:	Not reported
CICAS:	7681529
CI EHS Chemical:	false
CI Last Modified:	2018-03-13
Days On Site:	365
Entered Chemical Name:	Sodium Hypochlorite
Fire:	Not reported
Gas:	false
Liquid:	true
Max Amount:	3.621
Max Amount Code:	7
Max Amt Container:	0
Mixture:	true
Pressure:	Not reported
Pure:	false
Reactive:	Not reported
Solid:	false
State01 Checkbox:	Not reported
State01 Number:	Not reported
State01 Text:	Not reported
State02 Checkbox:	Not reported
State02 Number:	Not reported
State02 Text:	Not reported
State03 Checkbox:	Not reported
State03 Number:	Not reported
State03 Text:	Not reported
State04 Checkbox:	Not reported
State04 Number:	Not reported
State04 Text:	Not reported
State05 Checkbox:	Not reported
State05 Text:	Not reported
State06 Checkbox:	Not reported
State06 Text:	Not reported
State07 Checkbox:	Not reported
State07 Text:	Not reported
State1 Contact Field:	Not reported
State Label Code:	Not reported
Trade Secret:	false

Location:

Record Key:	CLTR201800000S426105
Chem Inv Record Id:	CVTR2018000000154818
Type Code:	Tank inside building
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Disinfection Building
Amount:	4000
Amount Unit:	lbs
Last Modified:	2018-03-13

Chemical Mixture:

Record Key:	CLTR201800000M165138
Chem Inv Rec Id:	CVTR2018000000154818
Mx Chem:	Sodium Hypochorite
Mx CAS:	7681529
Percentage:	Not reported
Wt Vol:	weight

FLAME TECH (Continued) **S101018665**

Mx EHS:	false
Mx Last Modified:	2018-03-13
Acute:	Not reported
Ave Amount:	Not reported
Ave Amount Code:	Not reported
Chem Inv Record Id:	CVTR2018000000154819
Chem Same As Last Yr:	true
Chronic:	Not reported
CICAS:	7705080
CI EHS Chemical:	false
CI Last Modified:	2018-03-13
Days On Site:	365
Entered Chemical Name:	Ferric Chloride
Fire:	Not reported
Gas:	false
Liquid:	true
Max Amount:	6.900
Max Amount Code:	8
Max Amt Container:	0
Mixture:	true
Pressure:	Not reported
Pure:	false
Reactive:	Not reported
Solid:	false
State01 Checkbox:	Not reported
State01 Number:	Not reported
State01 Text:	Not reported
State02 Checkbox:	Not reported
State02 Number:	Not reported
State02 Text:	Not reported
State03 Checkbox:	Not reported
State03 Number:	Not reported
State03 Text:	Not reported
State04 Checkbox:	Not reported
State04 Number:	Not reported
State04 Text:	Not reported
State05 Checkbox:	Not reported
State05 Text:	Not reported
State06 Checkbox:	Not reported
State06 Text:	Not reported
State07 Checkbox:	Not reported
State07 Text:	Not reported
State1 Contact Field:	Not reported
State Label Code:	Not reported
Trade Secret:	false

Location:

Record Key:	CLTR201800000S426107
Chem Inv Record Id:	CVTR2018000000154819
Type Code:	Above ground tank
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Containment area near main gate
Amount:	6000
Amount Unit:	lbs
Last Modified:	2018-03-13

FLAME TECH (Continued) **S101018665**

Chemical Mixture:

Record Key:	CLTR201800000M165140
Chem Inv Rec Id:	CVTR2018000000154819
Mx Chem:	Ferric Chloride
Mx CAS:	7705080
Percentage:	Not reported
Wt Vol:	weight
Mx EHS:	false
Mx Last Modified:	2018-03-13

Acute:	Not reported
Ave Amount:	Not reported
Ave Amount Code:	Not reported
Chem Inv Record Id:	CVTR2018000000154820
Chem Same As Last Yr:	true
Chronic:	Not reported
CICAS:	7631905
CI EHS Chemical:	false
CI Last Modified:	2018-03-13
Days On Site:	365
Entered Chemical Name:	Sodium Bisulfite
Fire:	Not reported
Gas:	false
Liquid:	true
Max Amount:	8.752
Max Amount Code:	5
Max Amt Container:	0
Mixture:	true
Pressure:	Not reported
Pure:	false
Reactive:	Not reported
Solid:	false
State01 Checkbox:	Not reported
State01 Number:	Not reported
State01 Text:	Not reported
State02 Checkbox:	Not reported
State02 Number:	Not reported
State02 Text:	Not reported
State03 Checkbox:	Not reported
State03 Number:	Not reported
State03 Text:	Not reported
State04 Checkbox:	Not reported
State04 Number:	Not reported
State04 Text:	Not reported
State05 Checkbox:	Not reported
State05 Text:	Not reported
State06 Checkbox:	Not reported
State06 Text:	Not reported
State07 Checkbox:	Not reported
State07 Text:	Not reported
State1 Contact Field:	Not reported
State Label Code:	Not reported
Trade Secret:	false

Location:

Record Key:	CLTR201800000S426109

FLAME TECH (Continued) **S101018665**

Chem Inv Record Id:	CVTR2018000000154820
Type Code:	Tank inside building
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Containment area in disinfection building
Amount:	800
Amount Unit:	lbs
Last Modified:	2018-03-13

Chemical Mixture:

Record Key:	CLTR201800000M165142
Chem Inv Rec Id:	CVTR2018000000154820
Mx Chem:	Sodium Bisulfite
Mx CAS:	7631905
Percentage:	Not reported
Wt Vol:	weight
Mx EHS:	false
Mx Last Modified:	2018-03-13

Acute:	Not reported
Ave Amount:	Not reported
Ave Amount Code:	Not reported
Chem Inv Record Id:	CVTR2018000000154821
Chem Same As Last Yr:	true
Chronic:	Not reported
CICAS:	69418264
CI EHS Chemical:	false
CI Last Modified:	2018-03-13
Days On Site:	365
Entered Chemical Name:	Polymer
Fire:	Not reported
Gas:	false
Liquid:	true
Max Amount:	2.435
Max Amount Code:	4
Max Amt Container:	0
Mixture:	true
Pressure:	Not reported
Pure:	false
Reactive:	Not reported
Solid:	false
State01 Checkbox:	Not reported
State01 Number:	Not reported
State01 Text:	Not reported
State02 Checkbox:	Not reported
State02 Number:	Not reported
State02 Text:	Not reported
State03 Checkbox:	Not reported
State03 Number:	Not reported
State03 Text:	Not reported
State04 Checkbox:	Not reported
State04 Number:	Not reported
State04 Text:	Not reported
State05 Checkbox:	Not reported
State05 Text:	Not reported
State06 Checkbox:	Not reported

FLAME TECH (Continued) **S101018665**

State06 Text: Not reported
State07 Checkbox: Not reported
State07 Text: Not reported
State1 Contact Field: Not reported
State Label Code: Not reported
Trade Secret: false

Location:
Record Key: CLTR201800000S426111
Chem Inv Record Id: CVTR2018000000154821
Type Code: Plastic or nonmetallic drum
Pressure Code: Ambient pressure
Temperature Code: Ambient temperature
Location: Shed next to Dewatering equipment off DI bld
Amount: 2922
Amount Unit: lbs
Last Modified: 2018-03-13

Chemical Mixture:
Record Key: CLTR201800000M165144
Chem Inv Rec Id: CVTR2018000000154821
Mx Chem: Polymer
Mx CAS: 69418264
Percentage: Not reported
Wt Vol: volume
Mx EHS: false
Mx Last Modified: 2018-03-13

C16 **MASSACHUSETTS ELECTRIC COMPANY** **MA SHWS** **S101023196**
North **87 WATER ST** **MA SPILLS** **N/A**
1/4-1/2 **NEWBURYPORT, MA 01950** **MA RELEASE**
0.274 mi. **MA AIRS**
1447 ft. **Site 3 of 3 in cluster C**

Relative: **Lower**
Actual: **12 ft.**

SHWS:
Name: NO LOCATION AID
Address: 87 WATER ST
City,State,Zip: NEWBURYPORT, MA
Facility ID: 3-0019776
Source Type: TRANSFORM
Release Town: NEWBURYPORT
Notification Date: 07/28/2000
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 11/27/2000
Phase: Not reported
Response Action Outcome: A2
Oil Or Haz Material: Hazardous Material

MA Spills:
Facility ID: 0000 Spill ID: N86-1345
Staff Lead: MACAFEE, K Date Entered: 19890630

MASSACHUSETTS ELECTRIC COMPANY (Continued) **S101023196**

Last Entered:	19890630	First Response:	19881004
Spill Date:	19881004	Spill Time:	Not reported
Report Date:	19860916	Report Time:	Not reported
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	_____	Contam Soil:	Not reported
Env Impact:	Not reported	Other Impact:	Not reported
Material:	DIESEL FUEL	Other Material:	Not reported
Qty Reported:	_____	Qty Actual:	_____
Qty Reported:	_____	Qty Actual:	_____
CAS No:	Not reported	PCB Lev (ppm):	_____
Source:	_____	Other Source:	Not reported
Incident:	_____	Other Incdnt:	Not reported
Cleanup Type:	___	Contractor:	NOT USED
Referral:	NO	LUST Elig:	NO
Report Prep:	Not reported	Category:	Not reported
Notifier:	Not reported		
Notif Tel:	Not reported		
Days/Close:	1		

Release:

Name:	NO LOCATION AID
Address:	87 WATER ST
City,State,Zip:	NEWBURYPORT, MA
Release Tracking Number/Current Status:	3-0019776 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	07/28/2000
Category:	TWO HR
Status Date:	11/27/2000
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type:	Hazardous Material

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

Actions:

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	11/27/2000
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:	7/28/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	7/28/2000
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)

MASSACHUSETTS ELECTRIC COMPANY (Continued) **S101023196**

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 9/12/2000
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: 9/26/2000
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: 9/26/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: PCB
Quantity: 1 gallons
Chemical: MODF
Quantity: 50 gallons
Location Type: COMMERCIAL
Source: TRANSFORM

AIRS:
Name: MASSACHUSETTS ELECTRIC COMPANY
Address: 87 WATER ST
Address 2: Not reported
City,State,Zip: NEWBURYPORT, MA 01950
Facility Status: APPROV
Permit Code: AQ15
Permit Name: Group A Operating Permit
DEP Region: NE
Application Tracking Number: 108056
Date Closed: 02/19/1998
Applicant Name: NEW ENGLAND POWER COMPANY
Applicant Address: 78 WATER ST
Applicant City,St,Zip: NEWBURYPORT, MA
Applicant Telephone: Not reported
AQID: Not reported
Owner Name: Not reported
Latitude: Not reported
Longitude: Not reported
Primary NAICS: Not reported
NAICS Code: Not reported
NAICS Desc: Not reported

Name: MASSACHUSETTS ELECTRIC COMPANY
Address: 87 WATER ST
Address 2: Not reported
City,State,Zip: NEWBURYPORT, MA 01950
Facility Status: APPROV
Permit Code: AQ18
Permit Name: Emission Reduction Banking & Trading Credit Certification
DEP Region: NE

MASSACHUSETTS ELECTRIC COMPANY (Continued) **S101023196**

Application Tracking Number:	W005968
Date Closed:	10/06/1999
Applicant Name:	NEW ENGLAND POWER SERVICE
Applicant Address:	55 BEARFOOT RD
Applicant City,St,Zip:	NORTHBOROUGH, MA 01532
Applicant Telephone:	5084217605
AQID:	Not reported
Owner Name:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Primary NAICS:	Not reported
NAICS Code:	Not reported
NAICS Desc:	Not reported

F17 **MERCURY ANODIZING** **SEMS-ARCHIVE** **1000182143**
North **74 WATER STREET** **MA SHWS** **MAD001402734**
1/4-1/2 **NEWBURYPORT, MA 01950** **MA INST CONTROL**
0.277 mi. **MA RELEASE**
1462 ft. **Site 1 of 5 in cluster F** **RCRA NonGen / NLR**
PRP

Relative:
Lower

Actual:
12 ft.

SEMS Archive:

Site ID:	0102169
EPA ID:	MAD001402734
Name:	MERCURY ANODIZING
Address:	74 WATER STREET
Address 2:	Not reported
City,State,Zip:	NEWBURYPORT, MA 01950-2955
Cong District:	06
FIPS Code:	25009
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

SEMS Archive Detail:

Region:	01
Site ID:	0102169
EPA ID:	MAD001402734
Site Name:	MERCURY ANODIZING
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-08-06 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	01
Site ID:	0102169
EPA ID:	MAD001402734
Site Name:	MERCURY ANODIZING
NPL:	N
FF:	N
OU:	00
Action Code:	RV

MERCURY ANODIZING (Continued) **1000182143**

Action Name:	RMVL
SEQ:	2
Start Date:	1991-05-06 04:00:00
Finish Date:	1991-12-27 05:00:00
Qual:	C
Current Action Lead:	EPA Perf
Region:	01
Site ID:	0102169
EPA ID:	MAD001402734
Site Name:	MERCURY ANODIZING
NPL:	N
FF:	N
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1990-11-26 05:00:00
Finish Date:	Not reported
Qual:	V
Current Action Lead:	EPA Perf
Region:	01
Site ID:	0102169
EPA ID:	MAD001402734
Site Name:	MERCURY ANODIZING
NPL:	N
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	1
Start Date:	1990-08-30 04:00:00
Finish Date:	1991-07-08 04:00:00
Qual:	S
Current Action Lead:	EPA Perf
Region:	01
Site ID:	0102169
EPA ID:	MAD001402734
Site Name:	MERCURY ANODIZING
NPL:	N
FF:	N
OU:	00
Action Code:	BB
Action Name:	PRP RV
SEQ:	1
Start Date:	1991-03-29 05:00:00
Finish Date:	1991-04-30 04:00:00
Qual:	S
Current Action Lead:	EPA Ovrsght

SHWS:

Name:	MERCURY ANODYZING
Address:	74 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950

MERCURY ANODIZING (Continued) **1000182143**

Facility ID:	3-0003620
Source Type:	DRUMS
Release Town:	NEWBURYPORT
Notification Date:	10/15/1991
Category:	NONE
Associated ID:	Not reported
Current Status:	RAO
Status Date:	08/11/1997
Phase:	Not reported
Response Action Outcome:	B2
Oil Or Haz Material:	Oil

INST CONTROL:

Name:	MERCURY ANODYZING
Address:	74 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950
Release Tracking Number:	3-0003620
Action Type:	AUL
Action Stat:	AMEND
Action Date:	07/20/2004
Response Action Outcome:	B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Name:	MERCURY ANODYZING
Address:	74 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950
Release Tracking Number:	3-0003620
Action Type:	AUL
Action Stat:	LEGNOT
Action Date:	06/30/2004
Response Action Outcome:	B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Name:	MERCURY ANODYZING
Address:	74 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950
Release Tracking Number:	3-0003620
Action Type:	AUL
Action Stat:	RECPT
Action Date:	08/11/1997
Response Action Outcome:	B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Release:

Name:	MERCURY ANODYZING
Address:	74 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950
Release Tracking Number/Current Status:	3-0003620 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	10/15/1991
Category:	NONE
Status Date:	08/11/1997

MERCURY ANODIZING (Continued) **1000182143**

Phase: Not reported
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Oil / Haz Material Type: Oil

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

Actions:

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 10/15/1991
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Level II - Audit Inspection
Action Date: 5/27/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 6/28/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 6/30/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received
Action Date: 7/15/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 7/15/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Amendment Received or Issued
Action Date: 7/20/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

MERCURY ANODIZING (Continued) **1000182143**

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/11/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/11/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Chemicals:
Chemical: VOCS
Quantity: Not reported
Chemical: SLUDGE
Quantity: Not reported
Location Type: FORMER
Location Type: MANUFACT
Location Type: BASEMENT
Source: DRUMS

RCRA NonGen / NLR:
Date Form Received by Agency: 1980-08-18 00:00:00.0
Handler Name: MERCURY ANODIZING INC
Handler Address: 74 WATER ST
Handler City,State,Zip: NEWBURYPORT, MA 01950
EPA ID: MAD001402734
Contact Name: RICHARD HARRISON
Contact Address: 74 WATER ST
Contact City,State,Zip: NEWBURYPORT, MA 01950
Contact Telephone: 508-465-5341
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 01
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: MA
State District: N
Mailing Address: 74 WATER ST
Mailing City,State,Zip: NEWBURYPORT, MA 01950
Owner Name: Not reported
Owner Type: Not reported
Operator Name: MERCURY ANODIZING INC
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No

MERCURY ANODIZING (Continued) **1000182143**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2017-10-20 14:09:53.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	F001
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE,

MERCURY ANODIZING (Continued) **1000182143**

1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste Code: F007
Waste Description: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

Waste Code: F008
Waste Description: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F009
Waste Description: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: MERCURY ANODIZING INC
Legal Status: Private
Date Became Current: 1990-03-01 00:00:00.
Date Ended Current: 1997-02-26 00:00:00.
Owner/Operator Address: 74 WATER ST
Owner/Operator City,State,Zip: NEWBURYPORT, MA 01950
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1980-08-18 00:00:00.0
Handler Name: MERCURY ANODIZING INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: MA

MERCURY ANODIZING (Continued) **1000182143**

Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332813
NAICS Description: ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 1990-03-13 00:00:00.0
Actual Return to Compliance Date: 1995-03-13 00:00:00.0
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1990-03-13 00:00:00.0

MERCURY ANODIZING (Continued) **1000182143**

Actual Return to Compliance Date:	1995-03-13 00:00:00.0
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1990-03-13 00:00:00.0
Actual Return to Compliance Date:	1995-03-13 00:00:00.0
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

MERCURY ANODIZING (Continued) **1000182143**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 1990-03-13 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R1ES
Evaluation Responsible Sub-Organization: NE
Actual Return to Compliance Date: 1995-03-13 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1990-03-13 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R1ES
Evaluation Responsible Sub-Organization: NE
Actual Return to Compliance Date: 1995-03-13 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1990-03-13 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R1ES
Evaluation Responsible Sub-Organization: NE
Actual Return to Compliance Date: 1995-03-13 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

MERCURY ANODIZING (Continued) **1000182143**

PRP:
PRP Name: RICHARD J. HARRISON

18
North
1/4-1/2
0.283 mi.
1494 ft.

Relative:
Lower

Actual:
6 ft.

MASS ELECTRIC NEWBURYPORT STA **MA SHWS** **S101018541**
95 WATER ST **MA LUST** **N/A**
NEWBURYPORT, MA 01950 **MA INST CONTROL**
MA SPILLS
MA RELEASE
MA ASBESTOS

SHWS:

Name:	MECO SUBSTATION
Address:	95 WATER ST
City,State,Zip:	NEWBURYPORT, MA
Facility ID:	3-0023481
Source Type:	UNKNOWN
Release Town:	NEWBURYPORT
Notification Date:	12/31/2003
Category:	120 DY
Associated ID:	Not reported
Current Status:	RAO
Status Date:	12/20/2006
Phase:	PHASE III
Response Action Outcome:	A2
Oil Or Haz Material:	Oil

Name:	NEWBURYPORT SATELLITE SUBSTA
Address:	95 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0029787
Source Type:	UNKNOWN
Release Town:	NEWBURYPORT
Notification Date:	02/15/2011
Category:	120 DY
Associated ID:	Not reported
Current Status:	RAO
Status Date:	02/14/2014
Phase:	PHASE II
Response Action Outcome:	A3
Oil Or Haz Material:	Hazardous Material

Name:	NEWBURYPORT NO. 36 SUBSTATION
Address:	95 WATER STREET
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0033552
Source Type:	UNKNOWN
Release Town:	NEWBURYPORT
Notification Date:	04/27/2016
Category:	120 DY
Associated ID:	Not reported
Current Status:	TIERII
Status Date:	05/02/2017
Phase:	PHASE III
Response Action Outcome:	Not reported
Oil Or Haz Material:	Not reported

Name: MECO SATELLITE STATION

MASS ELECTRIC NEWBURYPORT STA (Continued) **S101018541**

Address:	95 WATER ST
City,State,Zip:	NEWBURYPORT, MA
Facility ID:	3-0022036
Source Type:	Not reported
Release Town:	NEWBURYPORT
Notification Date:	08/16/2002
Category:	120 DY
Associated ID:	Not reported
Current Status:	RAO
Status Date:	04/16/2003
Phase:	Not reported
Response Action Outcome:	B1
Oil Or Haz Material:	Oil and Hazardous Material

LUST:

Facility:

Name:	MASS ELECTRIC NEWBURYPORT STA
Address:	95 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950
Current Status:	**NEWBURYPORT, MA 01950**
Release Tracking Number/Current Status:	3-0004004 / RAO
Status Date:	08/27/1996
Source Type:	UST
Release Town:	NEWBURYPORT
Notification Date:	10/01/1993
Category:	NONE
Associated ID:	Not reported
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Not reported
Location Type:	UTILITY
Source:	UST

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

Chemicals:

Chemical:	UNKNOWN
Quantity:	Not reported

Actions:

Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	10/1/1993
Response Action Outcome:	Not reported
Action Type:	TREGS
Action Status:	DEPNFA
Action Date:	6/12/1996
Response Action Outcome:	Not reported
Action Type:	TREGS
Action Status:	RAOEQ
Action Date:	8/27/1996

MASS ELECTRIC NEWBURYPORT STA (Continued) **S101018541**

Response Action Outcome: Not reported

INST CONTROL:

Name:	NEWBURYPORT SATELLITE SUBSTA
Address:	95 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number:	3-0029787
Action Type:	AUL
Action Stat:	LEGNOT
Action Date:	02/28/2014
Response Action Outcome:	A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Name:	NEWBURYPORT SATELLITE SUBSTA
Address:	95 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number:	3-0029787
Action Type:	AUL
Action Stat:	RECPT
Action Date:	02/14/2014
Response Action Outcome:	A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

MA Spills:

Facility ID:	0000	Spill ID:	N88-0574
Staff Lead:	BESTOR-COLBY, M	Date Entered:	19890417
Last Entered:	19940131	First Response:	19880423
Spill Date:	Not reported	Spill Time:	Not reported
Report Date:	19880423	Report Time:	12:00PM
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	Not reported	Other Impact:	Not reported
Material:	TRANSFORMER OIL	Other Material:	Not reported
Qty Reported:	NONE	Qty Actual:	NONE
Qty Reported:	_____	Qty Actual:	_____
CAS No:	Not reported	PCB Lev (ppm):	Not reported
Source:	TRANSFORMER	Other Source:	Not reported
Incident:	LEAK	Other Incdnt:	Not reported
Cleanup Type:	Not reported	Contractor:	NOT USED
Referral:	NO	LUST Elig:	Not reported
Report Prep:	Not reported	Category:	Not reported
Notifier:	Not reported		
Notif Tel:	Not reported		
Days/Close:	0		

Release:

Name:	MASS ELECTRIC NEWBURYPORT STA
Address:	95 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950
Release Tracking Number/Current Status:	3-0004004 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	10/01/1993

MASS ELECTRIC NEWBURYPORT STA (Continued) **S101018541**

Category:	NONE
Status Date:	08/27/1996
Phase:	Not reported
Response Action Outcome:	-
Oil / Haz Material Type:	Not reported

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

Actions:

Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	10/1/1993
Response Action Outcome:	Not reported

Action Type:	TREGS
Action Status:	DEPNFA
Action Date:	6/12/1996
Response Action Outcome:	Not reported

Action Type:	TREGS
Action Status:	RAOEQ
Action Date:	8/27/1996
Response Action Outcome:	Not reported

Chemicals:

Chemical:	UNKNOWN
Quantity:	Not reported
Location Type:	UTILITY
Source:	UST

Name:	MECO SATELLITE STATION
Address:	95 WATER ST
City,State,Zip:	NEWBURYPORT, MA
Release Tracking Number/Current Status:	3-0022036 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	08/16/2002
Category:	120 DY
Status Date:	04/16/2003
Phase:	Not reported
Response Action Outcome:	B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type:	Oil and Hazardous Material

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

Actions:

Action Type:	Response Action Outcome - RAO
Action Status:	Fee Received - FMCRA Use Only
Action Date:	4/14/2003
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	4/16/2003

MASS ELECTRIC NEWBURYPORT STA (Continued) **S101018541**

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: 8/16/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/16/2002
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: 9/16/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:
Chemical: LEAD
Quantity: 300 parts per million
Chemical: BENZO[A]PYRENE
Quantity: 2.95 parts per million
Chemical: BENZO[B]FLUORANTHENE
Quantity: 2.55 parts per million
Chemical: INDENO(1,2,3-CD)PYRENE
Quantity: 1.87 parts per million
Chemical: BENZO[A]ANTHRACENE
Quantity: 2.92 parts per million
Chemical: DIBENZO[A,H]ANTHRACENE
Quantity: 0.902 parts per million
Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Quantity: 237 parts per million

Name: MECO SUBSTATION
Address: 95 WATER ST
City,State,Zip: NEWBURYPORT, MA
Release Tracking Number/Current Status: 3-0023481 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 12/31/2003
Category: 120 DY
Status Date: 12/20/2006
Phase: PHASE III
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:

Actions:
Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

MASS ELECTRIC NEWBURYPORT STA (Continued) **S101018541**

Action Date: 1/12/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Utility-related Abatement Measure
Action Status: Notification of URAM Received
Action Date: 1/6/2004
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: 1/7/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Utility-related Abatement Measure
Action Status: Completion Statement Received
Action Date: 10/21/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/20/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 12/20/2006
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: 12/31/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Utility-related Abatement Measure
Action Status: Notice of Intent to Conduct a URAM
Action Date: 12/31/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 12/31/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 12/31/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

MASS ELECTRIC NEWBURYPORT STA (Continued) **S101018541**

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/31/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 3/27/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Utility-related Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 5/3/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: PETROLEUM
Quantity: Not reported
Location Type: INDUSTRIAL
Source: UNKNOWN

Name: NEWBURYPORT SATELLITE SUBSTA
Address: 95 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0029787 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 02/15/2011
Category: 120 DY
Status Date: 02/14/2014
Phase: PHASE II
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 10/17/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/17/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

MASS ELECTRIC NEWBURYPORT STA (Continued) **S101018541**

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 12/5/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/14/2014
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 2/14/2014
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/15/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/15/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 2/15/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 2/15/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/15/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 1

MASS ELECTRIC NEWBURYPORT STA (Continued) **S101018541**

Action Status: Completion Statement Received
Action Date: 2/15/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 2/28/2014
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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: 3/10/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 3/7/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 3/7/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 3/7/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 6/18/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 6/28/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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

MASS ELECTRIC NEWBURYPORT STA (Continued) **S101018541**

Action Date:	7/11/2014
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Chemicals:

Chemical:	LEAD
Quantity:	2000 milligrams per kilogram
Chemical:	MERCURY
Quantity:	25 milligrams per kilogram
Chemical:	ARSENIC
Quantity:	30 milligrams per kilogram
Chemical:	CADMIUM
Quantity:	3.2 milligrams per kilogram
Chemical:	2-METHYLNAPHTHALENE
Quantity:	1.44 milligrams per kilogram
Source:	UNKNOWN

Name:	NEWBURYPORT NO. 36 SUBSTATION
Address:	95 WATER STREET
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0033552 / TIERII
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	04/27/2016
Category:	120 DY
Status Date:	05/02/2017
Phase:	PHASE III
Response Action Outcome:	-
Oil / Haz Material Type:	Not reported

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

Actions:

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	2/9/2017
Response Action Outcome:	Not reported

Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	4/27/2016
Response Action Outcome:	Not reported

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	4/27/2016
Response Action Outcome:	Not reported

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	4/27/2016
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.

MASS ELECTRIC NEWBURYPORT STA (Continued) **S101018541**

Action Date: 5/18/2016
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 5/18/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 5/2/2017
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 5/2/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/2/2017
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 5/4/2020
Response Action Outcome: Not reported

Chemicals:
Chemical: PCBS
Quantity: 20 milligrams per kilogram
Source: UNKNOWN

ASBESTOS:
Name: NATIONAL GRID SUBSTATION
Address: 95 WATER STREET
City,State,Zip: NEWBURYPORT, MA
Notification: Not reported
DEP Region: Not reported
Notifiers Name: Not reported
Start Date: 07/16/2008
End Date: 07/16/2008
Date Entered: Not reported
Entry Date: 07/15/2008
Quantity Materical Removed SF: .00
Quantity Material Removed LF: 25.00
Project Description: Trns
AR Tracking ID: 101023
Super Lic Number: AS032904
Monitor Lic Number: AA000186
Lab Lic Number: AA000145
Year: 2008
Sticker Number: 100075169
Form Type: ANF-001
Fee Status: Fifty
Facility Phone: Not reported

MASS ELECTRIC NEWBURYPORT STA (Continued) **S101018541**

Sub Town:	Not reported
Worksite:	1ST FLOOR
Occupied:	-1
Contractor:	AC000097
Contract Type:	WRITTEN
Hours:	Week days: 8AM-4PM Week end: N/A
Project Type:	Rpr
Abatement Process:	Glv
Location:	Indoors
Decon Process:	2-CHAMBERED DECONTAMINATION FACILITY WITH WASH STATION
Disposal Methods:	ACM WILL BE WET (HAND TO BAG) ACM WILL BE LABELED, PACKAGED & TRANSPORTED
Facility Usage:	NATIONAL GRID SUBSTATION
Waiver Given:	Not reported
DEP Waiver Number:	#08-07-960
DLWD Waiver Number:	#SP-08-330
Small Owner Occ:	5
Owner Name:	NATIONAL GRID USA SERVICE CO.
Owner Address:	55 BEARFOOT ROAD
Owner City:	NORTHBOROUGH, MA
Owner State:	MA
On Site Manager Name:	LESLIE FASULO
On Site Manager Phone:	508-962-2144
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	LVI ENVIRONMENTAL SERVICES INC.
Transporter Address:	401-S SECOND STREET
Transporter City:	EVERETT, MA
Transporter State:	Not reported
Final Site:	7
Certified Name:	SARAH MARCONE
Cert Sign Date:	07/15/2008
Certified Company:	LVI
Certified Phone:	6173898880
Entered_by:	Not reported
Name:	NATIONAL GRID
Address:	95 WATER STREET
City,State,Zip:	NEWBURYPORT, MA
Notification:	Not reported
DEP Region:	Not reported
Notifiers Name:	Not reported
Start Date:	03/05/2013
End Date:	03/06/2013
Date Entered:	Not reported
Entry Date:	03/05/2013
Quantity Materical Removed SF:	.00
Quantity Material Removed LF:	10.00
Project Description:	Trns
AR Tracking ID:	170164
Super Lic Number:	AS001055
Monitor Lic Number:	AA000186
Lab Lic Number:	AA000145
Year:	2013
Sticker Number:	100173386

MASS ELECTRIC NEWBURYPORT STA (Continued) **S101018541**

Form Type:	ANF-001
Fee Status:	Fifty
Facility Phone:	9783606460
Sub Town:	Not reported
Worksite:	SUBSTATION
Occupied:	-1
Contractor:	AC000097
Contract Type:	WRITTEN
Hours:	Week days: 3PM-11PM Week end: N/A
Project Type:	Renv
Abatement Process:	Fcontain
Location:	Indoors
Decon Process:	REMOTE DECON WITH WASH STATION.
Disposal Methods:	DOUBLE BAGGED AND/OR FIBER DRUM; CONSOLDATED AT PRIMESES, FINAL DISPOSAL.
Facility Usage:	SUBSTATION
Waiver Given:	Not reported
DEP Waiver Number:	1303980
DLWD Waiver Number:	5872-2013
Small Owner Occ:	5
Owner Name:	NATIONAL GRID
Owner Address:	1105 TURNPIKE STREET
Owner City:	NORTH ANDOVER, MA
Owner State:	MA
On Site Manager Name:	CHRIS WELLEINGTON
On Site Manager Phone:	978 360 6460
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	LVI ENVIRONMENTAL SERVICES INC.
Transporter Address:	401 S SECOND STREET
Transporter City:	EVERETT, MA
Transporter State:	Not reported
Final Site:	7
Certified Name:	WENDY CARIAS
Cert Sign Date:	03/05/2013
Certified Company:	LVI
Certified Phone:	6173898880
Entered_by:	Not reported
Name:	NATIONAL GRID - NEWBURYPORT
Address:	95 WATER STREET
City,State,Zip:	NEWBURYPORT, MA
Notification:	Not reported
DEP Region:	Not reported
Notifiers Name:	Not reported
Start Date:	06/02/2010
End Date:	06/04/2010
Date Entered:	Not reported
Entry Date:	05/18/2010
Quantity Materical Removed SF:	.00
Quantity Material Removed LF:	40.00
Project Description:	Trns
AR Tracking ID:	126675
Super Lic Number:	AS032904
Monitor Lic Number:	AA000186

MASS ELECTRIC NEWBURYPORT STA (Continued) **S101018541**

Lab Lic Number:	AA000145
Year:	2010
Sticker Number:	100106341
Form Type:	ANF-001
Fee Status:	Fifty
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	SUBSTATION # 36
Occupied:	0
Contractor:	AC000097
Contract Type:	WRITTEN
Hours:	Week days: 7AM-3PM Week end: N/A
Project Type:	Renv
Abatement Process:	Glv
Location:	Indoors
Decon Process:	2-CHAMBERED DECONTAMINATION FACILITY WITH WASH STATION.
Disposal Methods:	ACM WILL BE WET (HAND TO BAG) ACM WILL BE LABELED, PACKAGED & TRANSPORTED.
Facility Usage:	SUBSTATION
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	5
Owner Name:	NATIONAL GRID
Owner Address:	15 PHELHAM AVENUE
Owner City:	METHUEN, MA
Owner State:	MA
On Site Manager Name:	PAUL SMITH
On Site Manager Phone:	781 953 2816
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	LVI ENVIRONMENTAL SERVICES INC.
Transporter Address:	401 S SECOND STREET
Transporter City:	EVERETT, MA
Transporter State:	Not reported
Final Site:	7
Certified Name:	WENDY CARIAS
Cert Sign Date:	05/18/2010
Certified Company:	LVI
Certified Phone:	6173898880
Entered_by:	Not reported

F19 **NO LOCATION AID** **MA LUST** **S102085321**
North **54 WATER ST** **MA INST CONTROL** **N/A**
1/4-1/2 **NEWBURYPORT, MA 01950** **MA RELEASE**
0.288 mi.
1521 ft. **Site 2 of 5 in cluster F**

Relative: **Lower**

Actual: **12 ft.**

LUST:

Facility:

Name:	NO LOCATION AID
Address:	54 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950
Current Status:	**NEWBURYPORT, MA 01950**
Release Tracking Number/Current Status:	3-0010684 / RAO

NO LOCATION AID (Continued) **S102085321**

Status Date: 03/16/1995
Source Type: UST
Release Town: NEWBURYPORT
Notification Date: 03/16/1994
Category: 72 HR
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: UST

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

Chemicals:
Chemical: #2 FUEL OIL
Quantity: 110 parts per million
Chemical: #2 FUEL OIL
Quantity: 50 parts per million

Actions:
Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 12/26/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Revised Statement or Transmittal Received
Action Date: 12/29/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 2/12/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 2/12/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 3/16/1994

NO LOCATION AID (Continued) **S102085321**

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/16/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 3/16/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/16/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 3/17/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/21/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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: 3/31/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/20/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

INST CONTROL:
Name: NO LOCATION AID
Address: 54 WATER ST

NO LOCATION AID (Continued) **S102085321**

City,State,Zip: NEWBURYPORT, MA 01950
Release Tracking Number: 3-0010684
Action Type: AUL
Action Stat: RECPT
Action Date: 03/16/1995
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release:
Name: NO LOCATION AID
Address: 54 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950
Release Tracking Number/Current Status: 3-0010684 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 03/16/1994
Category: 72 HR
Status Date: 03/16/1995
Phase: Not reported
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 12/26/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Revised Statement or Transmittal Received
Action Date: 12/29/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 2/12/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 2/12/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

NO LOCATION AID (Continued) **S102085321**

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 3/16/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/16/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 3/16/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/16/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 3/17/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/21/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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: 3/31/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/20/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

NO LOCATION AID (Continued) **S102085321**

Chemicals:
Chemical: #2 FUEL OIL
Quantity: 110 parts per million
Chemical: #2 FUEL OIL
Quantity: 50 parts per million
Location Type: COMMERCIAL
Source: UST

F20 **US COAST GUARD STATION** **MA SHWS** **S104482371**
NNW **65B WATER ST** **MA RELEASE** **N/A**
1/4-1/2 **NEWBURYPORT, MA**
0.300 mi.
1585 ft. **Site 3 of 5 in cluster F**

Relative:
Lower

Actual:
13 ft.

SHWS:
Name: US COAST GUARD STATION
Address: 65B WATER ST
City,State,Zip: NEWBURYPORT, MA
Facility ID: 3-0018972
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 11/10/1999
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 08/29/2001
Phase: PHASE III
Response Action Outcome: A2
Oil Or Haz Material: Not reported

Release:
Name: US COAST GUARD STATION
Address: 65B WATER ST
City,State,Zip: NEWBURYPORT, MA
Release Tracking Number/Current Status: 3-0018972 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 11/10/1999
Category: 120 DY
Status Date: 08/29/2001
Phase: PHASE III
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:

Actions:
Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 10/11/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E

US COAST GUARD STATION (Continued) **S104482371**

Action Date: 11/10/1999
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: 11/10/1999
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: 11/16/2000
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: 11/16/2000
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: 11/16/2000
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: 2/11/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 4/10/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 5/17/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 6/16/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only
Action Date: 6/20/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

US COAST GUARD STATION (Continued) **S104482371**

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/20/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/29/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 8/29/2001
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: 8/29/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: DIESEL
Quantity: 1.6 milligrams per kilogram

F21 **REAR OF CUSTOM HOUSE** **MA SHWS S105914169**
NNW **50 WATER ST** **MA RELEASE N/A**
1/4-1/2 **NEWBURYPORT, MA 01950**
0.308 mi.
1626 ft. **Site 4 of 5 in cluster F**

Relative: Lower
Actual: 12 ft.

SHWS:
Name: REAR OF CUSTOM HOUSE
Address: 50 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0022821
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 04/22/2003
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 04/22/2003
Phase: Not reported
Response Action Outcome: B1
Oil Or Haz Material: Oil

Release:
Name: REAR OF CUSTOM HOUSE
Address: 50 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0022821 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT

REAR OF CUSTOM HOUSE (Continued) **S105914169**

Notification: 04/22/2003
Category: 120 DY
Status Date: 04/22/2003
Phase: Not reported
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 4/22/2003
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: 4/22/2003
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: 4/22/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:
Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Quantity: 230 parts per million

F22 **NO LOCATION AID** **MA LUST** **S105594861**
North **75 WATER ST** **MA INST CONTROL** **N/A**
1/4-1/2 **NEWBURYPORT, MA 01950** **MA RELEASE**
0.310 mi.
1638 ft. **Site 5 of 5 in cluster F**

Relative: Lower

Actual: 11 ft.

LUST:

Facility:
Name: NO LOCATION AID
Address: 75 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Current Status: **NEWBURYPORT, MA 01950-0000**
Release Tracking Number/Current Status: 3-0013097 / RAO
Status Date: 05/12/2004
Source Type: UST
Release Town: NEWBURYPORT
Notification Date: 10/30/1995
Category: 72 HR
Associated ID: Not reported
Phase: PHASE IV
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material: Oil

NO LOCATION AID (Continued) **S105594861**

Location Type: COMMERCIAL
Source: UST

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

Chemicals:
Chemical: #2 FUEL OIL
Quantity: 0.5 inches

Actions:
Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 1/11/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 10/15/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 10/19/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Partial RAO for this RTN
Action Status: Level I - Technical Screen Audit
Action Date: 10/2/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Activity and Use Limitation
Action Status: Level I - Technical Screen Audit
Action Date: 10/2/2001
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: 10/30/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: IRA Assessment Only
Action Date: 10/30/1995
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: 10/30/1996

NO LOCATION AID (Continued) **S105594861**

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: 10/30/1996
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: 10/30/1996
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: 10/30/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 10/5/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 10/5/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Downgradient Property Status
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/20/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 11/23/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/27/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 11/5/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

NO LOCATION AID (Continued) **S105594861**

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/21/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/28/1995
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: 12/29/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 12/29/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 2/16/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 2/16/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 2/16/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/26/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 3/7/1997
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: 3/7/1997

NO LOCATION AID (Continued) **S105594861**

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: 4/10/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/3/1997
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: 5/12/2004
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: 5/12/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 5/14/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 7/25/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 7/28/2000
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: DEPRET
Action Date: 7/9/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Downgradient Property Status
Action Status: Submittal Determined to be Invalid by DEP
Action Date: 7/9/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

NO LOCATION AID (Continued) **S105594861**

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/9/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/1/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/1/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Partial RAO for this RTN
Action Status: RAO Statement Received
Action Date: 8/24/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/24/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/24/2001
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: 8/24/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/26/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 8/26/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/17/1996

NO LOCATION AID (Continued) **S105594861**

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

Action Type: Tier Classification
Action Status: Tier 2 Transfer
Action Date: 9/23/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 9/23/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 9/25/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

INST CONTROL:
Name: NO LOCATION AID
Address: 75 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0013097
Action Type: AUL
Action Stat: LEGNOT
Action Date: 10/15/2001
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.

Name: NO LOCATION AID
Address: 75 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0013097
Action Type: AUL
Action Stat: RECPT
Action Date: 08/24/2001
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.

Name: NO LOCATION AID
Address: 75 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0013097
Action Type: AUL
Action Stat: SNAUDI
Action Date: 10/05/2007
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.

Name: NO LOCATION AID
Address: 75 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0013097

NO LOCATION AID (Continued) **S105594861**

Action Type: AUL
Action Stat: TSAUD
Action Date: 10/02/2001
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Name: NO LOCATION AID
Address: 75 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0013097 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 10/30/1995
Category: 72 HR
Status Date: 05/12/2004
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

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

Actions:
Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 1/11/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 10/15/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 10/19/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Partial RAO for this RTN
Action Status: Level I - Technical Screen Audit
Action Date: 10/2/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Activity and Use Limitation
Action Status: Level I - Technical Screen Audit
Action Date: 10/2/2001
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

NO LOCATION AID (Continued) **S105594861**

Action Date: 10/30/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: IRA Assessment Only
Action Date: 10/30/1995
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: 10/30/1996
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: 10/30/1996
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: 10/30/1996
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: 10/30/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 10/5/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 10/5/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Downgradient Property Status
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/20/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 11/23/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

NO LOCATION AID (Continued) **S105594861**

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: 11/27/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 11/5/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/21/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/28/1995
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: 12/29/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 12/29/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 2/16/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 2/16/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 2/16/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/26/1996

NO LOCATION AID (Continued) **S105594861**

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

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 3/7/1997
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: 3/7/1997
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: 4/10/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/3/1997
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: 5/12/2004
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: 5/12/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 5/14/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 7/25/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 7/28/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

NO LOCATION AID (Continued) **S105594861**

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: DEPRET
Action Date: 7/9/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Downgradient Property Status
Action Status: Submittal Determined to be Invalid by DEP
Action Date: 7/9/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/9/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/1/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/1/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Partial RAO for this RTN
Action Status: RAO Statement Received
Action Date: 8/24/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/24/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/24/2001
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: 8/24/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/26/1996

NO LOCATION AID (Continued) **S105594861**

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

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 8/26/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/17/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Transfer
Action Date: 9/23/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 9/23/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 9/25/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: #2 FUEL OIL
Quantity: 0.5 inches
Location Type: COMMERCIAL
Source: UST

G23 **MOTOR SHOP** **MA SHWS S100829303**
NNW **37-39 LIBERTY ST** **MA RELEASE N/A**
1/4-1/2 **NEWBURYPORT, MA 01950**
0.319 mi.
1685 ft. **Site 1 of 2 in cluster G**

Relative: **Lower**
Actual: **16 ft.**

SHWS:
Name: MOTOR SHOP
Address: 37-39 LIBERTY ST
City,State,Zip: NEWBURYPORT, MA 01950
Facility ID: 3-0001295
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 10/15/1988
Category: NONE
Associated ID: Not reported
Current Status: RAO
Status Date: 08/05/1996

MOTOR SHOP (Continued) **S100829303**

Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Not reported

Release:
Name: MOTOR SHOP
Address: 37-39 LIBERTY ST
City,State,Zip: NEWBURYPORT, MA 01950
Release Tracking Number/Current Status: 3-0001295 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 10/15/1988
Category: NONE
Status Date: 08/05/1996
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 10/15/1988
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: DEPNFA
Action Date: 5/16/1996
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: RAOEQ
Action Date: 8/5/1996
Response Action Outcome: Not reported

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

24
NNE
1/4-1/2
0.327 mi.
1729 ft.

MERRIMACK RIVER
2A USCG STREET
NEWBURYPORT, MA 01950

SEMS-ARCHIVE **1003862788**
MAD985276617

Relative:
Lower

Actual:
3 ft.

SEMS Archive:
Site ID: 0102048
EPA ID: MAD985276617
Name: MERRIMACK RIVER
Address: 2A USCG STREET
Address 2: Not reported
City,State,Zip: NEWBURYPORT, MA 01950
Cong District: 06
FIPS Code: 25009
FF: N

MERRIMACK RIVER (Continued) **1003862788**

NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

SEMS Archive Detail:

Region:	01
Site ID:	0102048
EPA ID:	MAD985276617
Site Name:	MERRIMACK RIVER
NPL:	N
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	1
Start Date:	1989-07-18 04:00:00
Finish Date:	1989-09-23 04:00:00
Qual:	C
Current Action Lead:	USCG

Region:	01
Site ID:	0102048
EPA ID:	MAD985276617
Site Name:	MERRIMACK RIVER
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-07-03 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

G25 **WENDOVER WOODWORKS** **MA SHWS** **S100829307**
NNW **29-35 LIBERTY ST** **MA RELEASE** **N/A**
1/4-1/2 **NEWBURYPORT, MA 01950**
0.332 mi.
1752 ft. **Site 2 of 2 in cluster G**

Relative:
Lower

Actual:
16 ft.

SHWS:

Name:	WENDOVER WOODWORKS
Address:	29-35 LIBERTY ST
City,State,Zip:	NEWBURYPORT, MA 01950
Facility ID:	3-0001292
Source Type:	Not reported
Release Town:	NEWBURYPORT
Notification Date:	10/15/1988
Category:	NONE
Associated ID:	Not reported
Current Status:	LSPNFA
Status Date:	01/26/1999
Phase:	Not reported
Response Action Outcome:	Not reported
Oil Or Haz Material:	Not reported

WENDOVER WOODWORKS (Continued) **S100829307**

Release:

Name:	WENDOVER WOODWORKS
Address:	29-35 LIBERTY ST
City,State,Zip:	NEWBURYPORT, MA 01950
Release Tracking Number/Current Status:	3-0001292 / LSPNFA
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	10/15/1988
Category:	NONE
Status Date:	01/26/1999
Phase:	Not reported
Response Action Outcome:	-
Oil / Haz Material Type:	Not reported

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

Actions:

Action Type:	TREGS
Action Status:	LSPNFA
Action Date:	1/26/1999
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	10/15/1988
Response Action Outcome:	Not reported
Action Type:	TREGS
Action Status:	DEPNDS
Action Date:	5/16/1996
Response Action Outcome:	Not reported

Chemicals:

Chemical:	UNKNOWN
Quantity:	Not reported
Location Type:	COMMERCIAL

H26 **USCG** **MA SHWS** **S105596393**
NNW **65B WATER ST** **MA RELEASE** **N/A**
1/4-1/2 **NEWBURYPORT, MA**
0.333 mi.
1758 ft. **Site 1 of 2 in cluster H**

Relative: **Lower**

Actual: **11 ft.**

SHWS:

Name:	USCG
Address:	65B WATER ST
City,State,Zip:	NEWBURYPORT, MA
Facility ID:	3-0021891
Source Type:	UNKNOWN
Release Town:	NEWBURYPORT
Notification Date:	11/20/2001
Category:	120 DY
Associated ID:	Not reported
Current Status:	DPS
Status Date:	11/20/2001
Phase:	Not reported

USCG (Continued) **S105596393**

Response Action Outcome: Not reported
Oil Or Haz Material: Oil

Release:
Name: USCG
Address: 65B WATER ST
City,State,Zip: NEWBURYPORT, MA
Release Tracking Number/Current Status: 3-0021891 / DPS
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 11/20/2001
Category: 120 DY
Status Date: 11/20/2001
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

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: 11/20/2001
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 11/20/2001
Response Action Outcome: Not reported

Action Type: Downgradient Property Status
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/20/2001
Response Action Outcome: Not reported

Chemicals:
Chemical: C9 THRU C12 ALIPHATIC HYDROCARBONS
Quantity: 1000 micrograms per liter
Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Quantity: 5000 micrograms per liter
Location Type: COMMERCIAL
Location Type: INDUSTRIAL
Source: UNKNOWN

27
West
1/4-1/2
0.340 mi.
1796 ft.

GLOBAL MONTELLO GROUP #1428
107 STATE ST
NEWBURYPORT, MA 01950

MA SHWS **U001005310**
MA UST **N/A**
MA RELEASE

Relative:
Higher

Actual:
62 ft.

SHWS:
Name: MOBIL SERVICE STATION 10586 (FMR 01-249)
Address: 107 STATE ST
City,State,Zip: NEWBURYPORT, MA 01950-6628
Facility ID: 3-0027998
Source Type: Not reported

GLOBAL MONTELLO GROUP #1428 (Continued) **U001005310**

Release Town:	NEWBURYPORT
Notification Date:	09/18/2008
Category:	120 DY
Associated ID:	Not reported
Current Status:	RAO
Status Date:	09/08/2010
Phase:	PHASE IV
Response Action Outcome:	TN
Oil Or Haz Material:	Hazardous Material

UST:

Facility:

Name:	GLOBAL MONTELLO GROUP #1428
Address:	107 STATE ST
City,State,Zip:	NEWBURYPORT, MA 01950
Facility ID:	5706
Owner Id:	10319
Owner:	GLOBAL MONTELLO GROUP CORPORATION
Owner Address:	800 SOUTH STREET SUITE 500
Owner City,St,Zip:	WALTHAM, MA 02454
Telephone:	9784659833
Description:	Retail Motor Vehicle Fuel
Facility address 2:	Not reported
Owner address 2:	P.O. BOX 9161
Latitude:	42.80680
Longitude:	-70.87177
Contact name:	Jason Frigon
Contact address1:	800 South Street, Suite 500
Contact address2:	P.O. Box 9161
Contact city:	Waltham
Contact state:	MA
Contact zip:	02454
Contact email:	jfrigon@globalp.com
Update:	2020-06-15 00:00:00
Update by:	Jason Frigon
Fac status:	OPEN

Name:	GLOBAL MONTELLO GROUP #1428
Address:	107 STATE ST
City,State,Zip:	NEWBURYPORT, MA 01950
Facility ID:	5706
Owner Id:	10319
Owner:	GLOBAL MONTELLO GROUP CORPORATION
Owner Address:	800 SOUTH STREET SUITE 500
Owner City,St,Zip:	WALTHAM, MA 02454
Telephone:	9784659833
Description:	Retail Motor Vehicle Fuel
Facility address 2:	Not reported
Owner address 2:	P.O. BOX 9161
Latitude:	42.80680
Longitude:	-70.87177
Contact name:	Jason Frigon
Contact address1:	800 South Street, Suite 500
Contact address2:	P.O. Box 9161
Contact city:	Waltham
Contact state:	MA

GLOBAL MONTELLO GROUP #1428 (Continued) **U001005310**

Contact zip: 02454
Contact email: jfrigon@globalp.com
Update: 2020-06-15 00:00:00
Update by: Jason Frigon
Fac status: OPEN

Tank ID: 1
Tank Status: Tank Removed
Status Date: 08/08/1987
Date Installed: 05/06/1972
Capacity: 5000.00000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 2
Tank Status: Tank Removed
Status Date: 08/08/1987
Date Installed: 05/06/1968
Capacity: 10000.00000
Contents: Gasoline
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N

GLOBAL MONTELLO GROUP #1428 (Continued) **U001005310**

Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 3
Tank Status: Tank Removed
Status Date: 08/08/1987
Date Installed: 05/06/1968
Capacity: 10000.00000
Contents: Gasoline
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 4
Tank Status: Tank Removed
Status Date: 08/08/1987
Date Installed: 05/06/1969
Capacity: 550.00000
Contents: Waste Oil
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported

GLOBAL MONTELLO GROUP #1428 (Continued) **U001005310**

Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 5
Tank Status: **Tank Temporarily Out**
Status Date: 08/31/2018
Date Installed: 08/01/1987
Capacity: 10000.00000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Quarterly visual inspection and annual product line tightness test
Latitude: Not reported
Longitude: Not reported
Tank construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Pipe construct: Double-walled non-corrodible material (No corrosion protection required)
Ptype: European suction system
Number of compartment: Not reported
Pipe install date: 08/01/1987
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: Y
Turbine sump sensor: Y
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Ball Float
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 6
Tank Status: **Tank Temporarily Out**
Status Date: 08/31/2018
Date Installed: 08/01/1987

GLOBAL MONTELLO GROUP #1428 (Continued) **U001005310**

Capacity: 6000.00000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Continuous Interstitial Space Monitoring
Latitude: Not reported
Longitude: Not reported
Tank construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Pipe construct: Double-walled non-corrodible material (No corrosion protection required)
Ptype: Pressurized piping system with electronic automatic line leak detection
Number of compartment: Not reported
Pipe install date: 08/01/1987
Pipe leak install date: Not reported
Submersible sump: Y
Submersible sump install date: Not reported
Turbine sump: Y
Turbine sump sensor: Y
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Ball Float
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 7
Tank Status: **Tank Temporarily Out**
Status Date: 08/31/2018
Date Installed: 08/01/1987
Capacity: 10000.00000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Continuous Interstitial Space Monitoring
Latitude: Not reported
Longitude: Not reported
Tank construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Pipe construct: Double-walled non-corrodible material (No corrosion protection required)
Ptype: Pressurized piping system with electronic automatic line leak detection
Number of compartment: Not reported
Pipe install date: 08/01/1987
Pipe leak install date: Not reported
Submersible sump: Y
Submersible sump install date: Not reported
Turbine sump: Y
Turbine sump sensor: Y
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Ball Float
Automatic line leak detect: Not reported
Tank corrosion type: Not reported

GLOBAL MONTELLO GROUP #1428 (Continued) **U001005310**

Leak corrosion type: Not reported

Tank ID: 8
Tank Status: **Tank Removed**
Status Date: 04/30/2008
Date Installed: 08/01/1987
Capacity: 550.00000
Contents: Waste Oil
Tank Usage: Not reported
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Release:
Name: MOBIL SERVICE STATION 10586 (FMR 01-249)
Address: 107 STATE ST
City,State,Zip: NEWBURYPORT, MA 01950-6628
Release Tracking Number/Current Status: 3-0027998 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 09/18/2008
Category: 120 DY
Status Date: 09/08/2010
Phase: PHASE IV
Response Action Outcome: TN - TN
Oil / Haz Material Type: Hazardous Material

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

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: 10/8/2008
Response Action Outcome: TN

GLOBAL MONTELLO GROUP #1428 (Continued) **U001005310**

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 3/8/2011
Response Action Outcome: TN

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 7/10/2009
Response Action Outcome: TN

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/18/2008
Response Action Outcome: TN

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 9/18/2008
Response Action Outcome: TN

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 9/18/2009
Response Action Outcome: TN

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 9/18/2009
Response Action Outcome: TN

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 9/18/2009
Response Action Outcome: TN

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 9/24/2009
Response Action Outcome: TN

Action Type: Response Action Outcome - RAO
Action Status: Periodic Review Opinion Evaluating Temp Solution
Action Date: 9/3/2015
Response Action Outcome: TN

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 9/8/2010
Response Action Outcome: TN

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 9/8/2010
Response Action Outcome: TN

Action Type: Phase 3
Action Status: Completion Statement Received

GLOBAL MONTELLO GROUP #1428 (Continued) **U001005310**

Action Date: 9/8/2010
Response Action Outcome: TN

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 9/8/2011
Response Action Outcome: TN

Chemicals:
Chemical: TOLUENE
Quantity: 166 milligrams per kilogram
Chemical: NAPTHALENE
Quantity: 15.9 milligrams per kilogram
Chemical: XYLENES
Quantity: 528 milligrams per kilogram
Chemical: ETHYLBENZENE
Quantity: 85.2 milligrams per kilogram

H28 **CITY BRANCH RAIL CORRIDOR** **US BROWNFIELDS** **1024008476**
NNW **REAR OF 157 WATER STREET** **FINDS** **N/A**
1/4-1/2 **NEWBURYPORT, MA 01950**
0.345 mi.
1819 ft. **Site 2 of 2 in cluster H**

Relative: **Lower**
Actual: **10 ft.**

US BROWNFIELDS:
Name: CITY BRANCH RAIL CORRIDOR
Address: REAR OF 157 WATER STREET
City,State,Zip: NEWBURYPORT, MA 01950
Recipient Name: Merrimack Valley Planning Commission
Grant Type: BCRLF
Property Number: -
Parcel size: 3.98
Latitude: 42.8113138
Longitude: -70.8660998
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: -
Datum: -
Acres Property ID: 235605
IC Data Access: -
Start Date: 03/27/2017
Redev Completition Date: -
Completed Date: -
Acres Cleaned Up: -
Cleanup Funding: 56000
Cleanup Funding Source: MVPC
Assessment Funding: -
Assessment Funding Source: -
Redevelopment Funding: -
Redev. Funding Source: -
Redev. Funding Entity Name: -
Redevelopment Start Date: -
Assessment Funding Entity: -
Cleanup Funding Entity: Brownfields RLF Program Income Subgranted
Grant Type: Hazardous
Accomplishment Type: -

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

Accomplishment Count:	-
Cooperative Agreement Number:	96109001
Start Date:	-
Ownership Entity:	-
Completion Date:	-
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Y
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	01/25/2017
State/tribal program ID:	3-0034010
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	Y
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	360
Below Poverty Percent:	10.03
Meidan Income:	8084
Meidan Income Number:	550
Meidan Income Percent:	15.32
Vacant Housing Number:	254
Vacant Housing Percent:	12.25
Unemployed Number:	142
Unemployed Percent:	3.96

Name:	CITY BRANCH RAIL CORRIDOR
Address:	REAR OF 157 WATER STREET
City,State,Zip:	NEWBURYPORT, MA 01950
Recipient Name:	Merrimack Valley Planning Commission
Grant Type:	BCRLF
Property Number:	-
Parcel size:	3.98
Latitude:	42.8113138
Longitude:	-70.8660998

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	235605
IC Data Access:	-
Start Date:	03/27/2017
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	100000
Cleanup Funding Source:	EPA
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	Brownfields RLF Grant Funds Subgranted
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	96109001
Start Date:	-
Ownership Entity:	-
Completion Date:	-
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Y
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	01/25/2017
State/tribal program ID:	3-0034010
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	Y
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	360
Below Poverty Percent:	10.03
Meidan Income:	8084
Meidan Income Number:	550
Meidan Income Percent:	15.32
Vacant Housing Number:	254
Vacant Housing Percent:	12.25
Unemployed Number:	142
Unemployed Percent:	3.96

Name:	CITY BRANCH RAIL CORRIDOR
Address:	REAR OF 157 WATER STREET
City,State,Zip:	NEWBURYPORT, MA 01950
Recipient Name:	Merrimack Valley Planning Commission
Grant Type:	BCRLF
Property Number:	-
Parcel size:	3.98
Latitude:	42.8113138
Longitude:	-70.8660998
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	235605
IC Data Access:	-
Start Date:	03/27/2017
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	20000
Cleanup Funding Source:	City of Newburyport
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	Cost Share
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	96109001
Start Date:	-
Ownership Entity:	-
Completion Date:	-
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	Y

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Y
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	01/25/2017
State/tribal program ID:	3-0034010
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	Y
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	360
Below Poverty Percent:	10.03
Meidan Income:	8084
Meidan Income Number:	550
Meidan Income Percent:	15.32
Vacant Housing Number:	254
Vacant Housing Percent:	12.25
Unemployed Number:	142
Unemployed Percent:	3.96

Name:	CITY BRANCH RAIL CORRIDOR
Address:	REAR OF 157 WATER STREET
City,State,Zip:	NEWBURYPORT, MA 01950
Recipient Name:	Merrimack Valley Planning Commission
Grant Type:	BCRLF
Property Number:	-
Parcel size:	3.98
Latitude:	42.8113138
Longitude:	-70.8660998
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	235605
IC Data Access:	-
Start Date:	03/27/2017
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

Cleanup Funding:	11200
Cleanup Funding Source:	City of Newburyport
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	Cost Share
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	96109001
Start Date:	-
Ownership Entity:	-
Completion Date:	-
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Y
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	01/25/2017
State/tribal program ID:	3-0034010
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	Y
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	360
Below Poverty Percent:	10.03
Meidan Income:	8084
Meidan Income Number:	550
Meidan Income Percent:	15.32
Vacant Housing Number:	254
Vacant Housing Percent:	12.25

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

Unemployed Number:	142
Unemployed Percent:	3.96
Name:	CITY BRANCH RAIL CORRIDOR
Address:	REAR OF 157 WATER STREET
City,State,Zip:	NEWBURYPORT, MA 01950
Recipient Name:	Merrimack Valley Planning Commission
Grant Type:	BCRLF
Property Number:	-
Parcel size:	3.98
Latitude:	42.8113138
Longitude:	-70.8660998
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	235605
IC Data Access:	-
Start Date:	03/27/2017
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	20000
Cleanup Funding Source:	City of Newburyport
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	Cost Share
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	00A00246
Start Date:	-
Ownership Entity:	-
Completion Date:	-
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Y
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	01/25/2017
State/tribal program ID:	3-0034010
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	Y
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	360
Below Poverty Percent:	10.03
Meidan Income:	8084
Meidan Income Number:	550
Meidan Income Percent:	15.32
Vacant Housing Number:	254
Vacant Housing Percent:	12.25
Unemployed Number:	142
Unemployed Percent:	3.96

Name:	CITY BRANCH RAIL CORRIDOR
Address:	REAR OF 157 WATER STREET
City,State,Zip:	NEWBURYPORT, MA 01950
Recipient Name:	Merrimack Valley Planning Commission
Grant Type:	BCRLF
Property Number:	-
Parcel size:	3.98
Latitude:	42.8113138
Longitude:	-70.8660998
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	235605
IC Data Access:	-
Start Date:	03/27/2017
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	100000
Cleanup Funding Source:	Merrimack Valley Planning Commission
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	Brownfields RLF Grant Funds Subgranted
Grant Type:	Hazardous

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	00A00246
Start Date:	-
Ownership Entity:	-
Completion Date:	-
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Y
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	01/25/2017
State/tribal program ID:	3-0034010
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	Y
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	360
Below Poverty Percent:	10.03
Meidan Income:	8084
Meidan Income Number:	550
Meidan Income Percent:	15.32
Vacant Housing Number:	254
Vacant Housing Percent:	12.25
Unemployed Number:	142
Unemployed Percent:	3.96

FINDS:
Registry ID: 110070149291

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to

CITY BRANCH RAIL CORRIDOR (Continued) **1024008476**

electronically submit data directly to EPA.

~~Click this hyperlink~~ while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

29
WNW
1/4-1/2
0.357 mi.
1884 ft.

GETTY STATION #30621
98 STATE ST
NEWBURYPORT, MA 01950

MA LUST **U003655605**
MA UST **N/A**
MA RELEASE

Relative:
Higher

Actual:
42 ft.

LUST:

Facility:

Name:	GETTY CORNER OF STATE AND HARRIS
Address:	98 STATE ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Current Status:	**NEWBURYPORT, MA 01950-0000**
Release Tracking Number/Current Status:	3-0017632 / RAO
Status Date:	08/02/1999
Source Type:	UST
Release Town:	NEWBURYPORT
Notification Date:	11/24/1998
Category:	72 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
Source:	UST

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

Chemicals:

Chemical:	GASOLINE
Quantity:	300 parts per million

Actions:

Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	11/24/1998
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:	11/24/1998
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	12/18/1998
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

GETTY STATION #30621 (Continued) **U003655605**

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	12/30/1998
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:	5/17/1999
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:	5/17/1999
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	8/2/1999
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Response Action Outcome - RAO
Action Status:	Fee Received - FMCRA Use Only
Action Date:	8/4/1999
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

UST:

Facility:

Name:	GETTY STATION #30621
Address:	98 STATE ST
City,State,Zip:	NEWBURYPORT, MA 01950
Facility ID:	19776
Owner Id:	139
Owner:	GETTY PETROLEUM MARKETING INC
Owner Address:	DEXTER RD & MASSASOIT AVE
Owner City,St,Zip:	EAST PROVIDENCE, RI 02914
Telephone:	Not reported
Description:	Retail Motor Vehicle Fuel
Facility address 2:	Not reported
Owner address 2:	Not reported
Latitude:	42.80843
Longitude:	-70.87150
Contact name:	Not reported
Contact address1:	Not reported
Contact address2:	Not reported
Contact city:	Not reported
Contact state:	Not reported
Contact zip:	Not reported
Contact email:	Not reported
Update:	1999-03-04 00:00:00
Update by:	Not reported

GETTY STATION #30621 (Continued) **U003655605**

Fac status: CLOSED

Tank ID: 1
Tank Status: Tank Removed
Status Date: 11/24/1998
Date Installed: 12/13/1979
Capacity: 8000.00000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Manual Tank Gauging (1,000G or more capacity tank)
Pipe Leak Detection: Annual Automatic Line Leak Detection Test
Latitude: Not reported
Longitude: Not reported
Tank construct: Single-walled metal tank (cathodic protection required)
Pipe construct: Single-walled metal (Corrosion protection required)
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 2
Tank Status: Tank Removed
Status Date: 11/24/1998
Date Installed: 12/13/1979
Capacity: 8000.00000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Manual Tank Gauging (1,000G or more capacity tank)
Pipe Leak Detection: Annual Automatic Line Leak Detection Test
Latitude: Not reported
Longitude: Not reported
Tank construct: Single-walled metal tank (cathodic protection required)
Pipe construct: Single-walled metal (Corrosion protection required)
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N

GETTY STATION #30621 (Continued) **U003655605**

Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 3
Tank Status: Tank Removed
Status Date: 11/24/1998
Date Installed: 12/13/1979
Capacity: 8000.00000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Manual Tank Gauging (1,000G or more capacity tank)
Pipe Leak Detection: Annual Automatic Line Leak Detection Test
Latitude: Not reported
Longitude: Not reported
Tank construct: Single-walled metal tank (cathodic protection required)
Pipe construct: Single-walled metal (Corrosion protection required)
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 4
Tank Status: Tank Removed
Status Date: 11/24/1998
Date Installed: 12/13/1979
Capacity: 10000.00000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Manual Tank Gauging (1,000G or more capacity tank)
Pipe Leak Detection: Annual Automatic Line Leak Detection Test
Latitude: Not reported
Longitude: Not reported
Tank construct: Single-walled metal tank (cathodic protection required)
Pipe construct: Single-walled metal (Corrosion protection required)
Ptype: Not reported
Number of compartment: Not reported

GETTY STATION #30621 (Continued) **U003655605**

Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Release:

Name:	GETTY CORNER OF STATE AND HARRIS
Address:	98 STATE ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0017632 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	11/24/1998
Category:	72 HR
Status Date:	08/02/1999
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type:	Oil

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

Actions:

Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	11/24/1998
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:	11/24/1998
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	12/18/1998
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:	12/30/1998
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been

GETTY STATION #30621 (Continued) **U003655605**

reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/17/1999
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: 5/17/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/2/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 8/4/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: GASOLINE
Quantity: 300 parts per million
Location Type: COMMERCIAL
Source: UST

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30 **NO LOCATION AID** **MA SHWS** **S106344187**
NNW **15 AND 23 LIBERTY ST** **MA INST CONTROL** **N/A**
1/4-1/2 **NEWBURYPORT, MA 01950** **MA RELEASE**
0.364 mi. **MA ENF**
1922 ft.

Relative: **Lower**
Actual: **15 ft.**

SHWS:
Name: NO LOCATION AID
Address: 15 AND 23 LIBERTY ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0022163
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 10/01/2002
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 06/15/2007
Phase: PHASE III
Response Action Outcome: B2
Oil Or Haz Material: Hazardous Material

INST CONTROL:
Name: NO LOCATION AID
Address: 15 AND 23 LIBERTY ST

NO LOCATION AID (Continued) **S106344187**

City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0022163
Action Type: AUL
Action Stat: LEGNOT
Action Date: 06/20/2007
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Name: NO LOCATION AID
Address: 15 AND 23 LIBERTY ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0022163
Action Type: AUL
Action Stat: RECPT
Action Date: 06/15/2007
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Name: NO LOCATION AID
Address: 15 AND 23 LIBERTY ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0022163
Action Type: AUL
Action Stat: SNAUDI
Action Date: 10/01/2015
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Release:
Name: NO LOCATION AID
Address: 15 AND 23 LIBERTY ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0022163 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 10/01/2002
Category: 120 DY
Status Date: 06/15/2007
Phase: PHASE III
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 1/11/2007
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

NO LOCATION AID (Continued) **S106344187**

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/1/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/1/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 10/1/2015
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 10/1/2015
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 10/13/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 10/19/2015
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

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: 10/31/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 10/8/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Phase 1

NO LOCATION AID (Continued) **S106344187**

Action Status: Completion Statement Received
Action Date: 10/8/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 10/8/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/8/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 12/16/2005
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 2/7/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 3/5/2008
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/30/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 6/15/2007
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received

NO LOCATION AID (Continued) **S106344187**

Action Date: 6/15/2007
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 6/20/2007
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 9/30/2005
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 9/30/2005
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Chemicals:
Chemical: PHENANTHRENE
Quantity: 4900 milligrams per kilogram
Chemical: NAPHTHALENE
Quantity: 570 milligrams per kilogram
Chemical: 2-METHYLNAPHTHALENE
Quantity: 250 milligrams per kilogram
Chemical: LEAD
Quantity: 1300 milligrams per kilogram
Chemical: BENZO[A]ANTHRACENE
Quantity: 1900 milligrams per kilogram
Chemical: BENZO[A]PYRENE
Quantity: 1400 milligrams per kilogram
Chemical: BENZO[B]FLUORANTHENE
Quantity: 1300 milligrams per kilogram

ENFORCEMENT:
Name: OTTAWAY NEWSPAPERS, INC.
Address: 15 AND 23 LIBERTY ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Region: NERO
DEP Region: NERO
DEP Program: 3r
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0022163
High Or Low Level Enforcement: LLE
FMF #: 0
Comptroller Billing Name: Not reported
Town Where Violation Occurred: Not reported

NO LOCATION AID (Continued) **S106344187**

Date Executed:	01/11/2007
ENF #:	NON-NE-07-3R064
Document Type:	NON
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

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31 **THE BOOK RACK** **MA SHWS** **S109146622**
NW **58 STATE ST** **MA LAST** **N/A**
1/4-1/2 **NEWBURYPORT, MA** **MA RELEASE**
0.376 mi.
1985 ft.

Relative:
Lower

Actual:
30 ft.

SHWS:

Name:	THE BOOK RACK
Address:	58 STATE ST
City,State,Zip:	NEWBURYPORT, MA
Facility ID:	3-0027611
Source Type:	PIPE
Release Town:	NEWBURYPORT
Notification Date:	04/03/2008
Category:	TWO HR
Associated ID:	Not reported
Current Status:	RAO
Status Date:	04/08/2009
Phase:	Not reported
Response Action Outcome:	A2
Oil Or Haz Material:	Oil

LAST:

Name:	THE BOOK RACK
Address:	58 STATE ST
City,State,Zip:	NEWBURYPORT, MA
Release Tracking Number/Current Status:	3-0027611 / RAO
Source Type:	AST
Release Town:	NEWBURYPORT
Notification Date:	04/03/2008
Category:	TWO HR
Associated ID:	Not reported
Status Date:	04/08/2009
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material:	Oil

Chemicals:

Chemical:	FUEL OIL #2

THE BOOK RACK (Continued) **S109146622**

Quantity:	200 gallons
Chemical:	#2 FUEL OIL
Quantity:	200 gallons
Location Type:	RESIDNTIAL
Location Type:	COMMERCIAL
Source:	PIPE
Source:	AST

Actions:

Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	11/3/2008
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	2/5/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	2/6/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	3/2/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	4/10/2008
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Response Action Outcome - RAO
Action Status:	Fee Received - FMCRA Use Only
Action Date:	4/13/2009
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:	4/14/2008
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	4/3/2008
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action

THE BOOK RACK (Continued) **S109146622**

Action Status: Completion Statement Received
Action Date: 4/8/2009
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: 4/8/2009
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: 4/9/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/9/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 4/9/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1A
Action Date: 4/9/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/9/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 4/9/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/13/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 5/22/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

THE BOOK RACK (Continued) **S109146622**

reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/2/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 6/23/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 6/4/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 7/10/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/5/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 8/5/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 8/9/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/30/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Name: THE BOOK RACK
Address: 58 STATE ST
City,State,Zip: NEWBURYPORT, MA
Release Tracking Number/Current Status: 3-0027611 / RAO
Primary ID: Not reported

THE BOOK RACK (Continued) **S109146622**

Official City:	NEWBURYPORT
Notification:	04/03/2008
Category:	TWO HR
Status Date:	04/08/2009
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type:	Oil

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

Actions:

Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	11/3/2008
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	2/5/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	2/6/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	3/2/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	4/10/2008
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	Response Action Outcome - RAO
Action Status:	Fee Received - FMCRA Use Only
Action Date:	4/13/2009
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:	4/14/2008
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	4/3/2008

THE BOOK RACK (Continued) **S109146622**

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: 4/8/2009
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: 4/8/2009
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: 4/9/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/9/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 4/9/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1A
Action Date: 4/9/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/9/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 4/9/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/13/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

THE BOOK RACK (Continued) **S109146622**

Action Type: RLFA
Action Status: FLDRAN
Action Date: 5/22/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/2/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 6/23/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 6/4/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 7/10/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/5/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 8/5/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 8/9/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/30/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: FUEL OIL #2
Quantity: 200 gallons

THE BOOK RACK (Continued) **S109146622**

Chemical:	#2 FUEL OIL
Quantity:	200 gallons
Location Type:	RESIDNTIAL
Location Type:	COMMERCIAL
Source:	PIPE
Source:	AST

I32 **W E ATKINSON CO** **MA SHWS** **S100041632**
NNW **27 WATER ST** **MA RELEASE** **N/A**
1/4-1/2 **NEWBURYPORT, MA 01950**
0.405 mi.
2136 ft. **Site 1 of 2 in cluster I**

Relative:
Lower

Actual:
10 ft.

SHWS:

Name:	W E ATKINSON CO
Address:	27 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950
Facility ID:	3-0002683
Source Type:	Not reported
Release Town:	NEWBURYPORT
Notification Date:	01/15/1990
Category:	NONE
Associated ID:	Not reported
Current Status:	RAO
Status Date:	12/30/2005
Phase:	PHASE IV
Response Action Outcome:	A2
Oil Or Haz Material:	Oil

Release:

Name:	W E ATKINSON CO
Address:	27 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950
Release Tracking Number/Current Status:	3-0002683 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	01/15/1990
Category:	NONE
Status Date:	12/30/2005
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

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

Actions:

Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	1/5/1995
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Tier Classification
Action Status:	Tier 2 Extension
Action Date:	11/10/1995
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been

W E ATKINSON CO (Continued) **S100041632**

reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 11/10/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 12/1/1989
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVREC
Action Date: 12/1/1989
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: 12/30/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVSIG
Action Date: 3/29/1990
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: 4/11/2002
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: 4/16/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/5/1990
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVACC
Action Date: 4/5/1990
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification

W E ATKINSON CO (Continued) **S100041632**

Action Status:	Tier 2 Transfer
Action Date:	5/2/2001
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:	5/27/2004
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	5/4/2004
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:	6/27/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Phase 3
Action Status:	Completion Statement Received
Action Date:	6/28/2001
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Phase 2
Action Status:	Completion Statement Received
Action Date:	6/28/2001
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:	6/28/2001
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Tier Classification
Action Status:	Tier 2 Transfer
Action Date:	7/8/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Tier Classification
Action Status:	Tier 2 Extension
Action Date:	7/8/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Partial RAO for this RTN
Action Status:	RAO Statement Received
Action Date:	8/14/1994
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been

W E ATKINSON CO (Continued) **S100041632**

reduced to background.

Chemicals:
Chemical: PETROLEUM
Quantity: Not reported
Location Type: FUEL DEPOT
Location Type: FORMER

33
WNW
1/4-1/2
0.407 mi.
2151 ft.

MOBIL GASOLINE STATION 01 249 **MA SHWS** **S105199753**
STATE ST HIGH ST **MA RELEASE** **N/A**
NEWBURYPORT, MA 01950

Relative:
Higher

Actual:
53 ft.

SHWS:
Name: MOBIL GASOLINE STATION 01 249
Address: STATE ST HIGH ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0004160
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 07/15/1993
Category: NONE
Associated ID: Not reported
Current Status: RAO
Status Date: 11/23/1994
Phase: PHASE II
Response Action Outcome: A2
Oil Or Haz Material: Not reported

Release:
Name: MOBIL GASOLINE STATION 01 249
Address: STATE ST HIGH ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0004160 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 07/15/1993
Category: NONE
Status Date: 11/23/1994
Phase: PHASE II
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:

Actions:
Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 11/23/1994
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

MOBIL GASOLINE STATION 01 249 (Continued) **S105199753**

Action Date: 11/23/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 7/15/1993
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported
Location Type: GASSTATION

J34 **M & V ELECTROPLATING** **SEMS-ARCHIVE** **1000135299**
West **5 GREENLEAF STREET** **MA SHWS** **MAD001042647**
1/4-1/2 **NEWBURYPORT, MA 01950** **MA UST**
0.427 mi. **MA RELEASE**
2254 ft. **Site 1 of 2 in cluster J** **RCRA NonGen / NLR**
PRP
Relative: Higher **ICIS**
FINDS
Actual: 61 ft. **ECHO**
RI MANIFEST
NY MANIFEST

SEMS Archive:
Site ID: 0100393
EPA ID: MAD001042647
Name: M & V ELECTROPLATING
Address: 5 GREENLEAF STREET
Address 2: Not reported
City,State,Zip: NEWBURYPORT, MA 01950-3956
Cong District: 06
FIPS Code: 25009
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 01
Site ID: 0100393
EPA ID: MAD001042647
Site Name: M & V ELECTROPLATING
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 2011-10-28 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 01
Site ID: 0100393

M & V ELECTROPLATING (Continued) **1000135299**

EPA ID:	MAD001042647
Site Name:	M & V ELECTROPLATING
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1981-06-01 04:00:00
Finish Date:	1981-06-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	01
Site ID:	0100393
EPA ID:	MAD001042647
Site Name:	M & V ELECTROPLATING
NPL:	N
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	1
Start Date:	1995-10-16 04:00:00
Finish Date:	1996-04-18 04:00:00
Qual:	C
Current Action Lead:	EPA Perf

Region:	01
Site ID:	0100393
EPA ID:	MAD001042647
Site Name:	M & V ELECTROPLATING
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1983-07-01 04:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	01
Site ID:	0100393
EPA ID:	MAD001042647
Site Name:	M & V ELECTROPLATING
NPL:	N
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	1995-05-10 04:00:00
Finish Date:	1995-05-15 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

M & V ELECTROPLATING (Continued) **1000135299**

Region: 01
Site ID: 0100393
EPA ID: MAD001042647
Site Name: M & V ELECTROPLATING
NPL: N
FF: N
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 1996-02-05 05:00:00
Finish Date: Not reported
Qual: V
Current Action Lead: EPA Perf

Region: 01
Site ID: 0100393
EPA ID: MAD001042647
Site Name: M & V ELECTROPLATING
NPL: N
FF: N
OU: 00
Action Code: BB
Action Name: PRP RV
SEQ: 1
Start Date: 1995-10-11 04:00:00
Finish Date: 1995-12-12 05:00:00
Qual: C
Current Action Lead: EPA Ovrsght

SHWS:
Name: M&V ELECTROPLATING CORP
Address: 5 GREENLEAF 2-4 FULTON ST
City,State,Zip: NEWBURYPORT, MA 01950
Facility ID: 3-0001690
Source Type: DRYWELL
Release Town: NEWBURYPORT
Notification Date: 01/15/1987
Category: NONE
Associated ID: Not reported
Current Status: RAO
Status Date: 07/13/2001
Phase: PHASE II
Response Action Outcome: A2
Oil Or Haz Material: Not reported

UST:

Facility:
Name: M & V ELECTROPLATING CORP
Address: 5 GREENLEAF ST
City,State,Zip: NEWBURYPORT, MA 01950
Facility ID: 30071
Owner Id: 4636
Owner: M & V ELECTROPLATING CORP
Owner Address: 5 GREENLEAF ST

M & V ELECTROPLATING (Continued) **1000135299**

Owner City,St,Zip: NEWBURYPORT, MA 01950
Telephone: Not reported
Description: Manufacturing
Facility address 2: Not reported
Owner address 2: Not reported
Latitude: 42.80572
Longitude: -70.87354
Contact name: Not reported
Contact address1: Not reported
Contact address2: Not reported
Contact city: Not reported
Contact state: Not reported
Contact zip: Not reported
Contact email: Not reported
Update: 2001-03-16 00:00:00
Update by: Not reported
Fac status: CLOSED

Tank ID: 1
Tank Status: Tank Removed
Status Date: 02/13/2001
Date Installed: 01/03/1955
Capacity: 6800.00000
Contents: Bulk Heati
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Release:
Name: M&V ELECTROPLATING CORP
Address: 5 GREENLEAF 2-4 FULTON ST
City,State,Zip: NEWBURYPORT, MA 01950
Release Tracking Number/Current Status: 3-0001690 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT

M & V ELECTROPLATING (Continued) **1000135299**

Notification: 01/15/1987
Category: NONE
Status Date: 07/13/2001
Phase: PHASE II
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:

Actions:

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1987
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 1/25/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 10/14/1999
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: 10/8/1999
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: 10/8/1999
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: 10/8/1999
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: 2/2/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 3/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

M & V ELECTROPLATING (Continued) **1000135299**

reduced to background.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 3/8/2011
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: 4/10/1995
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: 4/26/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/26/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 6/6/2001
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: 7/13/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 7/13/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVSIG
Action Date: 7/16/1990
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVACC
Action Date: 8/15/1990
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS

M & V ELECTROPLATING (Continued) **1000135299**

Action Status: WAVREC
Action Date: 9/7/1989
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported
Location Type: INDUSTRIAL
Source: DRYWELL

RCRA NonGen / NLR:

Date Form Received by Agency:	1980-07-01 00:00:00.0
Handler Name:	M&V ELECTROPLATING CORP
Handler Address:	5 GREENLEAF ST
Handler City,State,Zip:	NEWBURYPORT, MA 01950
EPA ID:	MAD001042647
Contact Name:	THOMAS-J VIGEANT
Contact Address:	PO BOX 431
Contact City,State,Zip:	NEWBURYPORT, MA 01950
Contact Telephone:	508-462-6646
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	01
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	MA
State District:	N
Mailing Address:	PO BOX 431
Mailing City,State,Zip:	NEWBURYPORT, MA 01950
Owner Name:	M & V ELECTROPLATING CORP
Owner Type:	Private
Operator Name:	M&V ELECTROPLATING CORPORATION
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---

M & V ELECTROPLATING (Continued) **1000135299**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2017-10-20 14:09:14.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	F006
Waste Description:	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Waste Code:	F007
Waste Description:	SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.
Waste Code:	F008

M & V ELECTROPLATING (Continued) **1000135299**

Waste Description: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: F009
Waste Description: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: P014
Waste Description: BENZENETHIOL (OR) THIOPHENOL

Waste Code: P029
Waste Description: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

Waste Code: P030
Waste Description: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste Code: P074
Waste Description: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2

Waste Code: P098
Waste Description: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

Waste Code: P106
Waste Description: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

Waste Code: P121
Waste Description: ZINC CYANIDE (OR) ZINC CYANIDE ZN(CN)2

Waste Code: U103
Waste Description: DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER

Waste Code: U202
Waste Description: 1,2-BENZISOTHIAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS (OR) SACCHARIN, & SALTS

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	M & V ELECTROPLATING CORP
Legal Status:	Private
Date Became Current:	2004-10-16 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 431
Owner/Operator City,State,Zip:	NEWBURYPORT, MA 01950
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	M&V ELECTROPLATING CORPORATION
Legal Status:	Private
Date Became Current:	1968-03-01 00:00:00.
Date Ended Current:	1997-06-30 00:00:00.
Owner/Operator Address:	PO BOX 431
Owner/Operator City,State,Zip:	NEWBURYPORT, MA 01950
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

M & V ELECTROPLATING (Continued) **1000135299**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1980-07-01 00:00:00.0
Handler Name: M&V ELECTROPLATING CORP
Federal Waste Generator Description: Not a generator, verified
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332813
NAICS Description: ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 1994-09-12 00:00:00.0
Actual Return to Compliance Date: 1999-09-12 00:00:00.0
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

M & V ELECTROPLATING (Continued) **1000135299**

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	1994-09-12 00:00:00.0
Actual Return to Compliance Date:	1999-09-12 00:00:00.0
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	1994-09-12 00:00:00.0
Actual Return to Compliance Date:	1999-09-12 00:00:00.0
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported

M & V ELECTROPLATING (Continued) **1000135299**

Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

M & V ELECTROPLATING (Continued) **1000135299**

Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1989-02-02 00:00:00.0
Actual Return to Compliance Date: 1991-07-17 00:00:00.0
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: 1989-03-21 00:00:00.0
Enforcement Identifier: 001
Date of Enforcement Action: 1989-02-17 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported

M & V ELECTROPLATING (Continued) **1000135299**

Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: NE
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

M & V ELECTROPLATING (Continued) **1000135299**

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	1994-09-12 00:00:00.0
Actual Return to Compliance Date:	1999-09-12 00:00:00.0
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	1994-09-12 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1999-09-12 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1994-09-12 00:00:00.0

M & V ELECTROPLATING (Continued) **1000135299**

Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1999-09-12 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1994-09-12 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1999-09-12 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1991-07-17 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R1GPT
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1989-03-31 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE SCHEDULE EVALUATION
Evaluation Responsible Person Identifier:	R1DB
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1989-02-02 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DJBMA
Evaluation Responsible Sub-Organization:	NE

M & V ELECTROPLATING (Continued) **1000135299**

Actual Return to Compliance Date:	1991-07-17 00:00:00.0
Scheduled Compliance Date:	1989-03-21 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1995-05-10 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	R1LP
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1994-09-12 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1999-09-12 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PRP Name:
CIRCLE FINISHING CORPORATION
CIRCLE FINISHING CORPORATION
CIRCLE FINISHING CORPORATION
M AND V ELECTROPLATING CORP.
M AND V ELECTROPLATING CORP.
M AND V ELECTROPLATING CORP.
VIGEANT JOYCE
VIGEANT JOYCE

ICIS:

Enforcement Action ID:	01-1999-0175
FRS ID:	110002086475
Action Name:	CIRCLE FINISHING (M&V ELCTROPLATING SITE)
Facility Name:	M & V ELECTROPLATING CORPORATION
Facility Address:	5 GREENLEAF ST. NEWBURYPORT, MA 01950
Enforcement Action Type:	CERCLA 122h Agrmt For Cost Recovery
Facility County:	ESSEX
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	122H
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported

M & V ELECTROPLATING (Continued) **1000135299**

Latitude in Decimal Degrees:	42.805739
Longitude in Decimal Degrees:	-70.873485
Permit Type Desc:	Not reported
Program System Acronym:	22078
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	01-1996-0131
FRS ID:	110002086475
Action Name:	M & V ELECTROPLATING INC
Facility Name:	M & V ELECTROPLATING CORPORATION
Facility Address:	5 GREENLEAF ST. NEWBURYPORT, MA 01950
Enforcement Action Type:	Bankruptcy
Facility County:	ESSEX
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Judicial
EA Type Code:	BNK
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.805739
Longitude in Decimal Degrees:	-70.873485
Permit Type Desc:	Not reported
Program System Acronym:	22078
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	01-1995-0084
FRS ID:	110002086475
Action Name:	M & V ELECTROPLATING CORPORATION SITE
Facility Name:	M & V ELECTROPLATING CORPORATION
Facility Address:	5 GREENLEAF ST. NEWBURYPORT, MA 01950
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz
Facility County:	ESSEX
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	106
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.805739
Longitude in Decimal Degrees:	-70.873485
Permit Type Desc:	Not reported
Program System Acronym:	22078
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	01-1993-0024
FRS ID:	110002086475
Action Name:	M & V ELECTROPLATING CORP
Facility Name:	M & V ELECTROPLATING CORPORATION
Facility Address:	5 GREENLEAF ST. NEWBURYPORT, MA 01950
Enforcement Action Type:	Collection Action
Facility County:	ESSEX
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Judicial

M & V ELECTROPLATING (Continued) **1000135299**

EA Type Code: COL
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.805739
Longitude in Decimal Degrees: -70.873485
Permit Type Desc: Not reported
Program System Acronym: 22078
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No

M & V ELECTROPLATING (Continued) **1000135299**

NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported

M & V ELECTROPLATING (Continued) **1000135299**

SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

M & V ELECTROPLATING (Continued) **1000135299**

Facility Name: M & V ELECTROPLATING CO
Address: 5 GREENLEAF ST.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

FINDS:
Registry ID: 110002086475

Click Here:

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.
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
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
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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000135299
Registry ID: 110002086475
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002086475
Name: M & V ELECTROPLATING CORP
Address: 5 GREENLEAF ST.
City,State,Zip: NEWBURYPORT, MA 01950

RI MANIFEST:

M & V ELECTROPLATING (Continued) **1000135299**

EPA Id:	MAD001042647
GEN Cert Date:	3/24/1994
Manifest Document Number:	RIC0028915
Waste Description:	HAZ WASTE SOLID NOS
TSDF Id:	RID040098352
TSDF Name:	NORTHLAND ENVIRONMENTAL INC
Qty:	6000
WT/Vol Units:	P
TSDF Date:	Not reported
Transporter 2 Id:	Not reported
Item Number:	1
Transporter 2 Name:	Not reported
Transporter Name 2:	JEFFREY CHEMICAL CO INC
Transporter EPAID:	MAD080030356
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	F006
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Fee Exempt Code:	Not reported
Comment:	Not reported
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
Quarter:	Not reported
Transporter Contact Name:	Not reported
Transporter Contact Email:	Not reported
Filing Date:	Not reported
Total Fee:	Not reported
Billing Name:	Not reported
Paid Date:	Not reported
Paid Time:	Not reported
Facility Receipt Date:	Not reported
Fee:	Not reported
Manifest Created Date:	Not reported
Manifest Updated Date:	Not reported

RI MANIFEST:

Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	F006
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	NORTHLAND ENVIRONMENTAL INC
TSDF Id:	RID040098352
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported

M & V ELECTROPLATING (Continued) **1000135299**

EPA ID:	MAD001042647
Manifest Docket Number:	RIC0028915
Quarter:	Not reported
Waste Description:	HAZ WASTE SOLID NOS
Transporter Contact Name:	Not reported
Quantity:	6000
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	JEFFREY CHEMICAL CO INC
Billing Name:	Not reported
Transporter EPA ID:	MAD080030356
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	3/24/1994
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported
Transporter Receipt Date:	Not reported
Number Of Containers:	0
Container Type:	Not reported
Waste Code1:	F006
Waste Code2:	Not reported
Waste Code3:	Not reported
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	NORTHLAND ENVIRONMENTAL INC
TSDF Id:	RID040098352
Transporter Name 2:	Not reported
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	MAD001042647
Manifest Docket Number:	RIC0028915
Quarter:	Not reported
Waste Description:	HAZ WASTE SOLID NOS
Transporter Contact Name:	Not reported
Quantity:	6000
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	JEFFREY CHEMICAL CO INC
Billing Name:	Not reported
Transporter EPA ID:	MAD080030356
Date Paid:	Not reported
Time Paid:	Not reported

M & V ELECTROPLATING (Continued) **1000135299**

GEN Cert Date:	3/24/1994
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	Not reported
Manifest Created Date:	Not reported
TSDF Receipt Date:	Not reported
Transporter 2 ID:	Not reported
Manifest Updated Date:	Not reported

NY MANIFEST:

Name:	M & V ELECTROPLATING CORP
Address:	5 GREENLEAF ST
City,State,Zip:	NEWBURYPORT, MA 01950
Country:	USA
EPA ID:	MAD001042647
Facility Status:	Not reported
Location Address 1:	5 GREENLEAF ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NEWBURYPORT
Location State:	MA
Location Zip:	01950
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	MAD001042647
Mailing Name:	M & V ELECTROPLATING CORP
Mailing Contact:	THOMAS CLARK ENV MANAGER
Mailing Address 1:	5 GREENLEAF ST
Mailing Address 2:	Not reported
Mailing City:	NEWBURYPORT
Mailing State:	MA
Mailing Zip:	01950
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	6174626646

NY MANIFEST:

Document ID:	NYO2795193
Manifest Status:	C
seq:	Not reported
Year:	1983
Trans1 State ID:	MA025
Trans2 State ID:	Not reported
Generator Ship Date:	08/30/1983
Trans1 Recv Date:	08/30/1983
Trans2 Recv Date:	/ /
TSD Site Recv Date:	08/31/1983
Part A Recv Date:	09/07/2003
Part B Recv Date:	09/07/2003
Generator EPA ID:	MAD001042647
Trans1 EPA ID:	MAD084814136
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049836679
TSDF ID 2:	Not reported

M & V ELECTROPLATING (Continued) **1000135299**

Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100

I35 **NEWBURYPORT HARBOR** **MA SHWS S123244330**
NNW **25 WATER STREET** **MA RELEASE N/A**
1/4-1/2 **NEWBURYPORT, MA 01950**
0.437 mi.
2308 ft. **Site 2 of 2 in cluster I**

Relative: **Lower**
Actual: **6 ft.**

SHWS:

Name:	NEWBURYPORT HARBOR
Address:	25 WATER STREET
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0035132
Source Type:	BOAT
Release Town:	NEWBURYPORT
Notification Date:	08/24/2018
Category:	TWO HR
Associated ID:	Not reported
Current Status:	PSNC
Status Date:	10/19/2018
Phase:	Not reported
Response Action Outcome:	PN
Oil Or Haz Material:	Oil

Release:

Name:	NEWBURYPORT HARBOR
Address:	25 WATER STREET
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0035132 / PSNC
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	08/24/2018
Category:	TWO HR

NEWBURYPORT HARBOR (Continued) **S123244330**

Status Date: 10/19/2018
Phase: Not reported
Response Action Outcome: PN - PN
Oil / Haz Material Type: Oil

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

Actions:

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/19/2018
Response Action Outcome: PN

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 10/19/2018
Response Action Outcome: PN

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/19/2018
Response Action Outcome: PN

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/24/2018
Response Action Outcome: PN

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 8/24/2018
Response Action Outcome: PN

Action Type: RLFA
Action Status: FLDD1U
Action Date: 8/24/2018
Response Action Outcome: PN

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: 9/26/2018
Response Action Outcome: PN

Chemicals:

Chemical: DIESEL FUEL
Quantity: 100 gallons
Location Type: WATERBODY
Source: BOAT

J36 **FORMER M&V ELECTROPLATING** **MA SHWS** **S105199967**
West **2-4 FULTON ST AND 5 GREENLEAF ST** **MA BROWNFIELDS** **N/A**
1/4-1/2 **NEWBURYPORT, MA 01950** **MA RELEASE**
0.458 mi.
2417 ft. **Site 2 of 2 in cluster J**

Relative:
Higher

Actual:
55 ft.

SHWS:

Name:	FORMER M&V ELECTROPLATING
Address:	2-4 FULTON ST AND 5 GREENLEAF ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0020998
Source Type:	Not reported
Release Town:	NEWBURYPORT
Notification Date:	07/13/2001
Category:	120 DY
Associated ID:	Not reported
Current Status:	RAO
Status Date:	07/13/2001
Phase:	Not reported
Response Action Outcome:	Not reported
Oil Or Haz Material:	Hazardous Material

BROWNFIELDS:

SR Num:	40
Year:	2000
Applicants:	Not reported
Project:	A Brownfields Covenant with real estate developer Fulton Street Realty Trust (FSRT) to clean up a former electroplating facility in a residential area. The M&V Electroplating Company operated the plant from the 1950's until 1995, when the company went into bankruptcy. The abandoned site soon became blighted and vandalized and maintained a stigma of urban decay and economic decline for nearby residents. After demolition and removal of deteriorated industrial buildings and cleanup of the site, the 38,000 square foot parcel now boasts eight residential condominium units in three separate buildings that are consistent with the style and character of the surrounding neighborhood. In addition, the City of Newburyport was paid back real estate taxes, back sewer fees and fines.
URL:	Not reported

BROWNFIELDS 2:

Name:	FORMER M&V ELECTROPLATING
Address:	2-4 FULTON ST AND 5 GREENLEAF ST
City,State,Zip:	NEWBURYPORT, MA
RTN:	3-0020998
RAO Class:	Not reported
Other RTNs:	Not reported
Current Owner:	2-4 Fulton Realty Trust
MCP Status:	RAO
AUL:	Not reported
COCs:	Trichloroethylene
Former Use:	Not reported
Current Use:	Not reported
Total Acreage:	0.9

Release:

Name:	FORMER M&V ELECTROPLATING
Address:	2-4 FULTON ST AND 5 GREENLEAF ST

FORMER M&V ELECTROPLATING (Continued) **S105199967**

City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0020998 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 07/13/2001
Category: 120 DY
Status Date: 07/13/2001
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 3/8/2011
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 6/6/2001
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/13/2001
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 7/13/2001
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/13/2001
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/13/2001
Response Action Outcome: Not reported

Chemicals:

Chemical: TRICHLOROETHYLENE
Quantity: 25 milligrams per kilogram

37 NW 1/4-1/2 0.467 mi. 2465 ft. | **OLD NEWBURYPORT FIRE STATION**
MARKET PL
NEWBURYPORT, MA 01950 | **MA LUST** / **MA RELEASE** | **S100537087** / **N/A**

Relative: Lower

Actual: 12 ft.

LUST:

Facility:

Name:	OLD NEWBURYPORT FIRE STATION
Address:	MARKET PL
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Current Status:	**NEWBURYPORT, MA 01950-0000**
Release Tracking Number/Current Status:	3-0004517 / RAO
Status Date:	08/15/2005
Source Type:	UST
Release Town:	NEWBURYPORT
Notification Date:	07/15/1993
Category:	NONE
Associated ID:	Not reported
Phase:	PHASE II
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material:	Not reported
Location Type:	FORMER
Location Type:	GASSTATION
Source:	UST

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

Chemicals:

Chemical:	UNKNOWN
Quantity:	Not reported

Actions:

Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	6/16/2004
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	7/15/1993
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:	7/31/1998
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:	7/31/1998
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been

OLD NEWBURYPORT FIRE STATION (Continued) **S100537087**

reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/31/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Status or Interim Report Received
Action Date: 7/7/2005
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: 8/15/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 8/16/2004
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: 8/16/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: NON-A
Action Date: 8/25/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Name: OLD NEWBURYPORT FIRE STATION
Address: MARKET PL
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0004517 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 07/15/1993
Category: NONE
Status Date: 08/15/2005
Phase: PHASE II
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:

OLD NEWBURYPORT FIRE STATION (Continued) **S100537087**

Actions:

Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	6/16/2004
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	7/15/1993
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:	7/31/1998
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:	7/31/1998
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	7/31/1998
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Phase 2
Action Status:	Status or Interim Report Received
Action Date:	7/7/2005
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:	8/15/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Phase 2
Action Status:	Scope of Work Received
Action Date:	8/16/2004
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:	8/16/2004
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Compliance and Enforcement Action
Action Status:	NON-A

OLD NEWBURYPORT FIRE STATION (Continued) **S100537087**

Action Date: 8/25/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported
Location Type: FORMER
Location Type: GASSTATION
Source: UST

38
NW
1/4-1/2
0.469 mi.
2478 ft.

VERIZON MASSACHUSETTS #592107
33 GREEN ST
NEWBURYPORT, MA 01950

MA LUST **U003096574**
MA UST **N/A**
MA AST
MA RELEASE
MA TIER 2

Relative:
Lower

Actual:
34 ft.

LUST:

Facility:
Name: NO LOCATION AID
Address: 33 GREEN ST
City,State,Zip: NEWBURYPORT, MA 01950
Current Status: **NEWBURYPORT, MA 01950**
Release Tracking Number/Current Status: 3-0011521 / RAO
Status Date: 12/20/1994
Source Type: UST
Release Town: NEWBURYPORT
Notification Date: 08/24/1994
Category: 72 HR
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: UST

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

Chemicals:
Chemical: DIESEL FUEL
Quantity: 50 parts per million
Chemical: DIESEL FUEL
Quantity: 50 parts per million
Chemical: #2 FUEL OIL
Quantity: Not reported

Actions:
Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 11/3/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

VERIZON MASSACHUSETTS #592107 (Continued) **U003096574**

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	12/20/1994
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	8/24/1994
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	8/24/1994
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	8/24/1994
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	9/26/1994
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	9/6/1994
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

UST:

Facility:

Name:	VERIZON MASSACHUSETTS #592107
Address:	33 GREEN ST
City,State,Zip:	NEWBURYPORT, MA 01950
Facility ID:	5697
Owner Id:	6309
Owner:	VERIZON NEW ENGLAND INC
Owner Address:	2 HAMPSHIRE ST
Owner City,St,Zip:	LAWRENCE, MA 01840
Telephone:	9786883028
Description:	Utilities
Facility address 2:	Not reported
Owner address 2:	Not reported
Latitude:	42.80986
Longitude:	-70.87249
Contact name:	William Irwin
Contact address1:	2 Hampshire Street
Contact address2:	Not reported

VERIZON MASSACHUSETTS #592107 (Continued) **U003096574**

Contact city: Lawrence
Contact state: MA
Contact zip: 01840
Contact email: b.irwin@verizon.com
Update: 2019-07-17 00:00:00
Update by: William Irwin
Fac status: OPEN

Name: VERIZON MASSACHUSETTS #592107
Address: 33 GREEN ST
City,State,Zip: NEWBURYPORT, MA 01950
Facility ID: 5697
Owner Id: 6309
Owner: VERIZON NEW ENGLAND INC
Owner Address: 2 HAMPSHIRE ST
Owner City,St,Zip: LAWRENCE, MA 01840
Telephone: 9786883028
Description: Utilities
Facility address 2: Not reported
Owner address 2: Not reported
Latitude: 42.80986
Longitude: -70.87249
Contact name: William Irwin
Contact address1: 2 Hampshire Street
Contact address2: Not reported
Contact city: Lawrence
Contact state: MA
Contact zip: 01840
Contact email: b.irwin@verizon.com
Update: 2019-07-17 00:00:00
Update by: William Irwin
Fac status: OPEN

Tank ID: 1
Tank Status: **Tank Removed**
Status Date: 03/20/1995
Date Installed: 01/01/1966
Capacity: 2000.00000
Contents: Diesel
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N

VERIZON MASSACHUSETTS #592107 (Continued) **U003096574**

Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 4
Tank Status: In Use
Status Date: 11/17/2009
Date Installed: 11/17/2009
Capacity: 2500.00000
Contents: Diesel
Tank Usage: Emergency
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Continuous Interstitial Space Monitoring
Latitude: Not reported
Longitude: Not reported
Tank construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Pipe construct: Double-walled non-corrodible material (No corrosion protection required)
Ptype: Non-European suction System
Number of compartment: Not reported
Pipe install date: 11/17/2009
Pipe leak install date: 11/17/2009
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: Y
Turbine sump sensor: Y
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: 11/17/2009
Spill bucket sensor: N
Overfill protect install: 11/17/2009
Overfill protect type: High level alarm
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

AST:
Name: Not reported
Address: Not reported
City,State,Zip: MA
Owner Name: Not reported
Tank Type: Not reported
Class: Not reported
Stage I Type: Not reported
CARB # or System Type: Not reported
Test Cycle: Not reported
Date Form Mailed: Not reported
Test Date: Not reported
Postmark Date: Not reported
Due Date: Not reported
Form: Not reported
Form Rcvd and Complete?: Not reported
Facility ID: 5697

VERIZON MASSACHUSETTS #592107 (Continued) **U003096574**

Tank ID:	2
Serial Number:	Not reported
Tank Status:	In Use
Capacity:	660
Contents:	Diesel
Tank Use:	Other
Tank Material:	Steel
Tank Construction:	1 Wall
Tank Leak Detection:	Not reported
Pipe Material:	Steel
Pipe Construction:	1 Wall
Pipe Leak Detection:	Suction: Check Valve at Tank Only
Aboveground:	Y

Name:	Not reported
Address:	Not reported
City,State,Zip:	MA
Owner Name:	Not reported
Tank Type:	Not reported
Class:	Not reported
Stage I Type:	Not reported
CARB # or System Type:	Not reported
Test Cycle:	Not reported
Date Form Mailed:	Not reported
Test Date:	Not reported
Postmark Date:	Not reported
Due Date:	Not reported
Form:	Not reported
Form Rcvd and Complete?:	Not reported
Facility ID:	5697
Tank ID:	3
Serial Number:	Not reported
Tank Status:	In Use
Capacity:	660
Contents:	Diesel
Tank Use:	Other
Tank Material:	Steel
Tank Construction:	1 Wall
Tank Leak Detection:	Not reported
Pipe Material:	Steel
Pipe Construction:	1 Wall
Pipe Leak Detection:	Suction: Check Valve at Tank Only
Aboveground:	Y

Release:

Name:	NO LOCATION AID
Address:	33 GREEN ST
City,State,Zip:	NEWBURYPORT, MA 01950
Release Tracking Number/Current Status:	3-0011521 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	08/24/1994
Category:	72 HR
Status Date:	12/20/1994
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.

VERIZON MASSACHUSETTS #592107 (Continued) **U003096574**

Oil / Haz Material Type: Oil

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

Actions:

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 11/3/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/20/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/24/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/24/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 8/24/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 9/26/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 9/6/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:

Chemical: DIESEL FUEL
Quantity: 50 parts per million
Chemical: DIESEL FUEL
Quantity: 50 parts per million
Chemical: #2 FUEL OIL
Quantity: Not reported
Location Type: COMMERCIAL
Source: UST

VERIZON MASSACHUSETTS #592107 (Continued) **U003096574**

TIER 2:

Name:	VERIZON NEWBURYPORT CO (VZ- MA592107)
Address:	33 GREEN ST
City,State,Zip:	NEWBURYPORT, MA 01950
Report Year:	2018
Facility Id:	FATR2018000000038239
Facility Dept:	Not reported
Latitude:	42.810300
Longitude:	-70.873100
Mailing Address:	One Verizon Way, MC: 33E040F
Mailing City/State/Zip:	07920-1097
Mailing Country:	Not reported
Notes:	Not reported
All Chemicals Same As Last Yr:	Not reported
Date Signed:	2019-01-25
Dike Or Other Safeguard:	Not reported
Failed Validation:	Not reported
Date Modified:	01/25/2019
Fees Total:	Not reported
Num Of Employees:	7
Site Coord Abbreviated?:	false
Site Map:	Not reported
State Label Code:	Not reported
Submitted By:	Not reported
Validation Report:	Not reported
Fire District:	Not reported
Latlong Location Description:	Not reported
Latlong Method:	Not reported
Record Key:	FDTR2018000000021001
Id:	Not reported
Type:	RMP
Description:	Not reported
Last Modified:	Not reported
Record Key:	FDTR2018000000021002
Id:	Not reported
Type:	State ID
Description:	Not reported
Last Modified:	Not reported
Record Key:	FDTR2018000000021003
Id:	Not reported
Type:	TRI
Description:	Not reported
Last Modified:	Not reported
Record Key:	FDTR2018000000021004
Id:	Not reported
Type:	DUN & BradStreet
Description:	Not reported
Last Modified:	Not reported
Record Key:	FDTR2018000000021005
Id:	Not reported
Type:	EIN
Description:	Not reported

VERIZON MASSACHUSETTS #592107 (Continued) **U003096574**

Last Modified: Not reported

Record Key: FDTR2018000000021006
Id: Not reported
Type: SIC
Description: Not reported
Last Modified: Not reported

Record Key: FDTR2018000000021007
Id: Not reported
Type: NAICS
Description: Not reported
Last Modified: Not reported

Record Key: FDTR2018000000021008
Id: Not reported
Type: T2M Facility ID
Description: Not reported
Last Modified: Not reported

Contact:
Report Year: 2018
Contact Record Id: CTTR2018353360P38239
Title: Not reported
Contact Name: Not reported
Contact Email: Not reported
Contact Mail Address: 33 GREEN ST
Contact Mail City: NEWBURYPORT
Contact Mail State: MA
Contact Mail Zip: 01950
Contact Mail Country: US
Contact1 Type: Other
Contact2 Type: Not reported
Contact3 Type: Not reported
Contact4 Type: Not reported
Modification Date: 1900-01-01

Contact:
Report Year: 2018
Contact Record Id: CTTR2018353361P38239
Title: Manager, Verizon EHS Department
Contact Name: Irwin
Contact Email: b.irwin@verizon.com
Contact Mail Address: Not reported
Contact Mail City: Not reported
Contact Mail State: Not reported
Contact Mail Zip: Not reported
Contact Mail Country: Not reported
Contact1 Type: Tier II Information Contact
Contact2 Type: Not reported
Contact3 Type: Not reported
Contact4 Type: Not reported
Modification Date: 1900-01-01

VERIZON MASSACHUSETTS #592107 (Continued) **U003096574**

Contact:
Report Year: 2018
Contact Record Id: CTTR2018353356P38239
Title: Not reported
Contact Name: Not reported
Contact Email: Not reported
Contact Mail Address: Not reported
Contact Mail City: Not reported
Contact Mail State: NJ
Contact Mail Zip: Not reported
Contact Mail Country: US
Contact1 Type: Parent Company
Contact2 Type: Not reported
Contact3 Type: Not reported
Contact4 Type: Not reported
Modification Date: 1900-01-01

Contact:
Report Year: 2018
Contact Record Id: CTTR2018353357P38239
Title: Not reported
Contact Name: Communications Inc
Contact Email: b.irwin@verizon.com
Contact Mail Address: One Verizon Way, MC: 33E040F
Contact Mail City: Basking Ridge
Contact Mail State: NJ
Contact Mail Zip: 07920-1097
Contact Mail Country: US
Contact1 Type: Owner / Operator
Contact2 Type: Not reported
Contact3 Type: Not reported
Contact4 Type: Not reported
Modification Date: 1900-01-01

Contact:
Report Year: 2018
Contact Record Id: CTTR2018142280P38239
Title: Not reported
Contact Name: Every 10 years
Contact Email: Not reported
Contact Mail Address: infrequent
Contact Mail City: infrequent
Contact Mail State: MA
Contact Mail Zip: 00000--
Contact Mail Country: Not reported
Contact1 Type: Carrier Contact
Contact2 Type: Not reported
Contact3 Type: Not reported
Contact4 Type: Not reported
Modification Date: 1900-01-01

Contact:

VERIZON MASSACHUSETTS #592107 (Continued) **U003096574**

Report Year:	2018
Contact Record Id:	CTTR2018353364P38239
Title:	Manager, Verizon EHS Department
Contact Name:	Center
Contact Email:	b.irwin@verizon.com
Contact Mail Address:	Not reported
Contact Mail City:	Not reported
Contact Mail State:	Not reported
Contact Mail Zip:	Not reported
Contact Mail Country:	Not reported
Contact1 Type:	Emergency Contact
Contact2 Type:	Not reported
Contact3 Type:	Not reported
Contact4 Type:	Not reported
Modification Date:	1900-01-01

Contact:

Report Year:	2018
Contact Record Id:	CTTR2018353362P38239
Title:	Property Manager
Contact Name:	Corbett
Contact Email:	james.j.corbett@verizon.com
Contact Mail Address:	Not reported
Contact Mail City:	Not reported
Contact Mail State:	Not reported
Contact Mail Zip:	Not reported
Contact Mail Country:	Not reported
Contact1 Type:	Fac. Emergency Coordinator
Contact2 Type:	Not reported
Contact3 Type:	Not reported
Contact4 Type:	Not reported
Modification Date:	1900-01-01

Contact:

Report Year:	2018
Contact Record Id:	CTTR2018353358P38239
Title:	William Irwin
Contact Name:	Not reported
Contact Email:	Not reported
Contact Mail Address:	One Verizon Way, MC: 33E040F
Contact Mail City:	Basking Ridge
Contact Mail State:	NJ
Contact Mail Zip:	07920--1097
Contact Mail Country:	Not reported
Contact1 Type:	Billing
Contact2 Type:	Not reported
Contact3 Type:	Not reported
Contact4 Type:	Not reported
Modification Date:	1900-01-01

Contact:

Report Year:	2018
Contact Record Id:	CTTR2018353363P38239

VERIZON MASSACHUSETTS #592107 (Continued) **U003096574**

Title:	Property Manager
Contact Name:	Corbett
Contact Email:	james.j.corbett@verizon.com
Contact Mail Address:	Not reported
Contact Mail City:	Not reported
Contact Mail State:	Not reported
Contact Mail Zip:	Not reported
Contact Mail Country:	Not reported
Contact1 Type:	Emergency Contact
Contact2 Type:	Not reported
Contact3 Type:	Not reported
Contact4 Type:	Not reported
Modification Date:	1900-01-01

Chemicals:

Acute:	Not reported
Ave Amount:	Not reported
Ave Amount Code:	Not reported
Chem Inv Record Id:	CVTR2018000000142280
Chem Same As Last Yr:	true
Chronic:	Not reported
CICAS:	Not reported
CI EHS Chemical:	false
CI Last Modified:	2018-01-10
Days On Site:	365
Entered Chemical Name:	Lead Acid Batteries
Fire:	Not reported
Gas:	false
Liquid:	true
Max Amount:	5.714
Max Amount Code:	8
Max Amt Container:	693
Mixture:	true
Pressure:	Not reported
Pure:	false
Reactive:	Not reported
Solid:	true
State01 Checkbox:	Not reported
State01 Number:	Not reported
State01 Text:	Not reported
State02 Checkbox:	Not reported
State02 Number:	Not reported
State02 Text:	Not reported
State03 Checkbox:	Not reported
State03 Number:	Not reported
State03 Text:	Not reported
State04 Checkbox:	Not reported
State04 Number:	Not reported
State04 Text:	Not reported
State05 Checkbox:	Not reported
State05 Text:	Not reported
State06 Checkbox:	Not reported
State06 Text:	Not reported
State07 Checkbox:	Not reported
State07 Text:	Not reported
State1 Contact Field:	Not reported

VERIZON MASSACHUSETTS #592107 (Continued) **U003096574**

State Label Code: Not reported
Trade Secret: false

Location:
Record Key: CLTR201800000S384737
Chem Inv Record Id: CVTR2018000000142280
Type Code: Battery
Pressure Code: Ambient pressure
Temperature Code: Ambient temperature
Location: Inside-Main Bldg-Basement Floor
Amount: 0
Amount Unit: lbs
Last Modified: 2018-01-10

Chemical Mixture:
Record Key: CLTR201800000M147143
Chem Inv Rec Id: CVTR2018000000142280
Mx Chem: SULFURIC ACID
Mx CAS: 7664939
Percentage: Not reported
Wt Vol: weight
Mx EHS: true
Mx Last Modified: 2018-01-10

Acute: Not reported
Ave Amount: Not reported
Ave Amount Code: Not reported
Chem Inv Record Id: CVTR2018000000142281
Chem Same As Last Yr: true
Chronic: Not reported
CICAS: 68476346
CI EHS Chemical: false
CI Last Modified: 2018-01-10
Days On Site: 365
Entered Chemical Name: Diesel Fuel
Fire: Not reported
Gas: false
Liquid: true
Max Amount: 1.825
Max Amount Code: 6
Max Amt Container: 18250
Mixture: false
Pressure: Not reported
Pure: true
Reactive: Not reported
Solid: false
State01 Checkbox: Not reported
State01 Number: Not reported
State01 Text: Not reported
State02 Checkbox: Not reported
State02 Number: Not reported
State02 Text: Not reported
State03 Checkbox: Not reported
State03 Number: Not reported
State03 Text: Not reported
State04 Checkbox: Not reported

VERIZON MASSACHUSETTS #592107 (Continued) **U003096574**

State04 Number:	Not reported
State04 Text:	Not reported
State05 Checkbox:	Not reported
State05 Text:	Not reported
State06 Checkbox:	Not reported
State06 Text:	Not reported
State07 Checkbox:	Not reported
State07 Text:	Not reported
State1 Contact Field:	Not reported
State Label Code:	Not reported
Trade Secret:	false

Location:

Record Key:	CLTR201800000S384739
Chem Inv Record Id:	CVTR2018000000142281
Type Code:	Below ground tank
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Outside-Main Bldg
Amount:	0
Amount Unit:	lbs
Last Modified:	2018-01-10

39
ESE
1/4-1/2
0.471 mi.
2488 ft.

RESIDENCE
19 BEACON AVE
NEWBURYPORT, MA 01950

MA SHWS **S106131653**
MA RELEASE **N/A**

Relative:
Lower

Actual:
17 ft.

SHWS:

Name:	RESIDENCE
Address:	19 BEACON AVE
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0023466
Source Type:	Not reported
Release Town:	NEWBURYPORT
Notification Date:	12/22/2003
Category:	120 DY
Associated ID:	Not reported
Current Status:	RAO
Status Date:	07/01/2008
Phase:	PHASE II
Response Action Outcome:	A2
Oil Or Haz Material:	Oil and Hazardous Material

Release:

Name:	RESIDENCE
Address:	19 BEACON AVE
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0023466 / RAO
Primary ID:	Not reported

RESIDENCE (Continued) **S106131653**

Official City: NEWBURYPORT
Notification: 12/22/2003
Category: 120 DY
Status Date: 07/01/2008
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 and Hazardous Material

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

Actions:

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 11/1/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 11/18/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/22/2003
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: 12/22/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 12/29/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/29/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 12/29/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 12/31/2008

RESIDENCE (Continued) **S106131653**

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

Action Type: Tier Classification
Action Status: Tier 2 Transfer
Action Date: 2/17/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/21/2005
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: 5/14/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/1/2008
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: 7/10/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: LEAD
Quantity: 4210 milligrams per kilogram
Chemical: ASBESTOS
Quantity: 1 pounds
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Quantity: 29800 milligrams per kilogram

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40 SSW 1/4-1/2 0.477 mi. 2516 ft. **NO LOCATION AID** **40 PARKER ST** **NEWBURYPORT, MA 01950** **MA SHWS S107405595** **MA RELEASE N/A** **MA AIRS** **MA ASBESTOS** **MA HW GEN**

Relative: Higher
Actual: 35 ft.

SHWS:
Name: NO LOCATION AID
Address: 40 PARKER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0025179
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 08/23/2005
Category: 120 DY
Associated ID: Not reported

NO LOCATION AID (Continued) **S107405595**

Current Status:	RAO
Status Date:	08/23/2005
Phase:	Not reported
Response Action Outcome:	B1
Oil Or Haz Material:	Hazardous Material

Release:

Name:	NO LOCATION AID
Address:	40 PARKER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0025179 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	08/23/2005
Category:	120 DY
Status Date:	08/23/2005
Phase:	Not reported
Response Action Outcome:	B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type:	Hazardous Material

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

Actions:

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	8/23/2005
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	8/23/2005
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:	8/23/2005
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:	9/2/2005
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:

Chemical:	ARSENIC
Quantity:	73 milligrams per kilogram

AIRS:

Name:	MARK RICHEY WOODWORKING & DESIGN
Address:	40 PARKER ST

NO LOCATION AID (Continued) **S107405595**

Address 2:	Not reported
City,State,Zip:	NEWBURYPORT, MA 01950
Facility Status:	Not reported
Permit Code:	Not reported
Permit Name:	Not reported
DEP Region:	Not reported
Application Tracking Number:	Not reported
Date Closed:	Not reported
Applicant Name:	Not reported
Applicant Address:	Not reported
Applicant City,St,Zip:	Not reported
Applicant Telephone:	Not reported
AQID:	1210436
Owner Name:	MARK RICHEY WOODWORKING AND DESIGN INC
Latitude:	42.796451
Longitude:	-70.866027
Primary NAICS:	Y
NAICS Code:	337212
NAICS Desc:	Custom Architectural Woodwork and Millwork Manufacturing

AIRS:

Pollutant:	AMMONIA
Actual Emission:	0.0002
Emission Year:	2013
Pollutant:	CARBON MONOXIDE
Actual Emission:	0.22
Emission Year:	2013
Pollutant:	HALOGENATED ORGANIC COMPOUND
Actual Emission:	0
Emission Year:	2013
Pollutant:	HYDROCARBON
Actual Emission:	0
Emission Year:	2013
Pollutant:	NITROGEN OXIDES (NOx)
Actual Emission:	0.18
Emission Year:	2013
Pollutant:	PM10, FILTERABLE
Actual Emission:	4.73
Emission Year:	2013
Pollutant:	PM2.5, FILTERABLE
Actual Emission:	4.72
Emission Year:	2013
Pollutant:	SULFUR DIOXIDE
Actual Emission:	0.01
Emission Year:	2013
Pollutant:	VOLATILE ORGANIC COMPOUNDS (VOC)
Actual Emission:	14.777
Emission Year:	2013

NO LOCATION AID (Continued) **S107405595**

ASBESTOS:

Name:	MARK RICHEY WOODWORKING
Address:	40 PARKER STREET
City,State,Zip:	NEWBURY, MA
Notification:	Not reported
DEP Region:	Not reported
Notifiers Name:	Not reported
Start Date:	11/24/2015
End Date:	11/24/2015
Date Entered:	Not reported
Entry Date:	11/11/2015
Quantity Materical Removed SF:	228.00
Quantity Material Removed LF:	Not reported
Project Description:	OTHER PAPER INSULATION
AR Tracking ID:	226691
Super Lic Number:	AS901456
Monitor Lic Number:	AA000044
Lab Lic Number:	AA000044
Year:	2015
Sticker Number:	100232785
Form Type:	ANF-001
Fee Status:	HUNDRED
Facility Phone:	9784993800
Sub Town:	Not reported
Worksite:	WAREHOUSE SPACE
Occupied:	-1
Contractor:	AC000717
Contract Type:	WRITTEN
Hours:	4PM-2AM
Project Type:	Repr
Abatement Process:	Fcontain
Location:	INDOORS
Decon Process:	3 STAGE DECONTAMINATION UNIT
Disposal Methods:	ALL MATERIALS TO BE WETTED AND DOUBLE BAGGED
Facility Usage:	WAREHOUSE SPACE
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	-1
Owner Name:	MARK RICHEY WOODWORKING
Owner Address:	40 PARKER STREET
Owner City:	NEWBURYPORT
Owner State:	MA
On Site Manager Name:	MICHAEL ORT
On Site Manager Phone:	9784993800
Ins Comp:	N/A
Policy Number:	N/A
EXP Date:	11/24/2015
Facility Size:	131200
Transporter Name:	THE AULSON COMPANY LLC
Transporter Address:	49 DANTON DRIVE SUITE 201
Transporter City:	METHUEN
Transporter State:	MA
Final Site:	Not reported
Certified Name:	BRIAN S. WALSH
Cert Sign Date:	11/11/2015
Certified Company:	THE AULSON COMPANY LLC

NO LOCATION AID (Continued) **S107405595**

Certified Phone: 9786889100
Entered_by: EVERYONE

HW GEN:
Name: MARK RICHEY WOODWORKING & DESIGN INC
Address: 40 PARKER ST
City,State,Zip: NEWBURYPORT, MA 01950
EPA Id: MAD001038967
RCRA Generator Status: SQG
State Generator Status: Not reported

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41 **PERKINS PARK** **MA SHWS** **S103812129**
ESE **BEACON AVE AND UNION ST** **MA INST CONTROL** **N/A**
1/2-1 **NEWBURYPORT, MA 01950** **MA RELEASE**
0.500 mi.
2641 ft.

Relative:
Lower

Actual:
14 ft.

SHWS:
Name: PERKINS PARK
Address: BEACON AVE AND UNION ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0018057
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 03/03/1999
Category: 120 DY
Associated ID: 3-0018057
Current Status: RAO
Status Date: 08/28/2013
Phase: Not reported
Response Action Outcome: A3
Oil Or Haz Material: Hazardous Material

INST CONTROL:
Name: PERKINS PARK
Address: BEACON AVE AND UNION ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0018057
Action Type: AUL
Action Stat: LEGNOT
Action Date: 06/28/2012
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Name: PERKINS PARK
Address: BEACON AVE AND UNION ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0018057
Action Type: AUL
Action Stat: RECPT
Action Date: 06/22/2012
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

PERKINS PARK (Continued) **S103812129**

Release:

Name:	PERKINS PARK
Address:	BEACON AVE AND UNION ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0018057 / RAO
Primary ID:	3-0018057
Official City:	NEWBURYPORT
Notification:	03/03/1999
Category:	120 DY
Status Date:	08/28/2013
Phase:	Not reported
Response Action Outcome:	A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil / Haz Material Type:	Hazardous Material

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

Actions:

Action Type:	Phase 4
Action Status:	Written Plan Received
Action Date:	1/10/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Phase 3
Action Status:	Revised Statement or Transmittal Received
Action Date:	1/10/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	1/11/2001
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Release Abatement Measure
Action Status:	Written Approval of Plan
Action Date:	1/13/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Immediate Response Action
Action Status:	Written Approval of Plan
Action Date:	1/13/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Utility-related Abatement Measure
Action Status:	Notice of Intent to Conduct a URAM

PERKINS PARK (Continued) **S103812129**

Action Date: 10/15/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Utility-related Abatement Measure
Action Status: Notification of URAM Received
Action Date: 10/22/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: PIP
Action Status: Submittal Retracted
Action Date: 10/29/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: PIP
Action Status: Public Involvement Petition Received
Action Date: 10/9/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 11/24/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 11/24/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 1A Classification
Action Date: 11/24/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/24/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Utility-related Abatement Measure
Action Status: Completion Statement Received
Action Date: 12/18/2002

PERKINS PARK (Continued) **S103812129**

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 12/23/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 12/23/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 12/3/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 12/3/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 12/4/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 12/4/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 2/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 2/22/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

PERKINS PARK (Continued) **S103812129**

reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/29/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 2/29/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 3/14/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 3/20/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 3/23/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 3/23/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 3/24/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: DEP Disagrees with Classification
Action Date: 3/24/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has

PERKINS PARK (Continued) **S103812129**

been implemented.

Action Type: Tier Classification
Action Status: Tier 1B Classification
Action Date: 3/24/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 3/24/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only
Action Date: 3/25/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 3/26/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 3/26/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/3/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/3/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 3/3/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

PERKINS PARK (Continued) **S103812129**

Action Type: Response Action Outcome - RAO
Action Status: RMRINI
Action Date: 3/3/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 3/3/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 3/3/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Written Plan Received
Action Date: 3/31/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Partial RAO for this RTN
Action Status: Inspection and Monitoring Report Received
Action Date: 3/4/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Partial RAO for this RTN
Action Status: Inspection and Monitoring Report Received
Action Date: 3/4/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 3/4/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 3/6/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO

PERKINS PARK (Continued) **S103812129**

Action Status: Inspection and Monitoring Report Received
Action Date: 3/6/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/14/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Completion Statement Received
Action Date: 4/19/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: As-Built Construction Report Received
Action Date: 4/19/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Oral Approval of Plan or Action
Action Date: 4/21/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/21/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 4/21/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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

PERKINS PARK (Continued) **S103812129**

Action Date: 5/19/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 6/16/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/22/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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: 6/23/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 6/24/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Revised Statement or Transmittal Received
Action Date: 6/26/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 6/28/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 7/18/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 7/20/1999

PERKINS PARK (Continued) **S103812129**

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 7/20/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Partial RAO for this RTN
Action Status: RAO Statement Received
Action Date: 7/25/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 7/29/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/1/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Completion Statement Received
Action Date: 8/17/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: As-Built Construction Report Received
Action Date: 8/17/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 8/18/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 8/22/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

PERKINS PARK (Continued) **S103812129**

reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 8/23/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 8/23/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 8/24/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 8/26/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 8/27/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/28/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 8/29/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 8/31/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has

PERKINS PARK (Continued) **S103812129**

been implemented.

Action Type: BOL
Action Status: SHPFAC
Action Date: 9/13/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Partial RAO for this RTN
Action Status: RAO Statement Received
Action Date: 9/14/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Revised Statement or Transmittal Received
Action Date: 9/2/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: BOL
Action Status: SHPFAC
Action Date: 9/21/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 9/23/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 9/24/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 9/25/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Partial RAO for this RTN
Action Status: Inspection and Monitoring Report Received
Action Date: 9/3/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

PERKINS PARK (Continued) **S103812129**

Action Type: Partial RAO for this RTN
Action Status: RAO Statement Received
Action Date: 9/4/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 9/4/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 9/4/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 9/5/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 9/6/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: BWS20
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: BWS02
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Chemicals:
Chemical: CHRYSENE
Quantity: 21 milligrams per kilogram
Chemical: CYANIDE
Quantity: 470 micrograms per liter
Chemical: LEAD
Quantity: 310 milligrams per kilogram
Chemical: BENZO[A]ANTHRACENE

PERKINS PARK (Continued) **S103812129**

Quantity:	20 milligrams per kilogram
Chemical:	DIBENZO[A,H]ANTHRACENE
Quantity:	0.71 milligrams per kilogram
Chemical:	ARSENIC
Quantity:	89 milligrams per kilogram
Chemical:	BENZO[B]FLUORANTHENE
Quantity:	20 milligrams per kilogram
Chemical:	NAPHTHALENE
Quantity:	13 milligrams per kilogram
Chemical:	INDENO(1,2,3-CD)PYRENE
Quantity:	9.8 milligrams per kilogram
Chemical:	BENZO(K)FLUORANTHENE
Quantity:	26 milligrams per kilogram
Chemical:	BENZO[A]PYRENE
Quantity:	19 milligrams per kilogram

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42 **NOYES CITGO** **MA SHWS** **S105596726**
SSE **34 HIGH RD** **MA LUST** **N/A**
1/2-1 **NEWBURY, MA 01951** **MA INST CONTROL**
0.538 mi. **MA RELEASE**
2839 ft. **MA ENF**
MA UIC

Relative:
Higher

Actual:
35 ft.

SHWS:

Name:	NOYES CITGO
Address:	34 HIGH RD
City,State,Zip:	NEWBURY, MA 01951-0000
Facility ID:	3-0021904
Source Type:	Not reported
Release Town:	NEWBURY
Notification Date:	06/28/2002
Category:	120 DY
Associated ID:	3-0021904
Current Status:	RAO
Status Date:	06/26/2008
Phase:	PHASE V
Response Action Outcome:	A3
Oil Or Haz Material:	Oil and Hazardous Material

Name:	NOYES CITGO SERVICE
Address:	34 HIGH RD
City,State,Zip:	NEWBURY, MA 01951-1234
Facility ID:	3-0027921
Source Type:	Not reported
Release Town:	NEWBURY
Notification Date:	08/13/2008
Category:	120 DY
Associated ID:	Not reported
Current Status:	RAO
Status Date:	08/13/2008
Phase:	Not reported
Response Action Outcome:	A2
Oil Or Haz Material:	Oil and Hazardous Material

LUST:

Facility:

Name:	NOYES CITGO

NOYES CITGO (Continued) **S105596726**

Address:	34 HIGH RD
City,State,Zip:	NEWBURY, MA 01951-0000
Current Status:	**NEWBURY, MA 01951-0000**
Release Tracking Number/Current Status:	3-0025707 / RAONR
Status Date:	07/24/2006
Source Type:	UST
Release Town:	NEWBURY
Notification Date:	03/03/2006
Category:	72 HR
Associated ID:	Not reported
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil and Hazardous Material
Location Type:	COMMERCIAL
Source:	UST

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

Chemicals:

Chemical:	LNAPL
Quantity:	0.5 inches
Chemical:	GASOLINE
Quantity:	18 inches

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:	3/17/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	3/3/2006
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	3/3/2006
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	3/6/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	4/18/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	6/29/2006
Response Action Outcome:	Not reported

NOYES CITGO (Continued) **S105596726**

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 7/24/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 7/24/2006
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 7/24/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 7/7/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/7/2003
Response Action Outcome: Not reported

INST CONTROL:
Name: NOYES CITGO
Address: 34 HIGH RD
City,State,Zip: NEWBURY, MA 01951-0000
Release Tracking Number: 3-0021904
Action Type: AUL
Action Stat: LEGNOT
Action Date: 07/09/2008
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Name: NOYES CITGO
Address: 34 HIGH RD
City,State,Zip: NEWBURY, MA 01951-0000
Release Tracking Number: 3-0021904
Action Type: AUL
Action Stat: RECPT
Action Date: 06/26/2008
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Name: NOYES CITGO
Address: 34 HIGH RD
City,State,Zip: NEWBURY, MA 01951-0000
Release Tracking Number: 3-0021904
Action Type: AUL
Action Stat: SNAUDI
Action Date: 09/16/2010
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not

NOYES CITGO (Continued) **S105596726**

been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release:

Name:	NOYES CITGO
Address:	34 HIGH RD
City,State,Zip:	NEWBURY, MA 01951-0000
Release Tracking Number/Current Status:	3-0021904 / RAO
Primary ID:	3-0021904
Official City:	NEWBURY
Notification:	06/28/2002
Category:	120 DY
Status Date:	06/26/2008
Phase:	PHASE V
Response Action Outcome:	A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil / Haz Material Type:	Oil and Hazardous Material

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

Actions:

Action Type:	Response Action Outcome - RAO
Action Status:	Level I - Technical Screen Audit
Action Date:	1/26/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
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 and an Activity and use Limitation (AUL) has been implemented.
Action Type:	An activity type that is related to an Audit
Action Status:	Interim Deadline Letter Issued
Action Date:	11/23/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	An activity type that is related to an Audit
Action Status:	Notice of Non-compliance related to an Audit
Action Date:	11/23/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	An activity type that is related to an Audit
Action Status:	NON-A
Action Date:	2/1/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

NOYES CITGO (Continued) **S105596726**

Action Type: Phase 4
Action Status: Written Plan Received
Action Date: 2/20/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 3/6/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 5
Action Status: Status or Interim Report Received
Action Date: 4/16/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Completion Statement Received
Action Date: 4/18/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received
Action Date: 5/18/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 5/22/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 5/3/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 6/26/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation

NOYES CITGO (Continued) **S105596726**

Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/26/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/28/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/28/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 7/24/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 7/24/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 7/24/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/7/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 7/7/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Scope of Work Received

NOYES CITGO (Continued) **S105596726**

Action Date: 7/7/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 7/7/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 7/9/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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: 8/15/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 9/16/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 9/16/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Chemicals:
Chemical: ETHYLBENZENE
Quantity: 529 parts per million
Chemical: C9 THRU C12 ALIPHATIC HYDROCARBONS
Quantity: 1020 parts per million
Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Quantity: 2870 parts per million
Chemical: XYLENES
Quantity: 1146 parts per million
Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 1180 parts per million
Chemical: NAPHTHALENE
Quantity: 30.7 parts per million
Chemical: TOLUENE
Quantity: 125 parts per million

Name: NOYES CITGO

NOYES CITGO (Continued) **S105596726**

Address:	34 HIGH RD
City,State,Zip:	NEWBURY, MA 01951-0000
Release Tracking Number/Current Status:	3-0025707 / RAONR
Primary ID:	Not reported
Official City:	NEWBURY
Notification:	03/03/2006
Category:	72 HR
Status Date:	07/24/2006
Phase:	Not reported
Response Action Outcome:	-
Oil / Haz Material Type:	Oil and Hazardous Material

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

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:	3/17/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	3/3/2006
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	3/3/2006
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	3/6/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	4/18/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	6/29/2006
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via IRA Completion Statement
Action Date:	7/24/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Completion Statement Received
Action Date:	7/24/2006
Response Action Outcome:	Not reported
Action Type:	RAO Not Required
Action Status:	Linked to a Tier Classified Site

NOYES CITGO (Continued) **S105596726**

Action Date: 7/24/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 7/7/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/7/2003
Response Action Outcome: Not reported

Chemicals:
Chemical: LNAPL
Quantity: 0.5 inches
Chemical: GASOLINE
Quantity: 18 inches
Location Type: COMMERCIAL
Source: UST

Name: NOYES CITGO SERVICE
Address: 34 HIGH RD
City,State,Zip: NEWBURY, MA 01951-1234
Release Tracking Number/Current Status: 3-0027921 / RAO
Primary ID: Not reported
Official City: NEWBURY
Notification: 08/13/2008
Category: 120 DY
Status Date: 08/13/2008
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 10/1/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/13/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/13/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

NOYES CITGO (Continued) **S105596726**

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/13/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Quantity: 1670 milligrams per kilogram
Chemical: C19 THRU C36 ALIPHATIC HYDROCARBONS
Quantity: 3010 milligrams per kilogram
Chemical: 2-METHYLNAPHTHALENE
Quantity: 0.93 milligrams per kilogram

ENFORCEMENT:
Name: AMPET, INC.
Address: 34 HIGH RD
City,State,Zip: NEWBURY, MA 01951-0000
Region: NERO
DEP Region: NERO
DEP Program: 3a
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0021904
High Or Low Level Enforcement: LLE
FMF #: 0
Comptroller Billing Name: Not reported
Town Where Violation Occurred: Not reported
Date Executed: 02/01/2011
ENF #: NON-NE-10-3A096A
Document Type: NON
AG Ref (Y/N): Not reported
Doc Archived (Y/N): Not reported
EJ Community (Y/N): NO
Regional Comment: Not reported
Final Payment Due Date: Not reported
ACOP $: Not reported
PAN $: Not reported
EMS (Y/N): Not reported
EMS$: Not reported
SEP (Y/N): Not reported
SEP $: Not reported
Demand $: Not reported
Suspended $: Not reported
Ownership: Commercially Owned

Name: AMPET, INC.
Address: 34 HIGH RD
City,State,Zip: NEWBURY, MA 01951-0000
Region: NERO
DEP Region: NERO
DEP Program: 3a
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0021904
High Or Low Level Enforcement: LLE

NOYES CITGO (Continued) **S105596726**

FMF #:	0
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	11/23/2010
ENF #:	NON-NE-10-3A096
Document Type:	NON
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	NO
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

Name:	AMPET, INC.
Address:	34 HIGH RD
City,State,Zip:	NEWBURY, MA 01951-0000
Region:	NERO
DEP Region:	NERO
DEP Program:	3a
DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0021904
High Or Low Level Enforcement:	LLE
FMF #:	0
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	11/23/2010
ENF #:	Faux Enf- 0144
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	NO
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

UIC:

RTN Number:	Not reported
Name:	NOYES CITGO SERVICE
Address:	34 HIGH ROAD
City,State,Zip:	NEWBURY, MA

NOYES CITGO (Continued) **S105596726**

Permit Date:	Not reported
Actor Name:	Not reported
Air Sparging:	Not reported
Injection Well:	Not reported
ReInjection Well:	Not reported
UIC APL Type:	WS-06d
Latitude:	Not reported
Well Status:	Not reported
Longitude:	Not reported
UIC ID:	MAS31A205200-5X28I
EPA Code:	X28
Indicates Area:	I - 1 well associated
Number of Wells:	Not reported
Owner:	Not reported
Receive Date:	04/23/2008
Authorization to Install/Close Date:	Not reported
Confirmation of Install Receive:	Not reported
Post-Closure Receive:	Not reported
Final Approval Date:	Not reported
Permit Number:	Not reported
Permit Type:	Not reported
Permit Type Description:	Not reported
Program:	Not reported
Applicant Name:	Not reported
Decision Date:	Not reported
Operator Name:	Not reported
Well ID:	Not reported
Well Type Name:	Not reported
Max Well Depth:	Not reported
Date Complete:	Not reported
Work Performed:	Not reported
Depth to Bedrock:	Not reported
Water Level:	Not reported

K43 **BEACON AVE AND UNION ST** **MA SHWS** **S104179938**
ESE **270 WATER ST** **MA RELEASE** **N/A**
1/2-1 **NEWBURYPORT, MA 01950** **MA ASBESTOS**
0.546 mi.
2885 ft. **Site 1 of 2 in cluster K**

Relative: **Lower**
Actual: **10 ft.**

SHWS:

Name:	BEACON AVE AND UNION ST
Address:	270 WATER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0018821
Source Type:	FMR COAL
Release Town:	NEWBURYPORT
Notification Date:	10/04/1999
Category:	72 HR
Associated ID:	Not reported
Current Status:	RAONR
Status Date:	03/24/2000
Phase:	Not reported
Response Action Outcome:	Not reported
Oil Or Haz Material:	Oil
Name:	BEACON AVE AND UNION ST
Address:	270 WATER ST

BEACON AVE AND UNION ST (Continued) **S104179938**

City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0018821
Source Type: SITE
Release Town: NEWBURYPORT
Notification Date: 10/04/1999
Category: 72 HR
Associated ID: Not reported
Current Status: RAONR
Status Date: 03/24/2000
Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Oil

Name: MGP FMR
Address: 270 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0024020
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 07/02/2004
Category: 72 HR
Associated ID: Not reported
Current Status: RAONR
Status Date: 08/31/2004
Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Not reported

Release:
Name: BEACON AVE AND UNION ST
Address: 270 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0018821 / RAONR
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 10/04/1999
Category: 72 HR
Status Date: 03/24/2000
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Immediate Response Action
Action Status: IRA Assessment Only
Action Date: 10/4/1999
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/4/1999
Response Action Outcome: Not reported

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

BEACON AVE AND UNION ST (Continued) **S104179938**

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/16/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/24/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1A Classification
Action Date: 11/24/1999
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/3/1999
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 12/3/1999
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 12/3/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 12/3/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 2/11/2005
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 3/14/2001
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1B Classification
Action Date: 3/24/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: DEP Disagrees with Classification
Action Date: 3/24/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 3/24/2000

BEACON AVE AND UNION ST (Continued) **S104179938**

Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 3/24/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 3/26/2005
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 7/20/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 7/29/2010
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 8/18/2010
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 8/22/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 8/26/2008
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 8/31/2004
Response Action Outcome: Not reported

Chemicals:
Chemical: TPH
Quantity: 12.6 milligrams per liter
Chemical: TPH
Quantity: 12.2 parts per million
Location Type: RESIDNTIAL
Source: FMR COAL
Source: SITE

Name: MGP FMR
Address: 270 WATER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0024020 / RAONR
Primary ID: Not reported
Official City: NEWBURYPORT

BEACON AVE AND UNION ST (Continued) **S104179938**

Notification: 07/02/2004
Category: 72 HR
Status Date: 08/31/2004
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

Actions:

Action Type: Tier Classification
Action Status: Tier 1A Classification
Action Date: 11/24/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/24/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 12/3/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 2/11/2005
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 3/14/2001
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: DEP Disagrees with Classification
Action Date: 3/24/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 3/24/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1B Classification
Action Date: 3/24/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 3/26/2005
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: IRA Assessment Only

BEACON AVE AND UNION ST (Continued) **S104179938**

Action Date: 7/2/2004
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/2/2004
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 7/20/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 7/29/2010
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/13/2004
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 8/18/2010
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 8/22/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 8/26/2008
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/31/2004
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 8/31/2004
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 8/31/2004
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/31/2004
Response Action Outcome: Not reported

BEACON AVE AND UNION ST (Continued) **S104179938**

Chemicals:

Chemical:	COAL TAR
Quantity:	28 inches
Location Type:	OPENSPACE

ASBESTOS:

Name:	270 EATER ST
Address:	270 WATER ST
City,State,Zip:	NEWBURYPORT, MA
Notification:	Not reported
DEP Region:	Not reported
Notifiers Name:	Not reported
Start Date:	12/13/2003
End Date:	12/13/2003
Date Entered:	Not reported
Entry Date:	11/26/2003
Quantity Materical Removed SF:	Not reported
Quantity Material Removed LF:	100.00
Project Description:	WINDOW GASKETING
AR Tracking ID:	33991
Super Lic Number:	AS072226
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	2003
Sticker Number:	562467
Form Type:	ANF-001
Fee Status:	F
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	KITCHEN-GREEN HOUSE
Occupied:	0
Contractor:	AC000199
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	AS REQUIRED
Disposal Methods:	2 PLY POLY BAG WITH LABEL
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	MASS ELEC CO
Owner Address:	25 RESEARCH DR
Owner City:	WESTBOROUGH
Owner State:	MA
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	RECOVERY EXPRESS
Transporter Address:	Not reported

BEACON AVE AND UNION ST (Continued) **S104179938**

Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	41
Certified Name:	ED JOHNSON
Cert Sign Date:	11/25/2003
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	MMitchell

K44 **MASSACHUSETTS ELECTRIC CO** **EDR MGP** **1008408467**
ESE **270 WATER STREET** **N/A**
1/2-1 **NEWBURYPORT, MA 1950**
0.546 mi.
2885 ft. **Site 2 of 2 in cluster K**

Relative: **Lower**

Actual: **10 ft.**

Manufactured Gas Plants:
Alternate Name:NEWBURYPORT GAS LIGHT CO; NEWBURYPORT GAS AND ELECTRIC CO; HAVERHILL GAS AND ELECTRIC CO. No additional information available

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L45 **NO LOCATION AID** **MA SHWS** **S105200009**
SW **149 STATE ST** **MA INST CONTROL** **N/A**
1/2-1 **NEWBURYPORT, MA 01950** **MA RELEASE**
0.549 mi.
2901 ft. **Site 1 of 2 in cluster L**

Relative: **Higher**

Actual: **37 ft.**

SHWS:

Name:	NO LOCATION AID
Address:	149 STATE ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0021054
Source Type:	Not reported
Release Town:	NEWBURYPORT
Notification Date:	07/19/2001
Category:	120 DY
Associated ID:	3-0021054
Current Status:	RAO
Status Date:	07/17/2008
Phase:	PHASE IV
Response Action Outcome:	A3
Oil Or Haz Material:	Oil and Hazardous Material

INST CONTROL:

Name:	NO LOCATION AID
Address:	149 STATE ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number:	3-0021054
Action Type:	AUL
Action Stat:	LEGNOT
Action Date:	07/18/2008
Response Action Outcome:	A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Name:	NO LOCATION AID
Address:	149 STATE ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number:	3-0021054

NO LOCATION AID (Continued) **S105200009**

Action Type: AUL
Action Stat: RECPT
Action Date: 07/17/2008
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release:
Name: NO LOCATION AID
Address: 149 STATE ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0021054 / RAO
Primary ID: 3-0021054
Official City: NEWBURYPORT
Notification: 07/19/2001
Category: 120 DY
Status Date: 07/17/2008
Phase: PHASE IV
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 1/20/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 1/20/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/15/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 10/15/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

NO LOCATION AID (Continued) **S105200009**

Action Date: 10/15/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 10/15/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 10/15/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 11/3/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 12/4/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 2/16/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 2/16/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 2/16/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 3/13/2006

NO LOCATION AID (Continued) **S105200009**

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 3/15/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 3/19/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 3/19/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 4/10/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 4/22/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 6/23/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 6/23/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Revised Statement or Transmittal Received
Action Date: 7/10/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

NO LOCATION AID (Continued) **S105200009**

reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 4
Action Status: Written Plan Received
Action Date: 7/10/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/17/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/17/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 7/18/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/19/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/19/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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: 7/3/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 9/20/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has

NO LOCATION AID (Continued) **S105200009**

been implemented.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 9/27/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 9/27/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 9/3/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 9/3/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 9/6/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Chemicals:
Chemical: TPH
Quantity: 7500 micrograms per liter
Chemical: VINYL CHLORIDE
Quantity: 800 micrograms per liter
Chemical: TETRACHLOROETHENE
Quantity: 6400 milligrams per kilogram
Chemical: TRICHLOROETHENE
Quantity: 0.78 milligrams per kilogram
Chemical: TOTAL PETROLEUM HYDROCARBONS
Quantity: 760 milligrams per kilogram

L46 **FRUIT BASKET** **MA SHWS** **S105521911**
SW **149 STATE ST** **MA RELEASE** **N/A**
1/2-1 **NEWBURYPORT, MA 01950**
0.549 mi.
2901 ft. **Site 2 of 2 in cluster L**

Relative:
Higher

Actual:
37 ft.

SHWS:

Name:	FRUIT BASKET
Address:	149 STATE ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0021442
Source Type:	HISTORICAL
Release Town:	NEWBURYPORT
Notification Date:	01/29/2002
Category:	TWO HR
Associated ID:	Not reported
Current Status:	RAONR
Status Date:	10/16/2002
Phase:	Not reported
Response Action Outcome:	Not reported
Oil Or Haz Material:	Oil and Hazardous Material

Release:

Name:	FRUIT BASKET
Address:	149 STATE ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0021442 / RAONR
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	01/29/2002
Category:	TWO HR
Status Date:	10/16/2002
Phase:	Not reported
Response Action Outcome:	-
Oil / Haz Material Type:	Oil and Hazardous Material

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

Actions:

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	1/10/2003
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	1/29/2002
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	1/29/2002
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	10/15/2002
Response Action Outcome:	Not reported

FRUIT BASKET (Continued) **S105521911**

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 10/15/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 10/15/2002
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 10/16/2002
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 12/19/2002
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/16/2005
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/13/2006
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 3/15/2006
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/15/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/19/2004
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 3/8/2005
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/8/2005
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

FRUIT BASKET (Continued) **S105521911**

Action Date: 3/8/2005
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 4/1/2002
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 4/1/2002
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/1/2002
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 4/10/2008
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 4/22/2008
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRAN
Action Date: 4/24/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level II - Audit Inspection
Action Date: 4/24/2006
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/25/2002
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 5/1/2002
Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 5/15/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 5/23/2002
Response Action Outcome: Not reported

FRUIT BASKET (Continued) **S105521911**

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 5/23/2002
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 5/23/2002
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/29/2002
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 5/29/2003
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 9/20/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 9/25/2003
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 9/3/2004
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 9/3/2004
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 9/6/2005
Response Action Outcome: Not reported

Chemicals:
Chemical: TPH
Quantity: 7500 micrograms per liter
Chemical: TETRACHLOROETHYLENE
Quantity: 6400 milligrams per kilogram
Chemical: TETRACHLOROETHYLENE
Quantity: 461 milligrams per kilogram
Chemical: TRICHLOROETHENE
Quantity: 0.78 milligrams per kilogram
Chemical: VINYL CHLORIDE
Quantity: 800 micrograms per liter
Chemical: TRICHLOROETHENE

FRUIT BASKET (Continued) **S105521911**

Quantity: 48 milligrams per kilogram
Location Type: COMMERCIAL
Source: HISTORICAL

M47 **BP GIBBS STATION 00880** **MA SHWS** **S105199671**
NW **51 MERRIMAC ST** **MA RELEASE** **N/A**
1/2-1 **NEWBURYPORT, MA 01950**
0.559 mi.
2951 ft. **Site 1 of 2 in cluster M**

Relative:
Lower

Actual:
19 ft.

SHWS:
Name: BP GIBBS STATION 00880
Address: 51 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950
Facility ID: 3-0003593
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 07/15/1991
Category: NONE
Associated ID: Not reported
Current Status: RAO
Status Date: 09/08/1995
Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Not reported

Release:
Name: BP GIBBS STATION 00880
Address: 51 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950
Release Tracking Number/Current Status: 3-0003593 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 07/15/1991
Category: NONE
Status Date: 09/08/1995
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 7/15/1991
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: RAOEQ
Action Date: 9/8/1995
Response Action Outcome: Not reported

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

BP GIBBS STATION 00880 (Continued) **S105199671**

Location Type: GASSTATION

M48 **WINDWARD YACHT YARD** **MA SHWS** **S104000584**
NW **58 MERRIMAC ST REAR** **MA RELEASE** **N/A**
1/2-1 **NEWBURYPORT, MA**
0.579 mi.
3059 ft. **Site 2 of 2 in cluster M**

Relative:
Lower

Actual:
20 ft.

SHWS:

Name:	WINDWARD YACHT YARD
Address:	58 MERRIMAC ST REAR
City,State,Zip:	NEWBURYPORT, MA
Facility ID:	3-0018528
Source Type:	UNKNOWN
Release Town:	NEWBURYPORT
Notification Date:	07/18/1999
Category:	TWO HR
Associated ID:	Not reported
Current Status:	RAO
Status Date:	07/20/2000
Phase:	Not reported
Response Action Outcome:	A2
Oil Or Haz Material:	Oil

Release:

Name:	WINDWARD YACHT YARD
Address:	58 MERRIMAC ST REAR
City,State,Zip:	NEWBURYPORT, MA
Release Tracking Number/Current Status:	3-0018528 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	07/18/1999
Category:	TWO HR
Status Date:	07/20/2000
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type:	Oil

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

Actions:

Action Type:	Immediate Response Action
Action Status:	Written Approval of Plan
Action Date:	10/29/1999
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	10/29/1999
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	10/8/1999

WINDWARD YACHT YARD (Continued) **S104000584**

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

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/30/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/30/2000
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: 5/8/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 5/8/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/18/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 7/18/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1A
Action Date: 7/18/1999
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: 7/18/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/19/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

WINDWARD YACHT YARD (Continued) **S104000584**

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 7/20/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/20/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 7/24/2000
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: 9/16/1999
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: 9/16/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: HYDRAULIC OIL
Quantity: Not reported
Chemical: OIL
Quantity: Not reported
Location Type: COMMERCIAL
Source: UNKNOWN

N49 **NO LOCATION AID** **MA SHWS** **S105522203**
NW **85 MERRIMAC ST** **MA INST CONTROL** **N/A**
1/2-1 **NEWBURYPORT, MA 01950** **MA RELEASE**
0.624 mi.
3295 ft. **Site 1 of 2 in cluster N**

Relative: **Lower**
Actual: **22 ft.**

SHWS:
Name: NO LOCATION AID
Address: 85 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0021816
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 06/05/2002
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 02/20/2003
Phase: Not reported

NO LOCATION AID (Continued) **S105522203**

Response Action Outcome: B2
Oil Or Haz Material: Oil and Hazardous Material

INST CONTROL:
Name: NO LOCATION AID
Address: 85 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0021816
Action Type: AUL
Action Stat: LEGNOT
Action Date: 02/03/2003
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Name: NO LOCATION AID
Address: 85 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0021816
Action Type: AUL
Action Stat: RECPT
Action Date: 01/07/2003
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Name: NO LOCATION AID
Address: 85 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0021816
Action Type: AUL
Action Stat: SNAUDI
Action Date: 02/03/2003
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Name: NO LOCATION AID
Address: 85 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number: 3-0021816
Action Type: AUL
Action Stat: SNAUDI
Action Date: 04/26/2007
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Release:
Name: NO LOCATION AID
Address: 85 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0021816 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 06/05/2002

NO LOCATION AID (Continued) **S105522203**

Category: 120 DY
Status Date: 02/20/2003
Phase: Not reported
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/7/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 2/20/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 2/26/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 2/3/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 2/3/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 4/26/2007
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 4/26/2007
Response Action Outcome: Remedial actions have not been conducted because a level of No

NO LOCATION AID (Continued) **S105522203**

Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 5/22/2007
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/5/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/5/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

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: 7/22/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Chemicals:
Chemical: C9 THRU C12 ALIPHATIC HYDROCARBONS
Quantity: 9640 parts per billion
Chemical: TOLUENE
Quantity: 13000 parts per billion
Chemical: XYLENE
Quantity: 16300 parts per billion
Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 3910 parts per billion
Chemical: NAPHTHALENE
Quantity: 15 parts per billion
Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 1200 parts per million
Chemical: 2-METHYLNAPHTHALENE
Quantity: 11 parts per billion
Chemical: METHYL TERT-BUTYL ETHER
Quantity: 143 parts per billion

N50 NW 1/2-1 0.647 mi. 3416 ft. | **FORMER COUNTRY DRIVING SCHOOL**
6 MARKET STREET. (C MERRIMACK)
NEWBURYPORT, MA 01950
Site 2 of 2 in cluster N

MA SHWS **S126024716**
MA RELEASE **N/A**

Relative: Lower
Actual: 22 ft.

SHWS:

Name:	FORMER COUNTRY DRIVING SCHOOL
Address:	6 MARKET STREET. (C MERRIMACK)
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0036074
Source Type:	UNKNOWN
Release Town:	NEWBURYPORT
Notification Date:	01/02/2020
Category:	120 DY
Associated ID:	Not reported
Current Status:	PSNC
Status Date:	02/13/2020
Phase:	Not reported
Response Action Outcome:	PN
Oil Or Haz Material:	Oil

Release:

Name:	FORMER COUNTRY DRIVING SCHOOL
Address:	6 MARKET STREET. (C MERRIMACK)
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0036074 / PSNC
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	01/02/2020
Category:	120 DY
Status Date:	02/13/2020
Phase:	Not reported
Response Action Outcome:	PN - PN
Oil / Haz Material Type:	Oil

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

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:	1/15/2020
Response Action Outcome:	PN
Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	1/2/2020
Response Action Outcome:	PN
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	1/2/2020
Response Action Outcome:	PN
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	1/2/2020
Response Action Outcome:	PN

FORMER COUNTRY DRIVING SCHOOL (Continued) **S126024716**

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 2/13/2020
Response Action Outcome: PN

Chemicals:
Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Quantity: 4000 parts per billion
Chemical: TOTAL XYLENES
Quantity: 3500 parts per billion
Source: UNKNOWN

51
SSE
1/2-1
0.657 mi.
3468 ft.

ROADWAY/NEWBURY TOWN HALL PARKING LOT **MA SHWS** **S117964752**
25 HIGH ROAD **MA RELEASE** **N/A**
NEWBURY, MA

Relative:
Higher

Actual:
35 ft.

SHWS:
Name: ROADWAY/NEWBURY TOWN HALL PARKING LOT
Address: 25 HIGH ROAD
City,State,Zip: NEWBURY, MA
Facility ID: 3-0032854
Source Type: TRASH
Release Town: NEWBURY
Notification Date: 05/06/2015
Category: TWO HR
Associated ID: Not reported
Current Status: PSNC
Status Date: 06/11/2015
Phase: Not reported
Response Action Outcome: PN
Oil Or Haz Material: Oil

Name: ROADWAY/NEWBURY TOWN HALL PARKING LOT
Address: 25 HIGH ROAD
City,State,Zip: NEWBURY, MA
Facility ID: 3-0032854
Source Type: TRUCK
Release Town: NEWBURY
Notification Date: 05/06/2015
Category: TWO HR
Associated ID: Not reported
Current Status: PSNC
Status Date: 06/11/2015
Phase: Not reported
Response Action Outcome: PN
Oil Or Haz Material: Oil

Name: ROADWAY/NEWBURY TOWN HALL PARKING LOT
Address: 25 HIGH ROAD
City,State,Zip: NEWBURY, MA
Facility ID: 3-0032854
Source Type: HYDRAULIC
Release Town: NEWBURY
Notification Date: 05/06/2015
Category: TWO HR

ROADWAY/NEWBURY TOWN HALL PARKING LOT (Continued) **S117964752**

Associated ID:	Not reported
Current Status:	PSNC
Status Date:	06/11/2015
Phase:	Not reported
Response Action Outcome:	PN
Oil Or Haz Material:	Oil

Name:	ROADWAY/NEWBURY TOWN HALL PARKING LOT
Address:	25 HIGH ROAD
City,State,Zip:	NEWBURY, MA
Facility ID:	3-0032854
Source Type:	LINE
Release Town:	NEWBURY
Notification Date:	05/06/2015
Category:	TWO HR
Associated ID:	Not reported
Current Status:	PSNC
Status Date:	06/11/2015
Phase:	Not reported
Response Action Outcome:	PN
Oil Or Haz Material:	Oil

Release:

Name:	ROADWAY/NEWBURY TOWN HALL PARKING LOT
Address:	25 HIGH ROAD
City,State,Zip:	NEWBURY, MA
Release Tracking Number/Current Status:	3-0032854 / PSNC
Primary ID:	Not reported
Official City:	NEWBURY
Notification:	05/06/2015
Category:	TWO HR
Status Date:	06/11/2015
Phase:	Not reported
Response Action Outcome:	PN - PN
Oil / Haz Material Type:	Oil

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

Actions:

Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	5/6/2015
Response Action Outcome:	PN

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	5/6/2015
Response Action Outcome:	PN

Action Type:	Response Action Outcome - RAO
Action Status:	PSNRCD
Action Date:	6/11/2015
Response Action Outcome:	PN

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.

ROADWAY/NEWBURY TOWN HALL PARKING LOT (Continued) **S117964752**

Action Date: 6/3/2015
Response Action Outcome: PN

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/5/2015
Response Action Outcome: PN

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/5/2015
Response Action Outcome: PN

Chemicals:
Chemical: HYDRAULIC FLUID
Quantity: 25 gallons
Chemical: HYDRAULIC OIL
Quantity: 12 gallons
Location Type: ROADWAY
Location Type: MUNICIPAL
Source: TRASH
Source: HYDRAULIC
Source: TRUCK
Source: LINE

---

52 **AMCARE** **MA SHWS** **S100041621**
SW **12 PARKER ST** **MA RELEASE** **N/A**
1/2-1 **NEWBURYPORT, MA 01950**
0.680 mi.
3593 ft.

Relative:
Lower

Actual:
28 ft.

SHWS:
Name: AMCARE
Address: 12 PARKER ST
City,State,Zip: NEWBURYPORT, MA 01950
Facility ID: 3-0002417
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 01/15/1990
Category: NONE
Associated ID: Not reported
Current Status: RAO
Status Date: 10/07/2008
Phase: PHASE II
Response Action Outcome: A1
Oil Or Haz Material: Oil

Release:
Name: AMCARE
Address: 12 PARKER ST
City,State,Zip: NEWBURYPORT, MA 01950
Release Tracking Number/Current Status: 3-0002417 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 01/15/1990
Category: NONE
Status Date: 10/07/2008

AMCARE (Continued) **S100041621**

Phase: PHASE II
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:

Actions:

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1990
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 1/22/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 10/7/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 10/7/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 10/7/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 10/7/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/7/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 5/5/2004
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)

AMCARE (Continued) **S100041621**

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/11/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: DIESEL FUEL
Quantity: Not reported
Chemical: WASTE OIL
Quantity: Not reported
Location Type: COMMERCIAL

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53 NO LOCATION AID **MA SHWS S103812244**
WNW 2 CAREY AVE **MA RELEASE N/A**
1/2-1 NEWBURYPORT, MA 01950
0.688 mi.
3631 ft.

Relative: Higher
Actual: 48 ft.

SHWS:
Name: NO LOCATION AID
Address: 2 CAREY AVE
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0018196
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 04/14/1999
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 04/14/1999
Phase: Not reported
Response Action Outcome: A2
Oil Or Haz Material: Hazardous Material

Release:
Name: NO LOCATION AID
Address: 2 CAREY AVE
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0018196 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 04/14/1999
Category: 120 DY
Status Date: 04/14/1999
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 4/14/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

NO LOCATION AID (Continued) **S103812244**

reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/14/1999
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: 4/14/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: BERYLLIUM
Quantity: 1.3 milligrams per kilogram

54
SW
1/2-1
0.688 mi.
3633 ft.

DOMINOS PIZZA **MA SHWS S105200180**
169 STATE ST **MA RELEASE N/A**
NEWBURYPORT, MA 01950

Relative:
Lower

Actual:
20 ft.

SHWS:
Name: DOMINOS PIZZA
Address: 169 STATE ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0021290
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 11/27/2001
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 06/22/2005
Phase: PHASE II
Response Action Outcome: A2
Oil Or Haz Material: Oil

Release:
Name: DOMINOS PIZZA
Address: 169 STATE ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0021290 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 11/27/2001
Category: 120 DY
Status Date: 06/22/2005
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

DOMINOS PIZZA (Continued) **S105200180**

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

Actions:

Action Type:	Release Abatement Measure
Action Status:	Fee Received - FMCRA Use Only
Action Date:	1/30/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	Release Abatement Measure
Action Status:	Written Plan Received
Action Date:	1/30/2002
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:	10/7/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	Phase 2
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	11/26/2004
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	Phase 3
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	11/26/2004
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	11/27/2001
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:	11/27/2001
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	11/29/2002
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:	11/29/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

DOMINOS PIZZA (Continued) **S105200180**

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/29/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 11/29/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/21/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/24/2003
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: 12/4/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/11/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 6/18/2003
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: 6/22/2005
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: 6/22/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 6/23/2004

DOMINOS PIZZA (Continued) **S105200180**

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

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 6/25/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: C9 THRU C12 ALIPHATIC HYDROCARBONS
Quantity: 160 milligrams per kilogram
Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 550 milligrams per kilogram

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55 NW 1/2-1 0.696 mi. 3676 ft. **INTERSECTION OF MERRIMACK AND WINTER STS** **MA SHWS S103811856**
2 TO 6 WINTER ST **MA RELEASE N/A**
NEWBURYPORT, MA 01950

Relative: Lower
Actual: 24 ft.

SHWS:
Name: INTERSECTION OF MERRIMACK AND WINTER STS
Address: 2 TO 6 WINTER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0016519
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 02/17/1998
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 02/19/1999
Phase: Not reported
Response Action Outcome: A2
Oil Or Haz Material: Hazardous Material

Name: INTERSECTION OF MERRIMACK AND WINTER STS
Address: 2 TO 6 WINTER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0016520
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 02/17/1998
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 02/19/1999
Phase: Not reported
Response Action Outcome: A2
Oil Or Haz Material: Oil

Name: INTERSECTION OF MERRIMACK AND WINTER STS
Address: 2 TO 6 WINTER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0016521
Source Type: Not reported

INTERSECTION OF MERRIMACK AND WINTER STS (Continued) **S103811856**

Release Town:	NEWBURYPORT
Notification Date:	02/17/1998
Category:	120 DY
Associated ID:	Not reported
Current Status:	RAO
Status Date:	02/19/1999
Phase:	Not reported
Response Action Outcome:	A2
Oil Or Haz Material:	Oil

Release:

Name:	INTERSECTION OF MERRIMACK AND WINTER STS
Address:	2 TO 6 WINTER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0016519 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	02/17/1998
Category:	120 DY
Status Date:	02/19/1999
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type:	Hazardous Material

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

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	2/17/1998
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:	2/17/1998
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:	2/19/1999
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	2/19/1999
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:	2/2/1999
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been

INTERSECTION OF MERRIMACK AND WINTER STS (Continued) **S103811856**

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 2/23/1999
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: 4/27/1998
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: 4/30/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: LEAD
Quantity: 6200 milligrams per kilogram

Name: INTERSECTION OF MERRIMACK AND WINTER STS
Address: 2 TO 6 WINTER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0016520 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 02/17/1998
Category: 120 DY
Status Date: 02/19/1999
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/17/1998
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: 2/17/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 2/19/1999

INTERSECTION OF MERRIMACK AND WINTER STS (Continued) **S103811856**

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: 2/19/1999
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: 2/22/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 2/23/1999
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: 4/27/1998
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: 4/30/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: TPH
Quantity: 31000 milligrams per kilogram

Name: INTERSECTION OF MERRIMACK AND WINTER STS
Address: 2 TO 6 WINTER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0016521 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 02/17/1998
Category: 120 DY
Status Date: 02/19/1999
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: RNF
Action Status: Reportable Release under MGL 21E

INTERSECTION OF MERRIMACK AND WINTER STS (Continued) **S103811856**

Action Date: 2/17/1998
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: 2/17/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 2/19/1999
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: 2/19/1999
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: 2/22/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 2/23/1999
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: 4/27/1998
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: 4/30/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: TPH
Quantity: 3400 milligrams per kilogram

56
NW
1/2-1
0.729 mi.
3848 ft.

ADJACENT TO FMR RAILROAD TRACK
120 MERRIMAC ST
NEWBURYPORT, MA 01950

MA SHWS **S108640646**
MA RELEASE **N/A**

Relative:
Lower

Actual:
24 ft.

SHWS:

Name:	ADJACENT TO FMR RAILROAD TRACK
Address:	120 MERRIMAC ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0026894
Source Type:	Not reported
Release Town:	NEWBURYPORT
Notification Date:	06/21/2007
Category:	120 DY
Associated ID:	Not reported
Current Status:	RAO
Status Date:	12/26/2007
Phase:	Not reported
Response Action Outcome:	B1
Oil Or Haz Material:	Hazardous Material

Release:

Name:	ADJACENT TO FMR RAILROAD TRACK
Address:	120 MERRIMAC ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0026894 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	06/21/2007
Category:	120 DY
Status Date:	12/26/2007
Phase:	Not reported
Response Action Outcome:	B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type:	Hazardous Material

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

Actions:

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	12/26/2007
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:	Fee Received - FMCRA Use Only
Action Date:	12/26/2007
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:	2/19/2008
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

ADJACENT TO FMR RAILROAD TRACK (Continued) **S108640646**

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/21/2007
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: 6/21/2007
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: 7/18/2007
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:
Chemical: LEAD
Quantity: 2100 milligrams per kilogram
Chemical: CHROMIUM
Quantity: 95 milligrams per kilogram
Chemical: CADMIUM
Quantity: 2.9 milligrams per kilogram

57
West
1/2-1
0.755 mi.
3989 ft.

AT PARKER ST **MA SHWS S104545610**
RTE 1 **MA RELEASE N/A**
NEWBURYPORT, MA

Relative:
Lower

Actual:
16 ft.

SHWS:
Name: AT PARKER ST
Address: RTE 1
City,State,Zip: NEWBURYPORT, MA
Facility ID: 3-0013757
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 05/13/1996
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 05/13/1996
Phase: Not reported
Response Action Outcome: B1
Oil Or Haz Material: Hazardous Material

Release:
Name: AT PARKER ST
Address: RTE 1
City,State,Zip: NEWBURYPORT, MA
Release Tracking Number/Current Status: 3-0013757 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 05/13/1996
Category: 120 DY

AT PARKER ST (Continued) **S104545610**

Status Date: 05/13/1996
Phase: Not reported
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 5/13/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/13/1996
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: 5/13/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:
Chemical: ETHENE, 1,1-DICHLORO-
Quantity: 11 micrograms per liter

O58 **NO LOCATION AID** **MA SHWS S103811872**
SW **RTE 1** **MA RELEASE N/A**
1/2-1 **NEWBURY, MA 01951**
0.757 mi.
3997 ft. **Site 1 of 2 in cluster O**

Relative: **Lower**
Actual: **22 ft.**

SHWS:
Name: NO LOCATION AID
Address: RTE 1
City,State,Zip: NEWBURY, MA 01951-0000
Facility ID: 3-0016731
Source Type: Not reported
Release Town: NEWBURY
Notification Date: 04/28/1998
Category: 120 DY
Associated ID: Not reported
Current Status: URAM
Status Date: 05/05/1998
Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Oil

Release:
Name: NO LOCATION AID
Address: RTE 1

NO LOCATION AID (Continued) **S103811872**

City,State,Zip:	NEWBURY, MA 01951-0000
Release Tracking Number/Current Status:	3-0016731 / URAM
Primary ID:	Not reported
Official City:	NEWBURY
Notification:	04/28/1998
Category:	120 DY
Status Date:	05/05/1998
Phase:	Not reported
Response Action Outcome:	-
Oil / Haz Material Type:	Oil

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

Actions:

Action Type:	Utility-related Abatement Measure
Action Status:	Notification of URAM Received
Action Date:	4/28/1998
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	4/28/1998
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	5/5/1998
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Notification of URAM Received
Action Date:	5/5/1998
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Completion Statement Received
Action Date:	8/12/1998
Response Action Outcome:	Not reported

Chemicals:

Chemical:	TPH
Quantity:	0.4 milligrams per liter
Chemical:	TPH
Quantity:	527 milligrams per kilogram
Location Type:	TOWN LINE
Location Type:	RIGHTOFWAY
Location Type:	NEWBURYPOR
Location Type:	COMMERCIAL

59
NW
1/2-1
0.758 mi.
4003 ft.

FORMER DPW GARAGE
129 MERRIMAC ST
NEWBURYPORT, MA 01950

MA SHWS **S104942003**
MA RELEASE **N/A**

Relative:
Lower

Actual:
17 ft.

SHWS:

Name:	FORMER DPW GARAGE
Address:	129 MERRIMAC ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0020485
Source Type:	Not reported
Release Town:	NEWBURYPORT
Notification Date:	02/22/2001
Category:	120 DY
Associated ID:	Not reported
Current Status:	RAO
Status Date:	10/13/2005
Phase:	PHASE III
Response Action Outcome:	B1
Oil Or Haz Material:	Hazardous Material

Release:

Name:	FORMER DPW GARAGE
Address:	129 MERRIMAC ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0020485 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	02/22/2001
Category:	120 DY
Status Date:	10/13/2005
Phase:	PHASE III
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:

Actions:

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	10/13/2005
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	Tier Classification
Action Status:	Tier 2 Transfer
Action Date:	10/13/2005
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	2/22/2001
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

FORMER DPW GARAGE (Continued) **S104942003**

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/22/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/1/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/1/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 3/1/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 4/19/2002
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: 6/19/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:
Chemical: COPPER
Quantity: 2430 milligrams per kilogram
Chemical: 1,1'-BIPHENYL
Quantity: 3.7 milligrams per kilogram
Chemical: DIBENZO[A,H]ANTHRACENE
Quantity: 3.7 milligrams per kilogram
Chemical: LEAD
Quantity: 968 milligrams per kilogram
Chemical: BENZO[A]ANTHRACENE
Quantity: 11 milligrams per kilogram
Chemical: BENZO[A]PYRENE
Quantity: 13 milligrams per kilogram
Chemical: CHRYSENE
Quantity: 15 milligrams per kilogram
Chemical: TRICHLOROETHENE
Quantity: 23 milligrams per kilogram
Chemical: BENZO[B]FLUORANTHENE
Quantity: 17 milligrams per kilogram
Chemical: INDENO(1,2,3-CD)PYRENE
Quantity: 11 milligrams per kilogram

60
ESE
1/2-1
0.758 mi.
4003 ft.

JUNKYARD FMR
OCEAN AVE PLUM ISLAND TPKE
NEWBURYPORT, MA 01950

MA SHWS **S100361798**
MA RELEASE **N/A**

Relative:
Lower

Actual:
10 ft.

SHWS:

Name:	JUNKYARD FMR
Address:	OCEAN AVE PLUM ISLAND TPKE
City,State,Zip:	NEWBURYPORT, MA 01950
Facility ID:	3-0002921
Source Type:	DRUMS
Release Town:	NEWBURYPORT
Notification Date:	01/15/1990
Category:	NONE
Associated ID:	Not reported
Current Status:	RAO
Status Date:	07/16/1996
Phase:	Not reported
Response Action Outcome:	A2
Oil Or Haz Material:	Not reported

Name:	JUNKYARD FMR
Address:	OCEAN AVE PLUM ISLAND TPKE
City,State,Zip:	NEWBURYPORT, MA 01950
Facility ID:	3-0002921
Source Type:	TRANSFORM
Release Town:	NEWBURYPORT
Notification Date:	01/15/1990
Category:	NONE
Associated ID:	Not reported
Current Status:	RAO
Status Date:	07/16/1996
Phase:	Not reported
Response Action Outcome:	A2
Oil Or Haz Material:	Not reported

Release:

Name:	JUNKYARD FMR
Address:	OCEAN AVE PLUM ISLAND TPKE
City,State,Zip:	NEWBURYPORT, MA 01950
Release Tracking Number/Current Status:	3-0002921 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	01/15/1990
Category:	NONE
Status Date:	07/16/1996
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type:	Not reported

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

Actions:

Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	1/15/1990

JUNKYARD FMR (Continued) **S100361798**

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: 4/18/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVREC
Action Date: 5/7/1991
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: 7/16/1996
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: 7/16/1996
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: 7/16/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVSIG
Action Date: 8/5/1991
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVACC
Action Date: 8/8/1991
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: PCBS
Quantity: Not reported
Location Type: JUNKYARD
Location Type: FORMER
Source: TRANSFORM
Source: DRUMS

O61 **RT 1 N/NEWBURY-NEWBURYPORT TOWNLINE** **MA SHWS** **S103545683**
SW **3 NEWBURYPORT TPKE** **MA RELEASE** **N/A**
1/2-1 **NEWBURY, MA 01951**
0.761 mi.
4020 ft. **Site 2 of 2 in cluster O**

Relative:
Lower

Actual:
21 ft.

SHWS:

Name:	RT 1 N/NEWBURY-NEWBURYPORT TOWNLINE
Address:	3 NEWBURYPORT TPKE
City,State,Zip:	NEWBURY, MA 01951
Facility ID:	3-0010321
Source Type:	CONTAINERS
Release Town:	NEWBURY
Notification Date:	12/20/1993
Category:	TWO HR
Associated ID:	Not reported
Current Status:	RAONR
Status Date:	09/09/2016
Phase:	Not reported
Response Action Outcome:	Not reported
Oil Or Haz Material:	Hazardous Material

Release:

Name:	RT 1 N/NEWBURY-NEWBURYPORT TOWNLINE
Address:	3 NEWBURYPORT TPKE
City,State,Zip:	NEWBURY, MA 01951
Release Tracking Number/Current Status:	3-0010321 / RAONR
Primary ID:	Not reported
Official City:	NEWBURY
Notification:	12/20/1993
Category:	TWO HR
Status Date:	09/09/2016
Phase:	Not reported
Response Action Outcome:	-
Oil / Haz Material Type:	Hazardous Material

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

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:	1/12/1994
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	1/12/1994
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	1/18/1994
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	1/2/1997
Response Action Outcome:	Not reported

RT 1 N/NEWBURY-NEWBURYPORT TOWNLINE (Continued) **S103545683**

Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	1/21/1994
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	1/24/1994
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Permit Effective Date
Action Date:	1/24/2002
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	1/25/1994
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	1/26/1994
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	1/28/1994
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	1/31/1994
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	1/4/1996
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Modified Revised or Updated Plan Received
Action Date:	10/2/2001
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	10/2/2001
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	11/12/1996
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via IRA Completion Statement

RT 1 N/NEWBURY-NEWBURYPORT TOWNLINE (Continued) **S103545683**

Action Date: 11/12/2004
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 11/22/1994
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 11/23/1994
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 11/24/1995
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 11/30/1994
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 12/1/1994
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 12/13/1995
Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead
Action Status: Work Started
Action Date: 12/20/1993
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 12/20/1993
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 12/20/1993
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: 12/20/1993
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 12/21/1993
Response Action Outcome: Not reported

RT 1 N/NEWBURY-NEWBURYPORT TOWNLINE (Continued) **S103545683**

Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	12/22/1993
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	12/23/1993
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	12/27/1993
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	12/28/1993
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	2/23/1994
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	2/8/1994
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Permit Extension Received
Action Date:	3/10/2006
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	3/11/2002
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Permit Extension Received
Action Date:	3/13/2013
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	3/14/2008
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	3/15/1994
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD

RT 1 N/NEWBURY-NEWBURYPORT TOWNLINE (Continued) **S103545683**

Action Date: 3/15/1994
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/16/1994
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/17/1994
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 3/19/2004
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 3/21/1994
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/28/1997
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/30/1994
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 3/31/1994
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 3/31/1994
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 3/4/1994
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/6/1996
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/9/1994
Response Action Outcome: Not reported

RT 1 N/NEWBURY-NEWBURYPORT TOWNLINE (Continued) **S103545683**

Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	4/1/1994
Response Action Outcome:	Not reported

Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	4/12/1994
Response Action Outcome:	Not reported

Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	4/2/1994
Response Action Outcome:	Not reported

Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	4/2/2002
Response Action Outcome:	Not reported

Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	4/24/1995
Response Action Outcome:	Not reported

Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	4/27/1994
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	Permit Extension Received
Action Date:	4/30/2008
Response Action Outcome:	Not reported

Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	4/4/1994
Response Action Outcome:	Not reported

Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	5/14/2002
Response Action Outcome:	Not reported

Action Type:	Immediate Response Action
Action Status:	Written Approval of Plan
Action Date:	5/15/1995
Response Action Outcome:	Not reported

Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	5/27/1994
Response Action Outcome:	Not reported

Action Type:	RLFA
Action Status:	FOLFLD

RT 1 N/NEWBURY-NEWBURYPORT TOWNLINE (Continued) **S103545683**

Action Date: 5/3/1994
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 5/3/2002
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: ACO
Action Date: 5/7/2004
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 6/11/2010
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 6/17/1994
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 6/26/1996
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 6/3/2003
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/7/1994
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/8/1994
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/12/1994
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1B Classification
Action Date: 7/26/1995
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/26/1995
Response Action Outcome: Not reported

RT 1 N/NEWBURY-NEWBURYPORT TOWNLINE (Continued) **S103545683**

Action Type:	RAO Not Required
Action Status:	Linked to a Tier Classified Site
Action Date:	7/26/1995
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via Tier Classification Submittal
Action Date:	7/27/1995
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action - DEP Lead
Action Status:	Work Started
Action Date:	7/28/1994
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Imminent Hazard Evaluation Received
Action Date:	7/3/1995
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	7/3/1995
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	8/31/1995
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	8/4/1994
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	8/5/1994
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of a Modified Plan
Action Date:	9/10/2001
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	9/10/2001
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Permit Extension Received
Action Date:	9/2/2010
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Permit Extension Received

RT 1 N/NEWBURY-NEWBURYPORT TOWNLINE (Continued) **S103545683**

Action Date: 9/24/2001
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 9/28/2016
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 9/9/2016
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 9/9/2016
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 9/9/2016
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: TCEXT
Action Date: 9/9/2016
Response Action Outcome: Not reported

Chemicals:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Quantity: Not reported
Location Type: WETLANDS
Location Type: COMMERCIAL
Location Type: INDUSTRIAL
Source: CONTAINERS

P62 **BRIDGE MARINA** **MA SHWS** **U003654576**
NNW **179 BRIDGE RD** **MA UST** **N/A**
1/2-1 **SALISBURY, MA 01952** **MA AST**
0.777 mi. **MA INST CONTROL**
4105 ft. **Site 1 of 2 in cluster P** **MA RELEASE**
MA ENF

Relative:
Lower

Actual:
1 ft.

SHWS:
Name: BRIDGE ROAD MARINA
Address: 179 BRIDGE RD
City,State,Zip: SALISBURY, MA 01952-2416
Facility ID: 3-0028246
Source Type: UNDER
Release Town: SALISBURY
Notification Date: 12/29/2008
Category: 72 HR
Associated ID: Not reported
Current Status: RAO
Status Date: 05/12/2009
Phase: Not reported
Response Action Outcome: A2

BRIDGE MARINA (Continued) **U003654576**

Oil Or Haz Material: Oil

Name: BRIDGE ROAD MARINA
Address: 179 BRIDGE RD
City,State,Zip: SALISBURY, MA 01952-2416
Facility ID: 3-0028246
Source Type: INVESTIGA
Release Town: SALISBURY
Notification Date: 12/29/2008
Category: 72 HR
Associated ID: Not reported
Current Status: RAO
Status Date: 05/12/2009
Phase: Not reported
Response Action Outcome: A2
Oil Or Haz Material: Oil

Name: BRIDGE MARINA
Address: 179 BRIDGE RD
City,State,Zip: SALISBURY, MA 01952-0000
Facility ID: 3-0028490
Source Type: UNKNOWN
Release Town: SALISBURY
Notification Date: 05/05/2009
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 12/22/2010
Phase: PHASE III
Response Action Outcome: B2
Oil Or Haz Material: Oil

UST:

Facility:
Name: BRIDGE MARINA
Address: 179 BRIDGE RD
City,State,Zip: SALISBURY, MA 01952
Facility ID: 5902
Owner Id: 855
Owner: BENJAMIN CHAMBERLAIN REALTY LLC
Owner Address: P.O. Box 1480
Owner City,St,Zip: NEWBURYPORT, MA 01950
Telephone: 9784651153
Description: Marina
Facility address 2: Not reported
Owner address 2: Not reported
Latitude: 42.81681
Longitude: -70.87085
Contact name: Mark Audette
Contact address1: P.O. Box 1480
Contact address2: Not reported
Contact city: Newburyport
Contact state: MA
Contact zip: 01950
Contact email: OFFICE@BRIDGEMARINA.COMCASTBIZ.NET
Update: 2016-06-07 00:00:00

BRIDGE MARINA (Continued) **U003654576**

Update by: Mark Audette
Fac status: OPEN

Tank ID: 1
Tank Status: Tank Removed
Status Date: 02/03/1991
Date Installed: 04/18/1977
Capacity: 5000.00000
Contents: Diesel
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 2
Tank Status: Tank Removed
Status Date: 02/03/1991
Date Installed: 04/18/1977
Capacity: 5000.00000
Contents: Diesel
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N

BRIDGE MARINA (Continued) **U003654576**

Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 3
Tank Status: In Use
Status Date: Not reported
Date Installed: 02/01/1991
Capacity: 8000.00000
Contents: Diesel
Tank Usage: Marina
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Continuous Interstitial Space Monitoring
Latitude: 42.81718
Longitude: -70.87067
Tank construct: Double-walled metal tank (cathodic protection required)
Pipe construct: Double-walled non-corrodible material (No corrosion protection required)
Ptype: Pressurized piping system with mechanical automatic line leak detection
Number of compartment: Not reported
Pipe install date: 02/01/1991
Pipe leak install date: Not reported
Submersible sump: Y
Submersible sump install date: Not reported
Turbine sump: Y
Turbine sump sensor: Y
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Automatic shut-off valve
Automatic line leak detect: Not reported
Tank corrosion type: Manufactured Sacrificial Anode (Galvanic) System
Leak corrosion type: Not reported

Tank ID: 4
Tank Status: In Use
Status Date: Not reported
Date Installed: 02/01/1991
Capacity: 8000.00000
Contents: Gasoline
Tank Usage: Marina
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Continuous Interstitial Space Monitoring
Latitude: 42.81716
Longitude: -70.87065
Tank construct: Double-walled metal tank (cathodic protection required)
Pipe construct: Double-walled non-corrodible material (No corrosion protection required)
Ptype: Pressurized piping system with mechanical automatic line leak detection

BRIDGE MARINA (Continued) **U003654576**

Number of compartment: Not reported
Pipe install date: 02/01/1991
Pipe leak install date: Not reported
Submersible sump: Y
Submersible sump install date: Not reported
Turbine sump: Y
Turbine sump sensor: Y
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Automatic shut-off valve
Automatic line leak detect: Not reported
Tank corrosion type: Manufactured Sacrificial Anode (Galvanic) System
Leak corrosion type: Not reported

AST:

Name:	BRIDGE MARINA
Address:	179 BRIDGE RD
City,State,Zip:	SALISBURY, MA 01952
Owner Name:	BRIDGE MARINA
Tank Type:	UST
Class:	STG1
Stage I Type:	Coaxial
CARB # or System Type:	Pre-EVR/EVR
Test Cycle:	Annual
Date Form Mailed:	08/06/2020
Test Date:	Not reported
Postmark Date:	Not reported
Due Date:	11/15/2020
Form:	FormC
Form Rcvd and Complete?:	Not Received
Facility ID:	136087
Tank ID:	Not reported
Serial Number:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Contents:	Not reported
Tank Use:	Not reported
Tank Material:	Not reported
Tank Construction:	Not reported
Tank Leak Detection:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Leak Detection:	Not reported
Aboveground:	Not reported

INST CONTROL:

Name:	BRIDGE MARINA
Address:	179 BRIDGE RD
City,State,Zip:	SALISBURY, MA 01952-0000
Release Tracking Number:	3-0028490
Action Type:	AUL
Action Stat:	RECPT
Action Date:	12/21/2010

BRIDGE MARINA (Continued) **U003654576**

Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Release:

Name:	BRIDGE ROAD MARINA
Address:	179 BRIDGE RD
City,State,Zip:	SALISBURY, MA 01952-2416
Release Tracking Number/Current Status:	3-0028246 / RAO
Primary ID:	Not reported
Official City:	SALISBURY
Notification:	12/29/2008
Category:	72 HR
Status Date:	05/12/2009
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type:	Oil

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

Actions:

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	1/21/2009
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:	1/21/2009
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 a Modified Plan
Action Date:	1/26/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	1/26/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RLFA
Action Status:	FLDD1A
Action Date:	1/8/2009
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 a Modified Plan
Action Date:	1/8/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been

BRIDGE MARINA (Continued) **U003654576**

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 10/8/2009
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: 12/29/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 12/29/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 2/27/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 3/3/2009
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: 4/2/2009
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: 4/24/2009
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: 5/12/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/12/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO

BRIDGE MARINA (Continued) **U003654576**

Action Status: Fee Received - FMCRA Use Only
Action Date: 5/14/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNFE
Action Status: Submittal Retracted
Action Date: 5/5/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: WEATHERED GASOLINE
Quantity: 4.5 inches
Chemical: GASOLINE
Quantity: 4.5 inches
Location Type: MARINA
Location Type: COMMERCIAL
Source: UNDER
Source: INVESTIGA

Name: BRIDGE MARINA
Address: 179 BRIDGE RD
City,State,Zip: SALISBURY, MA 01952-0000
Release Tracking Number/Current Status: 3-0028490 / RAO
Primary ID: Not reported
Official City: SALISBURY
Notification: 05/05/2009
Category: 120 DY
Status Date: 12/22/2010
Phase: PHASE III
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Compliance and Enforcement Action
Action Status: ACOP
Action Date: 10/27/2015
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/21/2010
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/22/2010

BRIDGE MARINA (Continued) **U003654576**

Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 12/22/2010
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: BOL
Action Status: SHPFAC
Action Date: 12/9/2016
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 3/15/2010
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/15/2016
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/5/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 5/5/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 5/5/2010
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/5/2010
Response Action Outcome: Remedial actions have not been conducted because a level of No

BRIDGE MARINA (Continued) **U003654576**

Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 5/5/2010
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: BOL
Action Status: SHPFAC
Action Date: 6/30/2016
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 7/19/2011
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

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: 8/4/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Chemicals:
Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 1390 milligrams per kilogram
Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Quantity: 1200 milligrams per kilogram
Chemical: C9 THRU C12 ALIPHATIC HYDROCARBONS
Quantity: 2040 milligrams per kilogram
Source: UNKNOWN

ENFORCEMENT:
Name: BM, LLC
Address: 179 BRIDGE RD
City,State,Zip: SALISBURY, MA 01952-0000
Region: NERO
DEP Region: NERO
DEP Program: 3r
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0028490
High Or Low Level Enforcement: HLE
FMF #: 0
Comptroller Billing Name: Not reported
Town Where Violation Occurred: SALISBURY
Date Executed: 10/27/2015
ENF #: ACOP-NE-15-3R025

BRIDGE MARINA (Continued) **U003654576**

Document Type:	ACOP
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	NO
Regional Comment:	Not reported
Final Payment Due Date:	11/27/2015
ACOP $:	7000
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	7380
Ownership:	Commercially Owned

63
SW
1/2-1
0.793 mi.
4186 ft.

EXXON STATION 3 0981
NEWBURYPORT TPKE RTE 1
NEWBURYPORT, MA 01950

MA SHWS **S105199288**
MA RELEASE **N/A**

Relative:
Lower

Actual:
19 ft.

SHWS:

Name:	EXXON STATION 3 0981
Address:	NEWBURYPORT TPKE RTE 1
City,State,Zip:	NEWBURYPORT, MA 01950
Facility ID:	3-0000760
Source Type:	Not reported
Release Town:	NEWBURYPORT
Notification Date:	10/15/1988
Category:	NONE
Associated ID:	Not reported
Current Status:	RAO
Status Date:	08/01/1995
Phase:	PHASE II
Response Action Outcome:	NC
Oil Or Haz Material:	Not reported

Release:

Name:	EXXON STATION 3 0981
Address:	NEWBURYPORT TPKE RTE 1
City,State,Zip:	NEWBURYPORT, MA 01950
Release Tracking Number/Current Status:	3-0000760 / RAO
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	10/15/1988
Category:	NONE
Status Date:	08/01/1995
Phase:	PHASE II
Response Action Outcome:	NC - NC
Oil / Haz Material Type:	Not reported

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

Actions:

Action Type:	Release Disposition
Action Status:	Valid Transition Site

EXXON STATION 3 0981 (Continued) **S105199288**

Action Date: 10/15/1988
Response Action Outcome: NC

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 8/1/1995
Response Action Outcome: NC

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/1/1995
Response Action Outcome: NC

Action Type: TREGS
Action Status: RAOEQ
Action Date: 8/1/1995
Response Action Outcome: NC

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

P64 **CORNER OF MARCH RD** **MA SHWS S104847409**
NNW **175 BRIDGE RD** **MA RELEASE N/A**
1/2-1 **SALISBURY, MA 01952**
0.799 mi.
4217 ft. **Site 2 of 2 in cluster P**

Relative:
Lower

Actual:
4 ft.

SHWS:
Name: CORNER OF MARCH RD
Address: 175 BRIDGE RD
City,State,Zip: SALISBURY, MA 01952-0000
Facility ID: 3-0019642
Source Type: Not reported
Release Town: SALISBURY
Notification Date: 11/22/2000
Category: 120 DY
Associated ID: Not reported
Current Status: RAO
Status Date: 11/22/2000
Phase: Not reported
Response Action Outcome: B1
Oil Or Haz Material: Oil

Release:
Name: CORNER OF MARCH RD
Address: 175 BRIDGE RD
City,State,Zip: SALISBURY, MA 01952-0000
Release Tracking Number/Current Status: 3-0019642 / RAO
Primary ID: Not reported
Official City: SALISBURY
Notification: 11/22/2000
Category: 120 DY
Status Date: 11/22/2000
Phase: Not reported
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.

CORNER OF MARCH RD (Continued) **S104847409**

Oil / Haz Material Type: Oil

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

Actions:

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	11/22/2000
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:	11/22/2000
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:	11/22/2000
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:

Chemical:	C11 THRU C22 AROMATIC HYDROCARBONS
Quantity:	420 parts per million
Chemical:	C9 THRU C10 AROMATIC HYDROCARBONS
Quantity:	1300 parts per billion
Chemical:	C9 THRU C18 ALIPHATIC HYDROCARBONS
Quantity:	1300 parts per million

---

65 **OWENS BROCKWAY PLASTIC PRODUCTS INC** **MA SHWS** **S106030344**
WSW **34 PARKER ST** **MA RELEASE** **N/A**
1/2-1 **NEWBURYPORT, MA 01950** **MA ENF**
0.814 mi.
4300 ft.

Relative:
Lower

Actual:
22 ft.

SHWS:

Name:	OWENS BROCKWAY PLASTIC PRODUCTS INC
Address:	34 PARKER ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0023232
Source Type:	Not reported
Release Town:	NEWBURYPORT
Notification Date:	10/01/2003
Category:	120 DY
Associated ID:	Not reported
Current Status:	RAO
Status Date:	08/23/2005
Phase:	PHASE II
Response Action Outcome:	A2
Oil Or Haz Material:	Oil and Hazardous Material

Release:

Name:	OWENS BROCKWAY PLASTIC PRODUCTS INC
Address:	34 PARKER ST

OWENS BROCKWAY PLASTIC PRODUCTS INC (Continued) **S106030344**

City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0023232 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 10/01/2003
Category: 120 DY
Status Date: 08/23/2005
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 and Hazardous Material

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

Actions:

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/1/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/1/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 10/15/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 10/22/2003
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: 10/24/2003
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: 10/31/2003
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: 10/5/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

OWENS BROCKWAY PLASTIC PRODUCTS INC (Continued) **S106030344**

Action Type: Phase 1
Action Status: Completion 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: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/5/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 10/5/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 10/5/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: DEPRET
Action Date: 11/20/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 3/3/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/23/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: VINYL CHLORIDE
Quantity: 2.7 milligrams per kilogram
Chemical: C19 THRU C36 ALIPHATIC HYDROCARBONS
Quantity: 6800 milligrams per kilogram
Chemical: DIBENZO[A,H]ANTHRACENE
Quantity: 0.91 milligrams per kilogram
Chemical: VINYL CHLORIDE
Quantity: 69 parts per billion

ENFORCEMENT:
Name: OWENS-BROCKWAY PLASTIC PRODUCTS INC.
Address: 34 PARKER ST
City,State,Zip: NEWBURYPORT, MA 01950-0000

OWENS BROCKWAY PLASTIC PRODUCTS INC (Continued) **S106030344**

Region:	NERO
DEP Region:	NERO
DEP Program:	3a
DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0023232
High Or Low Level Enforcement:	LLE
FMF #:	0
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	10/15/2007
ENF #:	NON-NE-07-3A139
Document Type:	NON
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

66
SW
1/2-1
0.823 mi.
4346 ft.

NEWBURYPORT LAYOVER STATION **MA SHWS S106344213**
9 NEWBURYPORT TPKE **MA RELEASE N/A**
NEWBURY, MA 01951

Relative:
Lower

Actual:
24 ft.

SHWS:

Name:	NEWBURYPORT LAYOVER STATION
Address:	9 NEWBURYPORT TPKE
City,State,Zip:	NEWBURY, MA 01951-1113
Facility ID:	3-0023729
Source Type:	Not reported
Release Town:	NEWBURY
Notification Date:	04/02/2004
Category:	TWO HR
Associated ID:	Not reported
Current Status:	RAO
Status Date:	04/06/2007
Phase:	PHASE II
Response Action Outcome:	A2
Oil Or Haz Material:	Not reported

Release:

Name:	NEWBURYPORT LAYOVER STATION
Address:	9 NEWBURYPORT TPKE
City,State,Zip:	NEWBURY, MA 01951-1113
Release Tracking Number/Current Status:	3-0023729 / RAO
Primary ID:	Not reported
Official City:	NEWBURY

NEWBURYPORT LAYOVER STATION (Continued) **S106344213**

Notification: 04/02/2004
Category: TWO HR
Status Date: 04/06/2007
Phase: PHASE II
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Not reported

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

Actions:

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/24/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/27/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/28/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 4/1/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/1/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 4/1/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/1/2005
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: 4/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

NEWBURYPORT LAYOVER STATION (Continued) **S106344213**

reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 4/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/29/2004
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: 4/6/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 4/6/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/8/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 6/8/2004
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: 7/25/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 7/26/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 7/30/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

NEWBURYPORT LAYOVER STATION (Continued) **S106344213**

Chemicals:
Chemical: LOCOMOTIVE OIL
Quantity: Not reported
Location Type: INDUSTRIAL

Q67 **NO LOCATION AID** **MA SHWS** **S104562475**
NW **198 MERRIMAC ST** **MA LAST** **N/A**
1/2-1 **NEWBURYPORT, MA 01950** **MA RELEASE**
0.941 mi. **MA HW GEN**
4967 ft. **Site 1 of 4 in cluster Q**

Relative: Lower
Actual: 13 ft.

SHWS:
Name: NO LOCATION AID
Address: 198 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0019414
Source Type: PIPE
Release Town: NEWBURYPORT
Notification Date: 02/17/2000
Category: TWO HR
Associated ID: Not reported
Current Status: RAO
Status Date: 06/23/2000
Phase: Not reported
Response Action Outcome: A1
Oil Or Haz Material: Oil

LAST:
Name: NO LOCATION AID
Address: 198 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0019414 / RAO
Source Type: AST
Release Town: NEWBURYPORT
Notification Date: 02/17/2000
Category: TWO HR
Associated ID: Not reported
Status Date: 06/23/2000
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material: Oil

Chemicals:
Chemical: FUEL OIL #2
Quantity: 200 gallons
Chemical: #2 FUEL OIL
Quantity: 390 gallons
Location Type: COMMERCIAL
Location Type: INDUSTRIAL
Source: PIPE
Source: AST

Actions:
Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 2/17/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

NO LOCATION AID (Continued) **S104562475**

to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/17/2000
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: 4/19/2000
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: Written Plan Received
Action Date: 4/20/2000
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: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 5/10/2000
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: 6/23/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release:
Name: NO LOCATION AID
Address: 198 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0019414 / RAO
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 02/17/2000
Category: TWO HR
Status Date: 06/23/2000
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 / Haz Material Type: Oil

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

Actions:
Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 2/17/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

NO LOCATION AID (Continued) **S104562475**

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/17/2000
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: 4/19/2000
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: Written Plan Received
Action Date: 4/20/2000
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: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 5/10/2000
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: 6/23/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: FUEL OIL #2
Quantity: 200 gallons
Chemical: #2 FUEL OIL
Quantity: 390 gallons
Location Type: COMMERCIAL
Location Type: INDUSTRIAL
Source: PIPE
Source: AST

HW GEN:
Name: LOMBARDI OIL COMPANY INC
Address: 198 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950
EPA Id: MAR000546010
RCRA Generator Status: VSQG
State Generator Status: VQG-MA

68
WSW
1/2-1
0.942 mi.
4972 ft.

Relative:
Lower

Actual:
12 ft.

CIRCLE FINISHING INC
RTE 1 TRAFFIC CIR
NEWBURYPORT, MA 01950

Database(s): SEMS, CORRACTS, RCRA NonGen / NLR, ICIS, US AIRS, NY MANIFEST

EDR ID Number: 1000173920
EPA ID Number: MAD047070305

SEMS:

Site ID:	0100513
EPA ID:	MAD047070305
Name:	CIRCLE FINISHING
Address:	TRAFFIC CIRCLE, RT. 1
Address 2:	Not reported
City,State,Zip:	NEWBURYPORT, MA 01950
Cong District:	06
FIPS Code:	25009
Latitude:	Not reported
Longitude:	Not reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Other Cleanup Activity: State-Lead Cleanup

SEMS Detail:

Region:	01
Site ID:	0100513
EPA ID:	MAD047070305
Site Name:	CIRCLE FINISHING
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	6/30/1987 4:00:00 AM
Qual:	L
Current Action Lead:	EPA Perf

Region:	01
Site ID:	0100513
EPA ID:	MAD047070305
Site Name:	CIRCLE FINISHING
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1984-12-01 06:00:00
Finish Date:	12/1/1984 6:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	01
Site ID:	0100513
EPA ID:	MAD047070305
Site Name:	CIRCLE FINISHING
NPL:	N
FF:	N
OU:	00

CIRCLE FINISHING INC (Continued) **1000173920**

Action Code: VA
Action Name: OTHR CLEANUP
SEQ: 1
Start Date: 2000-10-25 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: St Ovrsght

CORRACTS:
Name: CIRCLE FINISHING INC
Address: RTE 1 TRAFFIC CIR
Address 2: Not reported
Area Name: ENTIRE FACILITY
Corrective Action: CA211
Actual Date: 2000-10-25 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CIRCLE FINISHING INC
Address: RTE 1 TRAFFIC CIR
Address 2: Not reported
Area Name: ENTIRE FACILITY
Corrective Action: CA050RF
Actual Date: 1993-08-30 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CIRCLE FINISHING INC
Address: RTE 1 TRAFFIC CIR
Address 2: Not reported
Area Name: ENTIRE FACILITY
Corrective Action: CA075HI
Actual Date: 1993-09-10 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CIRCLE FINISHING INC
Address: RTE 1 TRAFFIC CIR
Address 2: Not reported
Area Name: ENTIRE FACILITY
Corrective Action: CA210SF
Actual Date: 2000-10-04 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA NonGen / NLR:
Date Form Received by Agency: 1996-08-14 00:00:00.0

CIRCLE FINISHING INC (Continued) **1000173920**

Handler Name:	CIRCLE FINISHING INC
Handler Address:	RTE 1 TRAFFIC CIR
Handler City,State,Zip:	NEWBURYPORT, MA 01950
EPA ID:	MAD047070305
Contact Name:	RODNEY-L ITALIEN JR
Contact Address:	RTE 1 TRAFFIC CIR
Contact City,State,Zip:	NEWBURYPORT, MA 01950-0000
Contact Telephone:	508-462-7171
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	01
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	MA
State District:	N
Mailing Address:	RTE 1 TRAFFIC CIR
Mailing City,State,Zip:	NEWBURYPORT, MA 01950-0000
Owner Name:	CIRCLE FINISHING INC
Owner Type:	Private
Operator Name:	CIRCLE FINISHING INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Land Disposal
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Land Disposal
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No

CIRCLE FINISHING INC (Continued) **1000173920**

Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	High
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2017-10-20 14:11:20.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	F006
Waste Description:	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Waste Code:	F008
Waste Description:	PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.
Waste Code:	F009
Waste Description:	SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CIRCLE FINISHING INC
Legal Status:	Private
Date Became Current:	1968-03-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	RTE 1 TRAFFIC CIR
Owner/Operator City,State,Zip:	NEWBURYPORT, MA 01950
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CIRCLE FINISHING INC
Legal Status:	Private
Date Became Current:	1968-03-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	RTE 1 TRAFFIC CIR
Owner/Operator City,State,Zip:	NEWBURYPORT, MA 01950-0000
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CIRCLE FINISHING INC
Legal Status:	Private
Date Became Current:	1968-03-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	RTE 1 TRAFFIC CIR
Owner/Operator City,State,Zip:	NEWBURYPORT, MA 01950-0000
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CIRCLE FINISHING INC
Legal Status:	Private
Date Became Current:	1968-03-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CIRCLE FINISHING INC
Legal Status:	Private
Date Became Current:	1968-03-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	RTE 1 TRAFFIC CIR
Owner/Operator City,State,Zip:	NEWBURYPORT, MA 01950
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CIRCLE FINISHING INC
Legal Status:	Private
Date Became Current:	1968-03-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	RTE 1 TRAFFIC CIR
Owner/Operator City,State,Zip:	NEWBURYPORT, MA 01950-0000
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	LITALIEN-JR RODNEY
Legal Status:	Private
Date Became Current:	2004-10-16 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	RTE 1 TRAFFIC CIR
Owner/Operator City,State,Zip:	NEWBURYPORT, MA 01950
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CIRCLE FINISHING INC
Legal Status:	Private
Date Became Current:	1968-03-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	RTE 1 TRAFFIC CIR
Owner/Operator City,State,Zip:	NEWBURYPORT, MA 01950-0000
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1991-11-06 00:00:00.0
Handler Name: CIRCLE FINISHING INC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	MA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	1991-10-16 00:00:00.0
Handler Name: CIRCLE FINISHING INC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	MA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	1996-08-14 00:00:00.0
Handler Name: CIRCLE FINISHING INC	
Federal Waste Generator Description:	Not a generator, verified

CIRCLE FINISHING INC (Continued) **1000173920**

State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-05 00:00:00.0
Handler Name: CIRCLE FINISHING INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1995-07-31 00:00:00.0
Handler Name: CIRCLE FINISHING INC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: MA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332111
NAICS Description: IRON AND STEEL FORGING

NAICS Code: 332813
NAICS Description: ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	1988-08-26 00:00:00.0
Actual Return to Compliance Date:	1989-03-03 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-03-03 00:00:00.0
Enforcement Identifier:	006
Date of Enforcement Action:	1989-01-19 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 1993-04-21 00:00:00.0
Actual Return to Compliance Date: 1998-04-21 00:00:00.0
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: 1994-01-02 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1993-12-01 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Enforcement Attorney:	R1
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R1NS
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	1988-07-06 00:00:00.0
Actual Return to Compliance Date:	1989-03-03 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-02-21 00:00:00.0
Enforcement Identifier:	006
Date of Enforcement Action:	1989-01-19 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 1993-04-21 00:00:00.0
Actual Return to Compliance Date: 1998-04-21 00:00:00.0
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: 1994-01-02 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1993-12-01 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: R1
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R1NS
Enforcement Responsible Sub-Organization: NE
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1991-06-26 00:00:00.0
Actual Return to Compliance Date: 1992-05-06 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1991-08-12 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1991-07-19 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	DJBMA
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	1988-08-26 00:00:00.0
Actual Return to Compliance Date:	1989-03-03 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-03-03 00:00:00.0
Enforcement Identifier:	006
Date of Enforcement Action:	1989-01-19 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 1984-05-02 00:00:00.0
Actual Return to Compliance Date: 1989-05-10 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1991-06-26 00:00:00.0
Actual Return to Compliance Date:	1992-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1991-08-12 00:00:00.0
Enforcement Identifier:	000
Date of Enforcement Action:	1991-07-19 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	DJBMA
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 1988-08-26 00:00:00.0
Actual Return to Compliance Date: 1989-03-03 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1989-03-03 00:00:00.0
Enforcement Identifier: 006
Date of Enforcement Action: 1989-01-19 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1988-08-26 00:00:00.0
Actual Return to Compliance Date:	1989-05-10 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	1989-01-19 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1991-06-26 00:00:00.0
Actual Return to Compliance Date:	1992-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1991-08-12 00:00:00.0
Enforcement Identifier:	000
Date of Enforcement Action:	1991-07-19 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	DJBMA
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1991-06-26 00:00:00.0
Actual Return to Compliance Date:	1992-05-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1991-08-12 00:00:00.0
Enforcement Identifier:	000
Date of Enforcement Action:	1991-07-19 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	DJBMA
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 1984-05-02 00:00:00.0
Actual Return to Compliance Date: 1989-05-10 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1988-08-26 00:00:00.0
Actual Return to Compliance Date: 1989-05-10 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 1989-01-19 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: NE
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 1988-07-06 00:00:00.0
Actual Return to Compliance Date: 1989-03-03 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1989-02-21 00:00:00.0
Enforcement Identifier: 006
Date of Enforcement Action: 1989-01-19 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	NE
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 2004-11-24 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: DPLMA
Evaluation Responsible Sub-Organization: NE
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Former Citation:	Not reported
Evaluation Date:	1988-08-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	1989-03-03 00:00:00.0
Scheduled Compliance Date:	1989-03-03 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1984-10-15 00:00:00.0
Evaluation Responsible Agency:	EPA-Initiated Oversight/Observation/Training Actions
Found Violation:	No
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1993-04-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R1JAC
Evaluation Responsible Sub-Organization:	BN
Actual Return to Compliance Date:	1998-04-21 00:00:00.0
Scheduled Compliance Date:	1994-01-02 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-08-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	1989-03-03 00:00:00.0
Scheduled Compliance Date:	1989-02-21 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1993-04-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes

CIRCLE FINISHING INC (Continued) **1000173920**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R1JAC
Evaluation Responsible Sub-Organization:	BN
Actual Return to Compliance Date:	1998-04-21 00:00:00.0
Scheduled Compliance Date:	1994-01-02 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-06-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R1C&B
Evaluation Responsible Sub-Organization:	NB
Actual Return to Compliance Date:	1992-05-06 00:00:00.0
Scheduled Compliance Date:	1991-08-12 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-08-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	1989-03-03 00:00:00.0
Scheduled Compliance Date:	1989-03-03 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1989-05-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R1TC
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1984-05-02 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-10 00:00:00.0
Scheduled Compliance Date:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-06-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R1C&B
Evaluation Responsible Sub-Organization:	NB
Actual Return to Compliance Date:	1992-05-06 00:00:00.0
Scheduled Compliance Date:	1991-08-12 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1990-08-08 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R1TC
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-08-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	1989-03-03 00:00:00.0
Scheduled Compliance Date:	1989-03-03 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-08-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	1989-05-10 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Evaluation Date:	1991-06-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R1C&B
Evaluation Responsible Sub-Organization:	NB
Actual Return to Compliance Date:	1992-05-06 00:00:00.0
Scheduled Compliance Date:	1991-08-12 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1989-05-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R1TC
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1991-04-25 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R1JC
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1991-06-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R1C&B
Evaluation Responsible Sub-Organization:	NB
Actual Return to Compliance Date:	1992-05-06 00:00:00.0
Scheduled Compliance Date:	1991-08-12 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1986-11-24 00:00:00.0
Evaluation Responsible Agency:	EPA-Initiated Oversight/Observation/Training Actions
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1984-05-02 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-10 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1988-08-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	1989-05-10 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1988-07-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	NE
Actual Return to Compliance Date:	1989-03-03 00:00:00.0
Scheduled Compliance Date:	1989-02-21 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1992-05-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R1JAC
Evaluation Responsible Sub-Organization:	DB
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-06-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R1B&C
Evaluation Responsible Sub-Organization:	NB
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ICIS:
Enforcement Action ID: MA000A200113271

CIRCLE FINISHING INC (Continued) **1000173920**

FRS ID:	110007401285
Action Name:	Not reported
Facility Name:	CIRCLE FINISHING INC
Facility Address:	19 GRAF ROAD NEWBURYPORT, CITY OF, MA 019500000
Enforcement Action Type:	Administrative Order
Facility County:	ESSEX
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	3471
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.805031
Longitude in Decimal Degrees:	-70.883014
Permit Type Desc:	Not reported
Program System Acronym:	MA0000002512100286
Facility NAICS Code:	332813
Tribal Land Code:	Not reported

US AIRS MINOR:

Envid:	1000173920
Region Code:	01
Programmatic ID:	AIR MA0000002512100286
Facility Registry ID:	110007401285
D and B Number:	Not reported
Primary SIC Code:	3471
NAICS Code:	332813
Default Air Classification Code:	MIN
Facility Type of Ownership Code:	POF
Air CMS Category Code:	Not reported
HPV Status:	Not reported

US AIRS MINOR:

Region Code:	01
Programmatic ID:	AIR MA0000002512100286
Facility Registry ID:	110007401285
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1993-04-21 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	01
Programmatic ID:	AIR MA0000002512100286
Facility Registry ID:	110007401285
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1993-06-07 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

CIRCLE FINISHING INC (Continued) **1000173920**

Region Code: 01
Programmatic ID: AIR MA0000002512100286
Facility Registry ID: 110007401285
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 01
Programmatic ID: AIR MA0000002512100286
Facility Registry ID: 110007401285
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-07-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 01
Programmatic ID: AIR MA0000002512100286
Facility Registry ID: 110007401285
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-04-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 01
Programmatic ID: AIR MA0000002512100286
Facility Registry ID: 110007401285
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-03-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 01
Programmatic ID: AIR MA0000002512100286
Facility Registry ID: 110007401285
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-11-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

CIRCLE FINISHING INC (Continued) **1000173920**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 01
Programmatic ID: AIR MA0000002512100286
Facility Registry ID: 110007401285
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-02-09 00:00:00
Activity Status Date: 2015-02-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Resolved

NY MANIFEST:
Name: CIRCLE FINISHING CO INC
Address: RTE 1 TRAFFIC CIR
City,State,Zip: NEWBURYPORT, MA 01950
Country: USA
EPA ID: MAD047070305
Facility Status: Not reported
Location Address 1: RTE #1 TRAFFIC CIRCLE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEWBURYPORT
Location State: MA
Location Zip: 01950
Location Zip 4: Not reported

NY MANIFEST:
EPAID: MAD047070305
Mailing Name: CIRCLE FINISHING CO INC
Mailing Contact: SULLIVAN ROBERT MAINTENAN
Mailing Address 1: RTE #1 TRAFFIC CIRCLE
Mailing Address 2: Not reported
Mailing City: NEWBURYPORT
Mailing State: MA
Mailing Zip: 01950
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 6174627171

NY MANIFEST:
Document ID: NYA3528371
Manifest Status: C
seq: Not reported
Year: 1986
Trans1 State ID: MA18676
Trans2 State ID: Not reported
Generator Ship Date: 01/13/1986
Trans1 Recv Date: 01/13/1986
Trans2 Recv Date: / /
TSD Site Recv Date: 01/14/1986
Part A Recv Date: 01/15/1986

CIRCLE FINISHING INC (Continued) **1000173920**

Part B Recv Date:	01/22/1986
Generator EPA ID:	MAD047070305
Trans1 EPA ID:	MAD049440951
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD080336241
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00800
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100

69
West
1/2-1
0.946 mi.
4996 ft.

VERIZON FACILITY
14 HENRY GRAF JR. ROAD
NEWBURYPORT, MA 01950

MA SHWS **S116756095**
MA RELEASE **N/A**

Relative:
Lower

Actual:
12 ft.

SHWS:

Name:	VERIZON FACILITY
Address:	14 HENRY GRAF JR. ROAD
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0032373
Source Type:	UNKNOWN
Release Town:	NEWBURYPORT
Notification Date:	08/13/2014
Category:	120 DY
Associated ID:	Not reported
Current Status:	PSNC
Status Date:	12/18/2014
Phase:	Not reported
Response Action Outcome:	PN
Oil Or Haz Material:	Oil

Release:

Name:	VERIZON FACILITY
Address:	14 HENRY GRAF JR. ROAD

VERIZON FACILITY (Continued) **S116756095**

City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0032373 / PSNC
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 08/13/2014
Category: 120 DY
Status Date: 12/18/2014
Phase: Not reported
Response Action Outcome: PN - PN
Oil / Haz Material Type: Oil

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

Actions:

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 12/18/2014
Response Action Outcome: PN

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/13/2014
Response Action Outcome: PN

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/13/2014
Response Action Outcome: PN

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/13/2014
Response Action Outcome: PN

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: 8/28/2014
Response Action Outcome: PN

Chemicals:

Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Quantity: 3200 milligrams per kilogram
Chemical: C19 THRU C36 ALIPHATIC HYDROCARBONS
Quantity: 19000 milligrams per kilogram
Source: UNKNOWN

Q70 **AT KENT STREET** **MA SHWS** **S105735662**
NW **185 TO 200 MERRIMAC ST** **MA RELEASE** **N/A**
1/2-1 **NEWBURYPORT, MA 01950**
0.951 mi.
5020 ft. **Site 2 of 4 in cluster Q**

Relative: **Lower**
Actual: **11 ft.**

SHWS:
Name: AT KENT STREET
Address: 185 TO 200 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Facility ID: 3-0022292

AT KENT STREET (Continued) **S105735662**

Source Type:	UNKNOWN
Release Town:	NEWBURYPORT
Notification Date:	11/11/2002
Category:	72 HR
Associated ID:	Not reported
Current Status:	RAONR
Status Date:	01/19/2018
Phase:	Not reported
Response Action Outcome:	Not reported
Oil Or Haz Material:	Oil and Hazardous Material

Release:

Name:	AT KENT STREET
Address:	185 TO 200 MERRIMAC ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status:	3-0022292 / RAONR
Primary ID:	Not reported
Official City:	NEWBURYPORT
Notification:	11/11/2002
Category:	72 HR
Status Date:	01/19/2018
Phase:	Not reported
Response Action Outcome:	-
Oil / Haz Material Type:	Oil and Hazardous Material

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

Actions:

Action Type:	Tier Classification
Action Status:	Tier 2 Extension
Action Date:	1/17/2001
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via Tier Classification Submittal
Action Date:	1/19/2018
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	Revised Statement or Transmittal Received
Action Date:	1/19/2018
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	1/19/2018
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	EPETOP
Action Date:	1/19/2018
Response Action Outcome:	Not reported

Action Type:	RAO Not Required
Action Status:	Linked to a Tier Classified Site
Action Date:	1/19/2018

AT KENT STREET (Continued) **S105735662**

Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/22/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: LSP of Record Change via Minor Permit Mod
Action Date: 1/23/2009
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 1/6/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/6/2003
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 1/6/2003
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 1/6/2003
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 1/8/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 10/8/2005
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 11/11/2002
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 11/11/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 11/17/2017
Response Action Outcome: Not reported

AT KENT STREET (Continued) **S105735662**

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/29/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/4/1994
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/13/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/18/2004
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/18/2005
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 3/18/2005
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

AT KENT STREET (Continued) **S105735662**

Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/26/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 3/4/2008
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 3/4/2008
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/13/2004
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 4/3/2003
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: RMRINT
Action Date: 5/1/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: RMRINT
Action Date: 5/31/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: RMRINT
Action Date: 6/29/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 8/16/2005
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/4/2006
Response Action Outcome: Not reported

AT KENT STREET (Continued) **S105735662**

Action Type:	Immediate Response Action
Action Status:	RMRFIN
Action Date:	8/4/2006
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Permit Effective Date
Action Date:	8/6/2003
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	9/18/2003
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	9/20/2004
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	9/26/2005
Response Action Outcome:	Not reported

Chemicals:

Chemical:	C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity:	Not reported
Chemical:	MTBE
Quantity:	Not reported
Chemical:	GASOLINE
Quantity:	Not reported
Location Type:	COMMERCIAL
Location Type:	RESIDNTIAL
Source:	UNKNOWN

Q71 **GASOLINE STATION** **MA SHWS** **S101504923**
NW **185 MERRIMAC STREET** **MA LUST** **N/A**
1/2-1 **NEWBURYPORT, MA 01950** **MA RELEASE**
0.956 mi. **MA ENF**
5048 ft. **Site 3 of 4 in cluster Q** **MA UIC**

Relative: **Lower**
Actual: **16 ft.**

SHWS:

Name:	GASOLINE STATION
Address:	185 MERRIMAC STREET
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Facility ID:	3-0033956
Source Type:	TANK
Release Town:	NEWBURYPORT
Notification Date:	11/22/2016
Category:	72 HR
Associated ID:	Not reported
Current Status:	RAONR
Status Date:	01/19/2018
Phase:	Not reported
Response Action Outcome:	Not reported
Oil Or Haz Material:	Oil

GASOLINE STATION (Continued) **S101504923**

LUST:

Facility:

Name:	GULF GASOLINE STATION
Address:	185 MERRIMAC ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Current Status:	**NEWBURYPORT, MA 01950-0000**
Release Tracking Number/Current Status:	3-0001965 / TIERII
Status Date:	01/19/2018
Source Type:	UST
Release Town:	NEWBURYPORT
Notification Date:	01/15/1989
Category:	NONE
Associated ID:	3-0001965
Phase:	PHASE V
Response Action Outcome:	-
Oil Or Haz Material:	Not reported
Location Type:	GASSTATION
Source:	UST

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

Chemicals:

Chemical:	UNKNOWN
Quantity:	Not reported

Actions:

Action Type:	Phase 5
Action Status:	Remedy Operation Status Report Received
Action Date:	1/10/2008
Response Action Outcome:	Not reported
Action Type:	Phase 5
Action Status:	RMRINT
Action Date:	1/10/2008
Response Action Outcome:	Not reported
Action Type:	Phase 5
Action Status:	RMRINT
Action Date:	1/11/2007
Response Action Outcome:	Not reported
Action Type:	Phase 5
Action Status:	Remedy Operation Status Report Received
Action Date:	1/11/2007
Response Action Outcome:	Not reported
Action Type:	Phase 3
Action Status:	Revised Statement or Transmittal Received
Action Date:	1/13/2006
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Valid Transition Site

GASOLINE STATION (Continued) **S101504923**

Action Date: 1/15/1989
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/17/2001
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: EPETOP
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/22/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: LSP of Record Change via Minor Permit Mod
Action Date: 1/23/2009
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 1/24/2018
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 1/28/2009
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 1/28/2009
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: WAVSIG
Action Date: 1/29/1994
Response Action Outcome: Not reported

GASOLINE STATION (Continued) **S101504923**

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 1/3/2011
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 1/3/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/6/2003
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: WAVREC
Action Date: 10/1/1993
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 10/24/2005
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 10/8/2005
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 11/15/2010
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 11/17/2017
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 11/4/1999
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 11/9/2015
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 12/21/2000
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received

GASOLINE STATION (Continued) **S101504923**

Action Date: 12/21/2000
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 12/8/2014
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Revised Statement or Transmittal Received
Action Date: 2/14/2008
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 2/2/2001
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 2/2/2001
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/29/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/4/1994
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: WAVACC
Action Date: 2/4/1994
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: Status or Interim Report Received
Action Date: 3/21/2011
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRFIN
Action Date: 3/21/2011
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: Action Status or AUL Terminated
Action Date: 3/21/2011
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/23/2011
Response Action Outcome: Not reported

GASOLINE STATION (Continued) **S101504923**

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 3/4/2008
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 3/4/2008
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/13/2007
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 6/7/1999
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: Remedy Operation Status Submittal Received
Action Date: 7/10/2006
Response Action Outcome: Not reported

Action Type: Phase 4
Action Status: Completion Statement Received

GASOLINE STATION (Continued) **S101504923**

Action Date: 7/10/2006
Response Action Outcome: Not reported

Action Type: Phase 4
Action Status: Modified Revised or Updated Plan Received
Action Date: 7/10/2008
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 7/10/2008
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 7/10/2008
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 7/13/2007
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 7/13/2007
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 7/14/2009
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 7/14/2009
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/19/2007
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRAN
Action Date: 7/9/2007
Response Action Outcome: Not reported

Action Type: Phase 4
Action Status: Modified Revised or Updated Plan Received
Action Date: 8/13/2004
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 8/16/2005
Response Action Outcome: Not reported

GASOLINE STATION (Continued) **S101504923**

Action Type:	Phase 4
Action Status:	Written Plan Received
Action Date:	8/31/2001
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Permit Effective Date
Action Date:	8/6/2003
Response Action Outcome:	Not reported
Action Type:	Phase 2
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	9/14/2000
Response Action Outcome:	Not reported
Action Type:	Phase 3
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	9/14/2000
Response Action Outcome:	Not reported
Action Type:	BWS03
Action Status:	APPROV
Action Date:	Not reported
Response Action Outcome:	Not reported
Action Type:	BWS20
Action Status:	APPROV
Action Date:	Not reported
Response Action Outcome:	Not reported

Facility:

Name:	GASOLINE STATION
Address:	185 MERRIMAC STREET
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Current Status:	**NEWBURYPORT, MA 01950-0000**
Release Tracking Number/Current Status:	3-0033956 / RAONR
Status Date:	01/19/2018
Source Type:	UST
Release Town:	NEWBURYPORT
Notification Date:	11/22/2016
Category:	72 HR
Associated ID:	Not reported
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	UST
Source:	USTOTHER
Source:	TANK
Source:	USTPIPE

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

GASOLINE STATION (Continued) **S101504923**

Chemicals:
Chemical: GASOLINE
Quantity: 1004 parts per million

Actions:
Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 1/11/2017
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/11/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/17/2001
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: EPETOP
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/22/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: LSP of Record Change via Minor Permit Mod
Action Date: 1/23/2009
Response Action Outcome: Not reported

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

GASOLINE STATION (Continued) **S101504923**

Action Date: 1/24/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 1/25/2017
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 1/26/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/6/2003
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/9/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/3/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 10/4/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 10/8/2005
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 11/17/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 11/17/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 11/17/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 11/22/2016
Response Action Outcome: Not reported

GASOLINE STATION (Continued) **S101504923**

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 11/22/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/1/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 12/1/2016
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: 12/6/2016
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/29/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/4/1994
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement

GASOLINE STATION (Continued) **S101504923**

Action Date:	3/4/2008
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via Tier Classification Submittal
Action Date:	3/4/2008
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	7/29/2019
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	8/16/2005
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Permit Effective Date
Action Date:	8/6/2003
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	9/8/2017
Response Action Outcome:	Not reported

Facility:

Name:	GASOLINE STATION
Address:	185 MERRIMAC STREET
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Current Status:	**NEWBURYPORT, MA 01950-0000**
Release Tracking Number/Current Status:	3-0033956 / RAONR
Status Date:	01/19/2018
Source Type:	USTOTHER
Release Town:	NEWBURYPORT
Notification Date:	11/22/2016
Category:	72 HR
Associated ID:	Not reported
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	UST
Source:	USTOTHER
Source:	TANK
Source:	USTPIPE

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

Chemicals:

GASOLINE STATION (Continued) **S101504923**

Chemical: GASOLINE
Quantity: 1004 parts per million

Actions:

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 1/11/2017
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/11/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/17/2001
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: EPETOP
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/22/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: LSP of Record Change via Minor Permit Mod
Action Date: 1/23/2009
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 1/24/2017
Response Action Outcome: Not reported

GASOLINE STATION (Continued) **S101504923**

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 1/25/2017
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 1/26/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/6/2003
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/9/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/3/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 10/4/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 10/8/2005
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 11/17/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 11/17/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 11/17/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 11/22/2016
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E

GASOLINE STATION (Continued) **S101504923**

Action Date: 11/22/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/1/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 12/1/2016
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: 12/6/2016
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/29/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/4/1994
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 3/4/2008
Response Action Outcome: Not reported

GASOLINE STATION (Continued) **S101504923**

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 3/4/2008
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 7/29/2019
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 8/16/2005
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 8/6/2003
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 9/8/2017
Response Action Outcome: Not reported

Facility:
Name: GASOLINE STATION
Address: 185 MERRIMAC STREET
City,State,Zip: NEWBURYPORT, MA 01950-0000
Current Status: **NEWBURYPORT, MA 01950-0000**
Release Tracking Number/Current Status: 3-0033956 / RAONR
Status Date: 01/19/2018
Source Type: USTPIPE
Release Town: NEWBURYPORT
Notification Date: 11/22/2016
Category: 72 HR
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: UST
Source: USTOTHER
Source: TANK
Source: USTPIPE

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

Chemicals:
Chemical: GASOLINE
Quantity: 1004 parts per million

GASOLINE STATION (Continued) **S101504923**

Actions:

Action Type:	Immediate Response Action
Action Status:	Oral Approval of a Modified Plan
Action Date:	1/11/2017
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	1/11/2017
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Extension
Action Date:	1/17/2001
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via Tier Classification Submittal
Action Date:	1/19/2018
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Revised Statement or Transmittal Received
Action Date:	1/19/2018
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	1/19/2018
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	EPETOP
Action Date:	1/19/2018
Response Action Outcome:	Not reported
Action Type:	RAO Not Required
Action Status:	Linked to a Tier Classified Site
Action Date:	1/19/2018
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Extension
Action Date:	1/22/2002
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	LSP of Record Change via Minor Permit Mod
Action Date:	1/23/2009
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	1/24/2017
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action

GASOLINE STATION (Continued) **S101504923**

Action Status: Level I - Technical Screen Audit
Action Date: 1/25/2017
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 1/26/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/6/2003
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/9/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/3/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 10/4/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 10/8/2005
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 11/17/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 11/17/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 11/17/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 11/22/2016
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 11/22/2016

GASOLINE STATION (Continued) **S101504923**

Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/1/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 12/1/2016
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: 12/6/2016
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/29/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/4/1994
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 3/4/2008
Response Action Outcome: Not reported

GASOLINE STATION (Continued) **S101504923**

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 3/4/2008
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 7/29/2019
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 8/16/2005
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 8/6/2003
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 9/8/2017
Response Action Outcome: Not reported

Release:
Name: GULF GASOLINE STATION
Address: 185 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0001965 / TIERII
Primary ID: 3-0001965
Official City: NEWBURYPORT
Notification: 01/15/1989
Category: NONE
Status Date: 01/19/2018
Phase: PHASE V
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 1/10/2008
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 1/10/2008
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 1/11/2007

GASOLINE STATION (Continued) **S101504923**

Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 1/11/2007
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Revised Statement or Transmittal Received
Action Date: 1/13/2006
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1989
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/17/2001
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: EPETOP
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/22/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: LSP of Record Change via Minor Permit Mod
Action Date: 1/23/2009
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 1/24/2018
Response Action Outcome: Not reported

GASOLINE STATION (Continued) **S101504923**

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 1/28/2009
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 1/28/2009
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: WAVSIG
Action Date: 1/29/1994
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 1/3/2011
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 1/3/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/6/2003
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: WAVREC
Action Date: 10/1/1993
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 10/24/2005
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 10/8/2005
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 11/15/2010
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 11/17/2017
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Scope of Work Received

GASOLINE STATION (Continued) **S101504923**

Action Date: 11/4/1999
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 11/9/2015
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 12/21/2000
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 12/21/2000
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 12/8/2014
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Revised Statement or Transmittal Received
Action Date: 2/14/2008
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 2/2/2001
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 2/2/2001
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/29/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/4/1994
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: WAVACC
Action Date: 2/4/1994
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: Status or Interim Report Received
Action Date: 3/21/2011
Response Action Outcome: Not reported

GASOLINE STATION (Continued) **S101504923**

Action Type: Phase 5
Action Status: RMRFIN
Action Date: 3/21/2011
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: Action Status or AUL Terminated
Action Date: 3/21/2011
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/23/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 3/4/2008
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 3/4/2008
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF

GASOLINE STATION (Continued) **S101504923**

Action Date: 6/13/2007
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 6/7/1999
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: Remedy Operation Status Submittal Received
Action Date: 7/10/2006
Response Action Outcome: Not reported

Action Type: Phase 4
Action Status: Completion Statement Received
Action Date: 7/10/2006
Response Action Outcome: Not reported

Action Type: Phase 4
Action Status: Modified Revised or Updated Plan Received
Action Date: 7/10/2008
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 7/10/2008
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 7/10/2008
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 7/13/2007
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 7/13/2007
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: Remedy Operation Status Report Received
Action Date: 7/14/2009
Response Action Outcome: Not reported

Action Type: Phase 5
Action Status: RMRINT
Action Date: 7/14/2009
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/19/2007
Response Action Outcome: Not reported

GASOLINE STATION (Continued) **S101504923**

Action Type: RLFA
Action Status: FLDRAN
Action Date: 7/9/2007
Response Action Outcome: Not reported

Action Type: Phase 4
Action Status: Modified Revised or Updated Plan Received
Action Date: 8/13/2004
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 8/16/2005
Response Action Outcome: Not reported

Action Type: Phase 4
Action Status: Written Plan Received
Action Date: 8/31/2001
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 8/6/2003
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 9/14/2000
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 9/14/2000
Response Action Outcome: Not reported

Action Type: BWS03
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: Not reported

Action Type: BWS20
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: Not reported

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported
Location Type: GASSTATION
Source: UST

Name: GASOLINE STATION
Address: 185 MERRIMAC STREET
City,State,Zip: NEWBURYPORT, MA 01950-0000
Release Tracking Number/Current Status: 3-0033956 / RAONR
Primary ID: Not reported
Official City: NEWBURYPORT

GASOLINE STATION (Continued) **S101504923**

Notification: 11/22/2016
Category: 72 HR
Status Date: 01/19/2018
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 1/11/2017
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/11/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/17/2001
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: EPETOP
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 1/19/2018
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/22/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: LSP of Record Change via Minor Permit Mod

GASOLINE STATION (Continued) **S101504923**

Action Date: 1/23/2009
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 1/24/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 1/25/2017
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 1/26/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 1/6/2003
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/9/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/3/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 10/4/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 10/8/2005
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 11/17/2017
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 11/17/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 11/17/2017
Response Action Outcome: Not reported

GASOLINE STATION (Continued) **S101504923**

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 11/22/2016
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 11/22/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/1/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 12/1/2016
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: 12/6/2016
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 2/29/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/4/1994
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/25/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1C Classification
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

GASOLINE STATION (Continued) **S101504923**

Action Date: 3/25/2003
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 3/4/2008
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 3/4/2008
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 7/29/2019
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 8/16/2005
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 8/6/2003
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 9/8/2017
Response Action Outcome: Not reported

Chemicals:
Chemical: GASOLINE
Quantity: 1004 parts per million
Location Type: COMMERCIAL
Source: UST
Source: USTOTHER
Source: TANK
Source: USTPIPE

ENFORCEMENT:
Name: CALDWELLS CORNER LLC
Address: 185 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950-0000
Region: NERO
DEP Region: NERO
DEP Program: 3a
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0001965
High Or Low Level Enforcement: LLE
FMF #: 0
Comptroller Billing Name: Not reported
Town Where Violation Occurred: NEWBURYPORT

GASOLINE STATION (Continued) **S101504923**

Date Executed:	01/03/2011
ENF #:	Faux Enf- 0355
Document Type:	IDL
AG Ref (Y/N):	NO
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	NO
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

Name:	CK SMITH AND COMPANY
Address:	185 MERRIMAC ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Region:	NERO
DEP Region:	NERO
DEP Program:	3a
DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0001965
High Or Low Level Enforcement:	LLE
FMF #:	0
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	NEWBURYPORT
Date Executed:	11/15/2010
ENF #:	NON-NE-10-3A087
Document Type:	NON
AG Ref (Y/N):	NO
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	NO
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

Name:	CALDWELL'S CORNER LLC
Address:	185 MERRIMAC ST
City,State,Zip:	NEWBURYPORT, MA 01950-0000
Region:	NERO
DEP Region:	NERO
DEP Program:	3r
DEP Bureau:	BWSC
Program:	BWSC

GASOLINE STATION (Continued) **S101504923**

Program Id:	3-0001965
High Or Low Level Enforcement:	LLE
FMF #:	0
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	NEWBURYPORT
Date Executed:	12/08/2014
ENF #:	NON-NE-14-3R0093
Document Type:	NON
AG Ref (Y/N):	NO
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	NO
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

UIC:

RTN Number:	3-0001965
Name:	GULF GASOLINE STATION
Address:	185 MERRIMAC ST
City,State,Zip:	NEWBURYPORT, MA 019500000
Permit Date:	03/21/2011
Actor Name:	SALISBURY MINI MART INC D/B/A NEWBURYPORT ONE STOP
Air Sparging:	No
Injection Well:	Yes/Inactive
ReInjection Well:	No
UIC APL Type:	Not reported
Latitude:	42.80883
Well Status:	Not reported
Longitude:	-70.86733
UIC ID:	Not reported
EPA Code:	Not reported
Indicates Area:	Not reported
Number of Wells:	Not reported
Owner:	Not reported
Receive Date:	Not reported
Authorization to Install/Close Date:	Not reported
Confirmation of Install Receive:	Not reported
Post-Closure Receive:	Not reported
Final Approval Date:	Not reported
Permit Number:	Not reported
Permit Type:	Not reported
Permit Type Description:	Not reported
Program:	Not reported
Applicant Name:	Not reported
Decision Date:	Not reported
Operator Name:	Not reported
Well ID:	Not reported
Well Type Name:	Not reported
Max Well Depth:	Not reported

GASOLINE STATION (Continued) **S101504923**

Date Complete: Not reported
Work Performed: Not reported
Depth to Bedrock: Not reported
Water Level: Not reported

Q72 **KENT ST** **MA SHWS** **S105522192**
NW **200 TO 202 MERRIMAC ST** **MA RELEASE** **N/A**
1/2-1 **NEWBURYPORT, MA 01950**
0.974 mi.
5145 ft. **Site 4 of 4 in cluster Q**

Relative: **Lower**
Actual: **14 ft.**

SHWS:
Name: KENT ST
Address: 200 TO 202 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950-2212
Facility ID: 3-0021765
Source Type: Not reported
Release Town: NEWBURYPORT
Notification Date: 05/16/2002
Category: 120 DY
Associated ID: Not reported
Current Status: DPS
Status Date: 05/16/2002
Phase: Not reported
Response Action Outcome: Not reported
Oil Or Haz Material: Oil

Release:
Name: KENT ST
Address: 200 TO 202 MERRIMAC ST
City,State,Zip: NEWBURYPORT, MA 01950-2212
Release Tracking Number/Current Status: 3-0021765 / DPS
Primary ID: Not reported
Official City: NEWBURYPORT
Notification: 05/16/2002
Category: 120 DY
Status Date: 05/16/2002
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:
Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/13/2004
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/16/2002
Response Action Outcome: Not reported

Action Type: Downgradient Property Status
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/16/2002

KENT ST (Continued) **S105522192**

Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 5/16/2002
Response Action Outcome: Not reported

Chemicals:
Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 2000 parts per billion
Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Quantity: 6000 parts per billion

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73 **CAUSEWAY ENTERPRISES** **MA SHWS** **S100362129**
North **BRIDGE RD** **MA RELEASE** **N/A**
1/2-1 **SALISBURY, MA 01952**
0.982 mi.
5183 ft.

Relative:
Lower

Actual:
7 ft.

SHWS:
Name: CAUSEWAY ENTERPRISES
Address: BRIDGE RD
City,State,Zip: SALISBURY, MA 01952
Facility ID: 3-0000771
Source Type: Not reported
Release Town: SALISBURY
Notification Date: 10/15/1988
Category: NONE
Associated ID: Not reported
Current Status: RAO
Status Date: 12/14/1993
Phase: Not reported
Response Action Outcome: B1
Oil Or Haz Material: Not reported

Release:
Name: CAUSEWAY ENTERPRISES
Address: BRIDGE RD
City,State,Zip: SALISBURY, MA 01952
Release Tracking Number/Current Status: 3-0000771 / RAO
Primary ID: Not reported
Official City: SALISBURY
Notification: 10/15/1988
Category: NONE
Status Date: 12/14/1993
Phase: Not reported
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 10/15/1988

CAUSEWAY ENTERPRISES (Continued) **S100362129**

Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/14/1993
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: TREGS
Action Status: WAVREC
Action Date: 3/31/1989
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: TREGS
Action Status: WAVDN
Action Date: 3/31/1989
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Compliance and Enforcement Action
Action Status: RFI
Action Date: 5/20/1994
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: TREGS
Action Status: WAVSIG
Action Date: 7/26/1989
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: TREGS
Action Status: WAVACC
Action Date: 7/31/1989
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NAFVIO
Action Date: 9/12/1994
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

Count: 16 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NEWBURY	S104847567	NO LOCATION AID	GREEN ST	01951	MA SHWS, MA RELEASE
NEWBURY	S109489625	NO LOCATION AID	NEWBURYPORT TPKE	01951	MA SHWS, MA RELEASE
NEWBURYPORT	S118947459	FORMER W. E. ATKINSON CO. PROPERTY	45 & 47 WATER STREET	01950	MA SHWS, MA RELEASE
NEWBURYPORT	S108034347	FMR B&M RIGHT-OF-WAY	BETW WASHINGTON AND MERRIMAC	01950	MA SHWS, MA RELEASE
NEWBURYPORT	S108117271	FORMER BOSTON & MAINE RAILROAD LIN	BETW NEWBURYPT TPKE AND WATER	01950	MA SHWS, MA RELEASE
NEWBURYPORT	S110303467	HALL AND MOSCOW CORPORATION	COTTAGE CT AND HILLSIDE AVE	01950	MA SHWS, MA RELEASE, MA ENF
NEWBURYPORT	S117277520	NO LOCATION AID	HARRISON STREET	01950	MA SHWS, MA RELEASE
NEWBURYPORT	S126024538	WATERFRONT PARK,WEST LOT-PETROLEUM	MERRIMAC STREET	01950	MA SHWS, MA INST CONTROL, MA RELEASE
NEWBURYPORT	S114965544	WATERFRONT PARK,WEST LOT-PETROLEUM	MERRIMAC STREET	01950	MA SHWS, MA INST CONTROL, MA RELEASE
NEWBURYPORT	S116687196	FORMER RICHARD ALIGNMENT	92 REAR MERRIMAC STREET	01950	MA SHWS, MA RELEASE
NEWBURYPORT	S113411790	UTILITY POLE NO 40	STATE STREET		MA SHWS, MA RELEASE
NEWBURYPORT	S107517381	UTILITY POLE	TITCOMB ST		MA SHWS, MA RELEASE
NEWBURYPORT	1003862980	MERRIMAC RIVER (C5-0118)	UNDER ROUTE 1 OVERPASS	01950	SEMS-ARCHIVE
NEWBURYPORT	S103043466	DIESEL GENERATORS	WATER ST		MA SHWS, MA RELEASE
NEWBURYPORT	S101020052	MCCARTHY TRANSPORTATION	WATER ST	01950	MA SHWS, MA INST CONTROL, MA RELEASE, MA SPILLS, MA ENF
SALISBURY	S126024681	ROADWAY AT 157 BRIDGE ROAD	BRIDGE ROAD	01952	MA SHWS, MA RELEASE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 04/12/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 04/12/2021
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: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 01/25/2021
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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

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: 08/06/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/11/2020
Number of Days to Update: 82

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 02/22/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/14/2020
Date Data Arrived at EDR: 12/15/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 7

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

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: 06/24/2020
Date Data Arrived at EDR: 06/25/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 1

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Quarterly

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

SWF/LF: Solid Waste Facility Database/Transfer Stations

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/14/2020
Date Data Arrived at EDR: 04/03/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 76

Source: Department of Environmental Protection
Telephone: 617-292-5989
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Annually

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: 07/01/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 12/14/2015
Number of Days to Update: 48

Source: Department of Environmental Protection
Telephone: 617-292-5868
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

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: 06/24/2020
Date Data Arrived at EDR: 06/25/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 1

Source: Department of Environmental Protection
Telephone: 617-292-5500
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 01/18/2021
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: 06/24/2020
Date Data Arrived at EDR: 06/25/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 1
Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/15/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

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: 07/21/2020
Date Data Arrived at EDR: 09/03/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 83
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
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: 09/30/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/31/2020
Number of Days to Update: 83
Source: Department of Fire Services, Office of the Public Safety
Telephone: 617-556-1035
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Database
Registered Aboveground Storage Tanks.

Date of Government Version: 09/24/2020
Date Data Arrived at EDR: 10/13/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 83
Source: Department of Public Safety
Telephone: 617-556-1035
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: No Update Planned

AST 2: Aboveground Storage Tanks
Aboveground storage tanks

Date of Government Version: 10/08/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/31/2020
Number of Days to Update: 83
Source: Department of Fire Services
Telephone: 978-567-3181
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

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: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

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: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/03/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Sites With Activity and Use Limitation

Activity and Use Limitations establish limits and conditions on the future use of contaminated property, and therefore allow cleanups to be tailored to these uses.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 06/25/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 1

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 01/18/2021
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: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
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: 12/31/2018
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 09/25/2019
Number of Days to Update: 56

Source: Department of Environmental Protection
Telephone: 617-556-1007
Last EDR Contact: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
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: 04/05/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 10/10/2017
Number of Days to Update: 68

Source: Office of the Attorney General
Telephone: 617-963-2423
Last EDR Contact: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
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: 09/14/2020
Date Data Arrived at EDR: 09/15/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/29/2021
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: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
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: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
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: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contaminated Sites Listing
Detection of Per- and Polyfluoroalkyl Substances (PFAS) in drinking water.

Date of Government Version: 09/28/2020
Date Data Arrived at EDR: 09/29/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 76
Source: Department of Environmental Protection
Telephone: 617-292-6770
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

Local Land Records

LIENS: Liens Information Listing
A listing of environmental liens.

Date of Government Version: 03/07/2018
Date Data Arrived at EDR: 03/09/2018
Date Made Active in Reports: 06/21/2018
Number of Days to Update: 104
Source: Department of Environmental Protection
Telephone: 617-292-5628
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Semi-Annually

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: 09/20/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

RELEASE: Reportable Releases
Contains information on all releases of oil and hazardous materials that have been reported to DEP

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 06/25/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 1

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Quarterly

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

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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

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: 08/05/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 69

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/17/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 01/25/2021
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: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/08/2020
Next Scheduled EDR Contact: 01/18/2021
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: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/09/2020
Next Scheduled EDR Contact: 02/22/2021
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: 09/21/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
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: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
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: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/06/2020
Next Scheduled EDR Contact: 02/15/2021
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: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
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: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/17/2020
Next Scheduled EDR Contact: 03/01/2021
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: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 03/15/2021
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: 07/24/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 02/15/2021
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: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
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: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 08/05/2020
Date Data Arrived at EDR: 08/10/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 59

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/12/2020
Next Scheduled EDR Contact: 01/31/2021
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: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
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: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/30/2020
Next Scheduled EDR Contact: 03/15/2021
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: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/06/2021
Next Scheduled EDR Contact: 02/15/2021
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: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/24/2020
Next Scheduled EDR Contact: 01/11/2021
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: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/27/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/30/2020
Date Data Arrived at EDR: 10/08/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 88

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
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: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/05/2021
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: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/06/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

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: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/20/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 04/12/2021
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: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 09/10/2020
Date Data Arrived at EDR: 09/15/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 66

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 11/24/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

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: 08/04/2020
Date Data Arrived at EDR: 08/25/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/08/2021
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: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
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: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/16/2020
Date Data Arrived at EDR: 09/17/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/10/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/04/2020
Date Data Arrived at EDR: 09/15/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 66

Source: EPA
Telephone: (617) 918-1111
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/17/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/08/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 10/03/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/06/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/17/2020
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 65

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/13/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Quarterly

AIRS: Permitted Facilities Listing

A listing of Air Quality permit applications.

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/31/2020
Number of Days to Update: 83

Source: Department of Environmental Protection
Telephone: 617-292-5789
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 08/14/2020
Date Data Arrived at EDR: 08/19/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 82

Source: Department of Environmental Protection
Telephone: 617-292-5982
Last EDR Contact: 11/30/2020
Next Scheduled EDR Contact: 03/01/2021
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: 09/29/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/31/2020
Number of Days to Update: 83

Source: Department of Environmental Protection
Telephone: 617-292-5633
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
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: 07/21/2020
Date Data Arrived at EDR: 07/22/2020
Date Made Active in Reports: 10/05/2020
Number of Days to Update: 75

Source: Department of Environmental Quality
Telephone: 617-292-5979
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/01/2010
Date Data Arrived at EDR: 12/23/2010
Date Made Active in Reports: 02/03/2011
Number of Days to Update: 42

Source: Department of Environmental Protection
Telephone: 617-292-5970
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 03/22/2021
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: 09/30/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/31/2020
Number of Days to Update: 83

Source: Office of State Fire Marshal
Telephone: 978-567-3100
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information listing

Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 59

Source: Department of Environmental Protection
Telephone: 617-292-5970
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
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: 04/01/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/14/2020
Number of Days to Update: 77

Source: MassGIS
Telephone: 617-556-1150
Last EDR Contact: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
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: 09/18/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/11/2020
Number of Days to Update: 80

Source: Department of Environmental Protection
Telephone: 617-292-5500
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Semi-Annually

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: 05/07/2018
Date Data Arrived at EDR: 05/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 31

Source: Department of Environmental Protection
Telephone: 617-292-5632
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
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: 01/07/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 04/21/2020
Number of Days to Update: 70
Source: Department of Environmental Protection
Telephone: 508-767-2781
Last EDR Contact: 11/13/2020
Next Scheduled EDR Contact: 02/22/2021
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: 12/31/2018
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 82
Source: Massachusetts Emergency Management Agency
Telephone: 508-820-2019
Last EDR Contact: 11/20/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Annually

TSD: TSD Facility
List of Licensed Hazardous Waste Treatment, Storage Disposal Facilities (TSDFs) in Massachusetts.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/23/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 82
Source: Department of Environmental Protection
Telephone: 617-292-5580
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

UIC: Underground Injection Control Listing
A list of UIC registration data and their locations

Date of Government Version: 08/05/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 82
Source: Department of Environmental Protection
Telephone: 617-566-1172
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

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

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55
Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
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 Hist Auto: EDR Exclusive Historical Auto 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 Hist Cleaner: EDR Exclusive Historical 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
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 13

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/09/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/09/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 10/08/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/03/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
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 Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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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 was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

BROWN SCHOOL
42 MILK STREET
NEWBURYPORT, MA 01950

TARGET PROPERTY COORDINATES

Latitude (North):	42.805934 - 42° 48' 21.36''
Longitude (West):	70.864605 - 70° 51' 52.58''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	347535.3
UTM Y (Meters):	4740736.0
Elevation:	35 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5644858 NEWBURYPORT EAST, MA
Version Date:	2012
West Map:	5644860 NEWBURYPORT WEST, 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 principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

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).

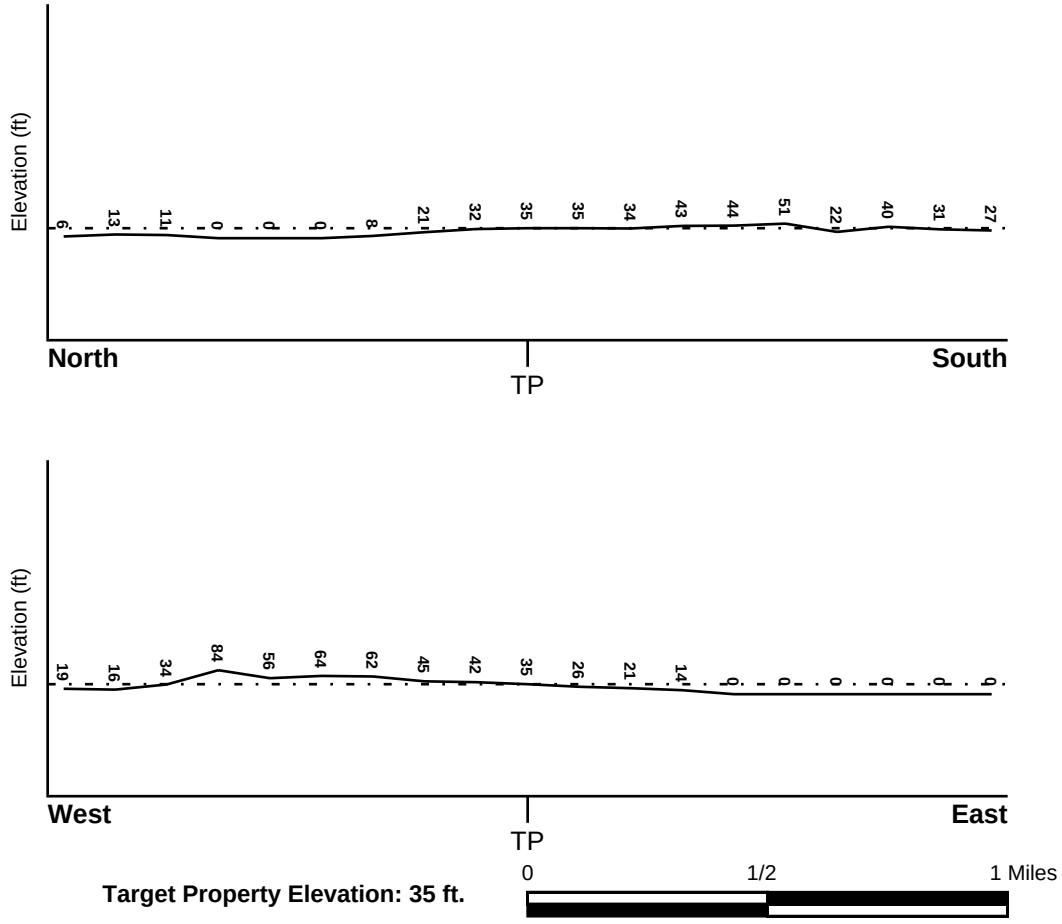
TOPOGRAPHIC INFORMATION

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 ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 35 ft.

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

Flood Plain Panel at Target Property	FEMA Source Type
25009C0136G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
25009C0109F	FEMA FIRM Flood data
25009C0128F	FEMA FIRM Flood data
25009C0117G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NEWBURYPORT EAST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

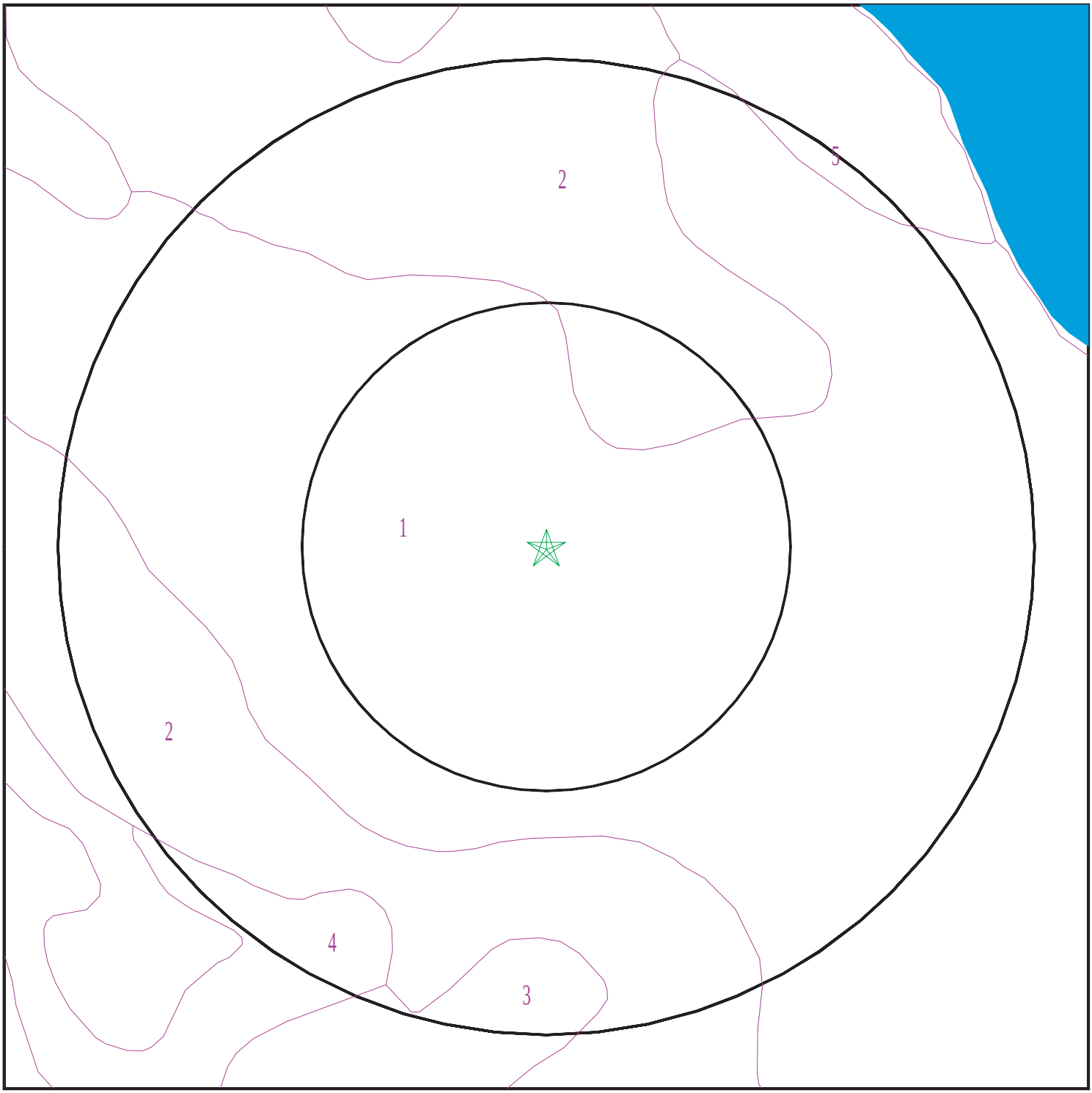
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6324032.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Brown School	CLIENT:	Credere Associates
ADDRESS:	42 Milk Street Newburyport MA 01950	CONTACT:	Moira Wentworth
LAT/LONG:	42.805934 / 70.864605	INQUIRY #:	6324032.2s
		DATE:	January 07, 2021 4:43 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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: Merrimac

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially 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 conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6
2	18 inches	25 inches	sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6
3	25 inches	59 inches	stratified sand to gravelly sand	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6

Soil Map ID: 2

Soil Component Name: Merrimac

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially 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 conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6
2	18 inches	25 inches	sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6
3	25 inches	59 inches	stratified gravelly sand	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6

Soil Map ID: 3

Soil Component Name: Pits

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class:
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: Merrimac

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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 conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6
2	18 inches	25 inches	sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6
3	25 inches	59 inches	stratified gravelly sand	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6

Soil Map ID: 5

Soil Component Name: Urban land

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class:
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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	USGS40000480721	1/4 - 1/2 Mile SE
3	USGS40000480733	1/4 - 1/2 Mile ESE
4	USGS40000480706	1/2 - 1 Mile SSE
6	USGS40000480844	1/2 - 1 Mile North
7	USGS40000480815	1/2 - 1 Mile WNW
A8	USGS40000480828	1/2 - 1 Mile NW
9	USGS40000480837	1/2 - 1 Mile NW
10	USGS40000480842	1/2 - 1 Mile NNW
11	USGS40000480686	1/2 - 1 Mile SE
12	USGS40000480663	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A5	MA3205001	1/2 - 1 Mile NW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	MA9000000005965	1/4 - 1/2 Mile West

OTHER STATE DATABASE INFORMATION

PHYSICAL SETTING SOURCE MAP - 6324032.2s

- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location

- Potentially Productive Aquifers
- Not Potentially Productive Aquifers
- DEP Approved Zone IIs
- EPA Designated Sole Src. Aq.

SITE NAME:	Brown School	CLIENT:	Credere Associates
ADDRESS:	42 Milk Street Newburyport MA 01950	CONTACT:	Moira Wentworth
		INQUIRY #:	6324032.2s
LAT/LONG:	42.805934 / 70.864605	DATE:	January 07, 2021 4:43 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SE **FED USGS** **USGS40000480721**
1/4 - 1/2 Mile
Higher

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-NJA 1	Type:	Well
Description:	Not Reported	HUC:	01090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1963
Well Depth:	102	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1964-10-01
Feet below surface:	24.00	Feet to sea level:	Not Reported
Note:	Not Reported		

2
West **MA WELLS** **MA9000000005965**
1/4 - 1/2 Mile
Higher

PWS ID:	Not Reported	Site Name:	Not Reported
Type:	Not Reported	Facility Name:	CVS 1132
SubBasin:	PARKER		

Basemap:	DOQ	Accuracy Estimate (ft):	100
Feature Type:	CB	Location Method:	PHO
Primary Location Source:	AP_DOQ	Secondary Location Source:	DD_PAR
Tertiary Location Source:	Not Reported	UST ID:	0
Date Mapped:	01-FEB-14		

3
ESE **FED USGS** **USGS40000480733**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-NJA 3	Type:	Well
Description:	Not Reported	HUC:	01090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1963
Well Depth:	12	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1963-08-01
Feet below surface:	Not Reported	Feet to sea level:	Not Reported
Note:	The site was dry (no water level recorded).		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

4
SSE
1/2 - 1 Mile
Lower

FED USGS **USGS40000480706**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-NIA 3	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1963
Well Depth:	83	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1963-10-01
Feet below surface:	3.00	Feet to sea level:	Not Reported
Note:	Not Reported		

A5
NW
1/2 - 1 Mile
Lower

FRDS PWS **MA3205001**

Epa region:	01	State:	MA
Pwsid:	MA3205001	Pwsname:	BYFIELD WATER DISTRICT
Cityserved:	Not Reported	Stateserved:	MA
Zipserved:	Not Reported	Fipscounty:	25009
Status:	Active	Retpopsrvd:	2718
Pwssvcconn:	852	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Local_Govt
Contact:	PAUL F COLBY	Contactorgname:	BYFIELD WATER DISTRICT
Contactphone:	9784623023	Contactaddress1:	P.O. BOX 64
Contactaddress2:	Not Reported	Contactcity:	BYFIELD
Contactstate:	MA	Contactzip:	01922
Pwsactivitycode:	A		

Pwsid:	MA3205001	Facid:	10
Facname:	LARKIN ST. GP WELL# 1 WTP	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

Pwsid:	MA3205001	Facid:	11
Facname:	12’ ROCK WELL # 2 WTP	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

Pwsid:	MA3205001	Facid:	12
Facname:	FOREST ST WELL	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

PWS ID:	MA3205001	PWS name:	BYFIELD WATER DISTRICT
Address:	Not Reported	Care of:	35 LARKIN RD
City:	BYFIELD	State:	MA
Zip:	019220000	Owner:	BYFIELD WATER DISTRICT
Source code:	Ground water	Population:	2875

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS ID:	MA3205001	PWS type:	Mailing
PWS name:	BYFIELD WATER DISTRICT	PWS address:	PO BOX 64
PWS city:	BYFIELD	PWS state:	MA
PWS zip:	019220000	County:	ESSEX
Source:	Ground water	Treatment Objective:	DISINFECTION
Process:	HYPOCHLORINATION, POST	Population:	2875

County:	ESSEX	Source:	Ground water
Treatment Objective:	DISINFECTION	Process:	HYPOCHLORINATION, PRE
Population:	2875		

PWS ID:	MA3205001	Activity status:	Active
Date system activated:	9003	Date system deactivated:	Not Reported
Retail population:	00003000	System name:	BYFIELD WATER DISTRICT
System address:	35 LARKIN RD	System city:	BYFIELD
System state:	MA	System zip:	019220000

Population served:	2,501 - 3,300 Persons	Treatment:	Treated

Latitude:	424842	Longitude:	0705230

Violation id:	1	Orig code:	S
State:	MA	Violation Year:	2014
Contamination code:	4000	Contamination Name:	Gross Alpha, Excl. Radon and U
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	340	Rule name:	Rads
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2014
Cmp edt:	03/31/2014		

Violation id:	2	Orig code:	S
State:	MA	Violation Year:	2014
Contamination code:	1005	Contamination Name:	Arsenic
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	332	Rule name:	Arsenic
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2014
Cmp edt:	03/31/2014		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9320002	Violation source ID:	Not Reported
PWS telephone:	6174623023	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Major (TCR)		
Violation start date:	010193	Violation end date:	013193
Violation period (months):	001	Violation awareness date:	Not Reported
Major violator:	Yes	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

Violation ID:	1	Orig Code:	S
Enforcemnt FY:	2014	Enforcement Action:	05/14/2014
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

Violation ID:	2	Orig Code:	S
Enforcemnt FY:	2014	Enforcement Action:	05/14/2014
Enforcement Detail:	St AO (w/o penalty) issued		
Enforcement Category:	Formal		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

6
North
1/2 - 1 Mile
Lower

FED USGS **USGS40000480844**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-SBW 27	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1935
Well Depth:	32	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1963-07-01
Feet below surface:	11.00	Feet to sea level:	Not Reported
Note:	Not Reported		

7
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000480815**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-NJB 9	Type:	Well
Description:	Not Reported	HUC:	01090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	35	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

A8
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40000480828**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-NJB 7	Type:	Well
Description:	Not Reported	HUC:	01090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1934
Well Depth:	29	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

9
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40000480837**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-NJW 38	Type:	Well
Description:	Not Reported	HUC:	01090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1974
Well Depth:	42	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1974-04-01
Feet below surface:	8.00	Feet to sea level:	Not Reported
Note:	Not Reported		

10
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000480842**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-NJB 6	Type:	Well
Description:	Not Reported	HUC:	01090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1946
Well Depth:	45	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

11
SE
1/2 - 1 Mile
Higher

FED USGS **USGS40000480686**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-NIW 4	Type:	Well
Description:	Not Reported	HUC:	01090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1972
Well Depth:	7	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

12
SSE
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000480663**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-NIA 6	Type:	Well
Description:	Not Reported	HUC:	01090001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1959
Well Depth:	15	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

MA_ACECS_ID 3

MA_ACECS_ID 3

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: MA Radon

Radon Test Results

County	% of sites>4 pCi/L	Median
ESSEX	36	2.8

Federal EPA Radon Zone for ESSEX County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 01950

Number of sites tested: 7

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.871 pCi/L	57%	43%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 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 was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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 Service (NRCS)
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 Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, 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
Telephone:

Public Water Supply Database

Telephone:
The Public Water Supply datalayer contains the locations of public community surface and groundwater supply sources and public non-community supply sources as defined in 310 CMR 22.00.

Areas of Critical Environmental Concern

Telephone:
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

Telephone:
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 an EPA hydrogeologist.

Aquifers

Telephone:
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

Telephone:
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.

Telephone:

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER STATE DATABASE INFORMATION

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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Brown School
42 Milk Street
Newburyport, MA 01950

Inquiry Number: 6324032.4
January 07, 2021

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

01/07/21

Site Name:

Brown School
42 Milk Street
Newburyport, MA 01950
EDR Inquiry # 6324032.4

Client Name:

Credere Associates
776 Main Street
Westbrook, ME 04102
Contact: Moira Wentworth

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Credere Associates 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:

P.O.# 16001377
Project: Brown School

Coordinates:

Latitude:	42.805934 42° 48' 21" North
Longitude:	-70.864605 -70° 51' 53" West
UTM Zone:	Zone 19 North
UTM X Meters:	347539.58
UTM Y Meters:	4740950.52
Elevation:	35.00' above sea level

Maps Provided:

2012
1987
1985
1979
1966, 1968
1952
1947
1944, 1945
1943
1934
1932
1894
1890

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

Newburyport East
2012
7.5-minute, 24000

Newburyport West
2012
7.5-minute, 24000

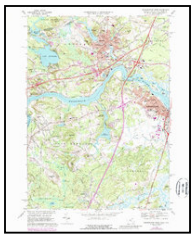
1987 Source Sheets

Newburyport
1987
7.5-minute, 25000
Aerial Photo Revised 1978

1985 Source Sheets

Newburyport
1985
7.5-minute, 25000
Aerial Photo Revised 1978

1979 Source Sheets



Newburyport West
1979
7.5-minute, 24000
Aerial Photo Revised 1977

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1966, 1968 Source Sheets

Newburyport East
1966
7.5-minute, 24000

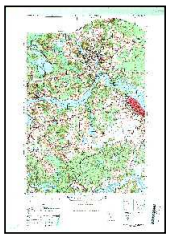
Newburyport West
1968
7.5-minute, 24000
Aerial Photo Revised 1966

1952 Source Sheets

Newburyport West
1952
7.5-minute, 24000

Newburyport East
1952
7.5-minute, 24000

1947 Source Sheets



NEWBURYPORT WEST
1947
7.5-minute, 25000

1944, 1945 Source Sheets

Newburyport West
1944
7.5-minute, 31680

Newburyport East
1945
7.5-minute, 31680

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1943 Source Sheets

Cape Ann
1943
30-minute, 125000

1934 Source Sheets

Exeter
1934
15-minute, 62500

Newburyport
1934
15-minute, 62500

1932 Source Sheets

Newburyport
1932
15-minute, 48000

1894 Source Sheets

Newburyport
1894
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1890 Source Sheets

Newburyport
1890
15-minute, 62500

Historical Topo Map

2012

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

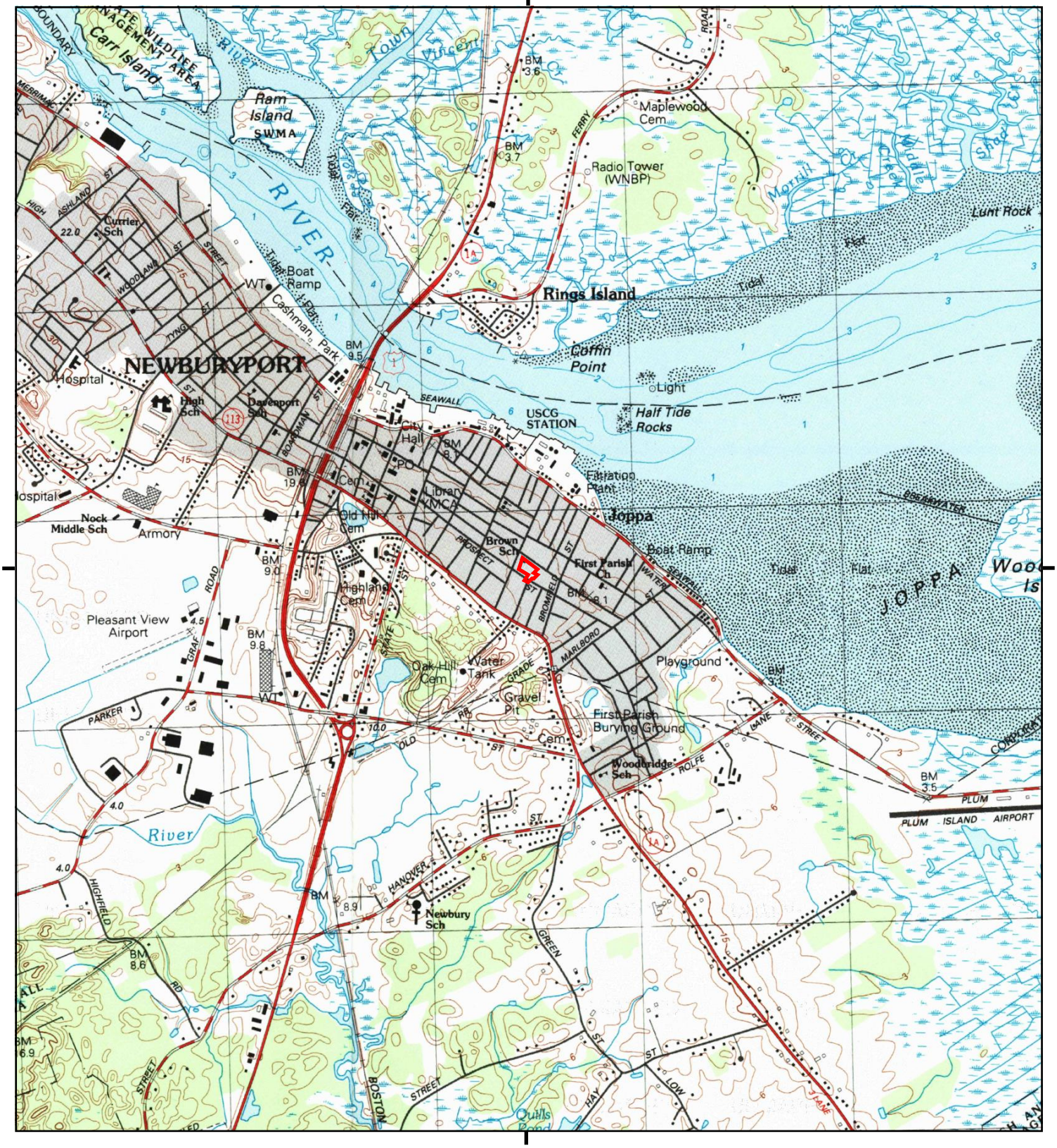
TP, Newburyport East, 2012, 7.5-minute
W, Newburyport West, 2012, 7.5-minute

SITE NAME: Brown School
ADDRESS: 42 Milk Street
Newburyport, MA 01950
CLIENT: Credere Associates

N

Historical Topo Map

1987



This report includes information from the following map sheet(s).

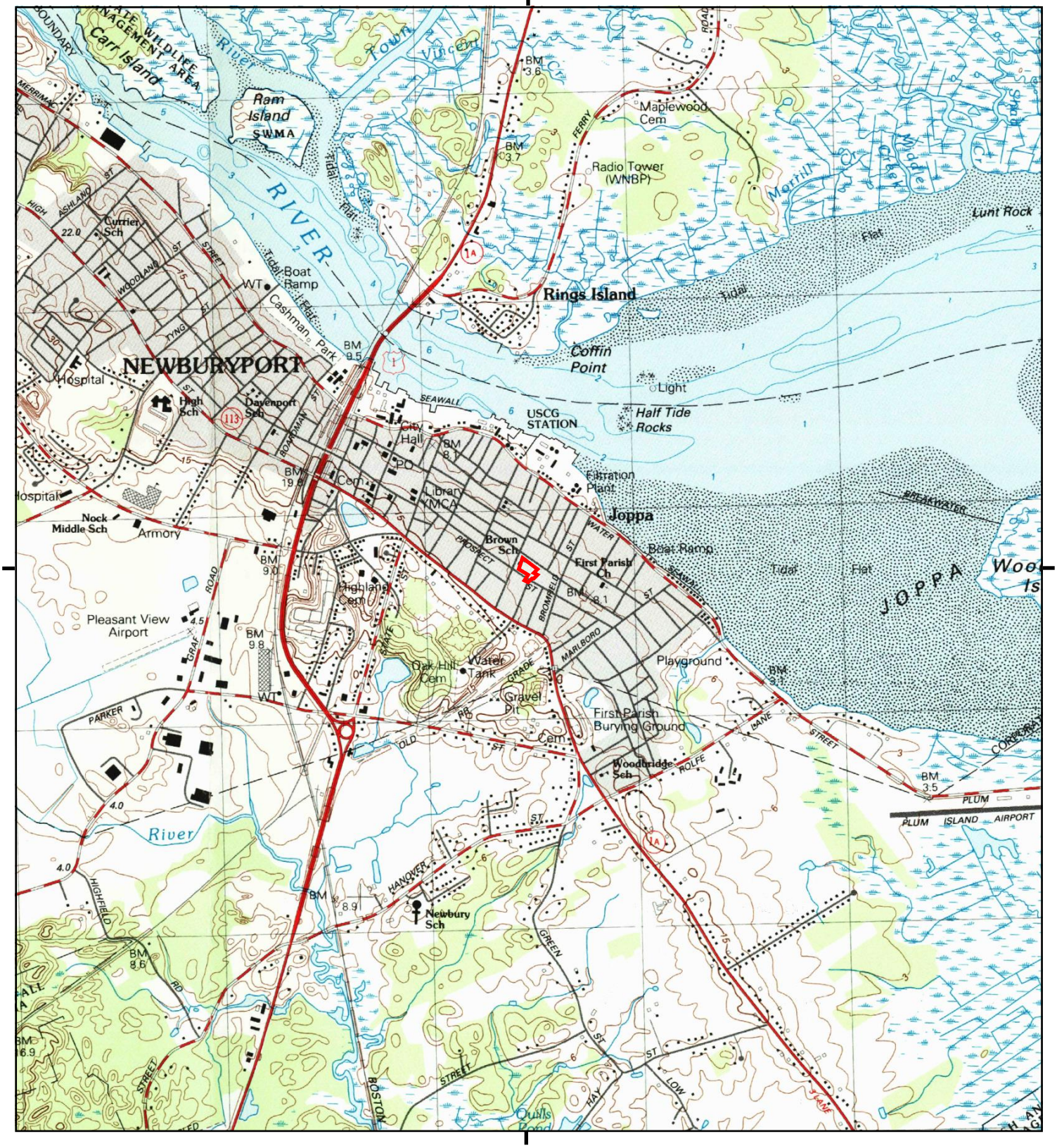
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newburyport, 1987, 7.5-minute

SITE NAME: Brown School
ADDRESS: 42 Milk Street
Newburyport, MA 01950
CLIENT: Credere Associates

N



This report includes information from the following map sheet(s).

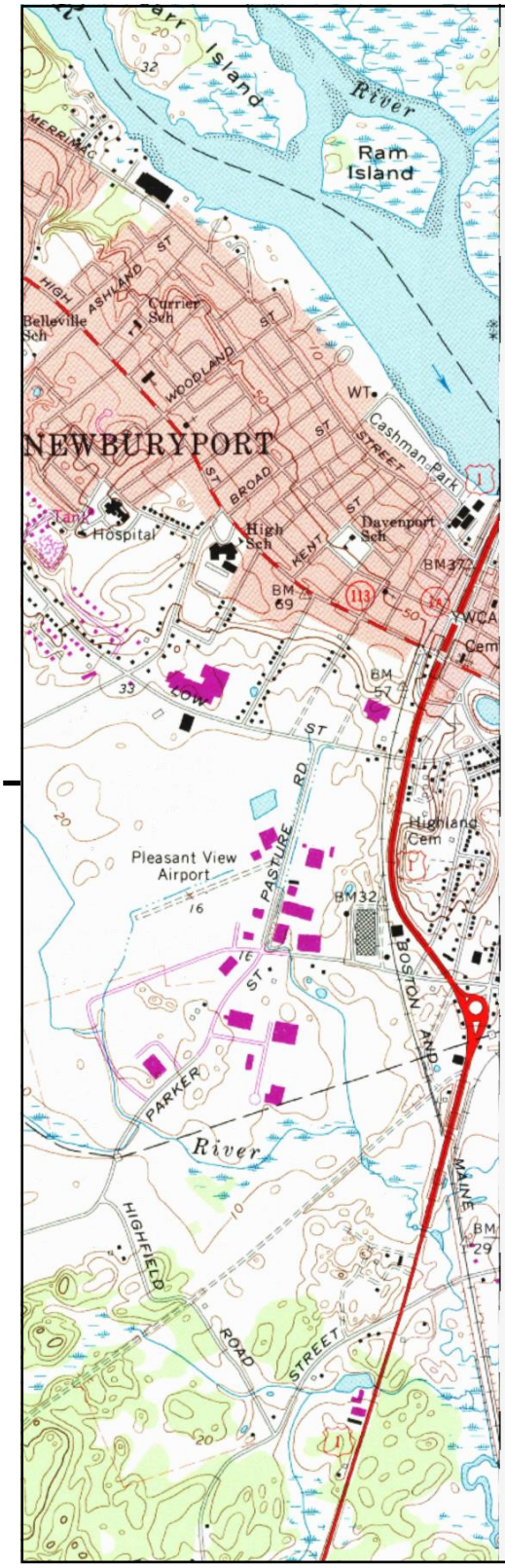
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newburyport, 1985, 7.5-minute

SITE NAME: Brown School
ADDRESS: 42 Milk Street
Newburyport, MA 01950
CLIENT: Credere Associates

N



UNMAPPED

This report includes information from the following map sheet(s).

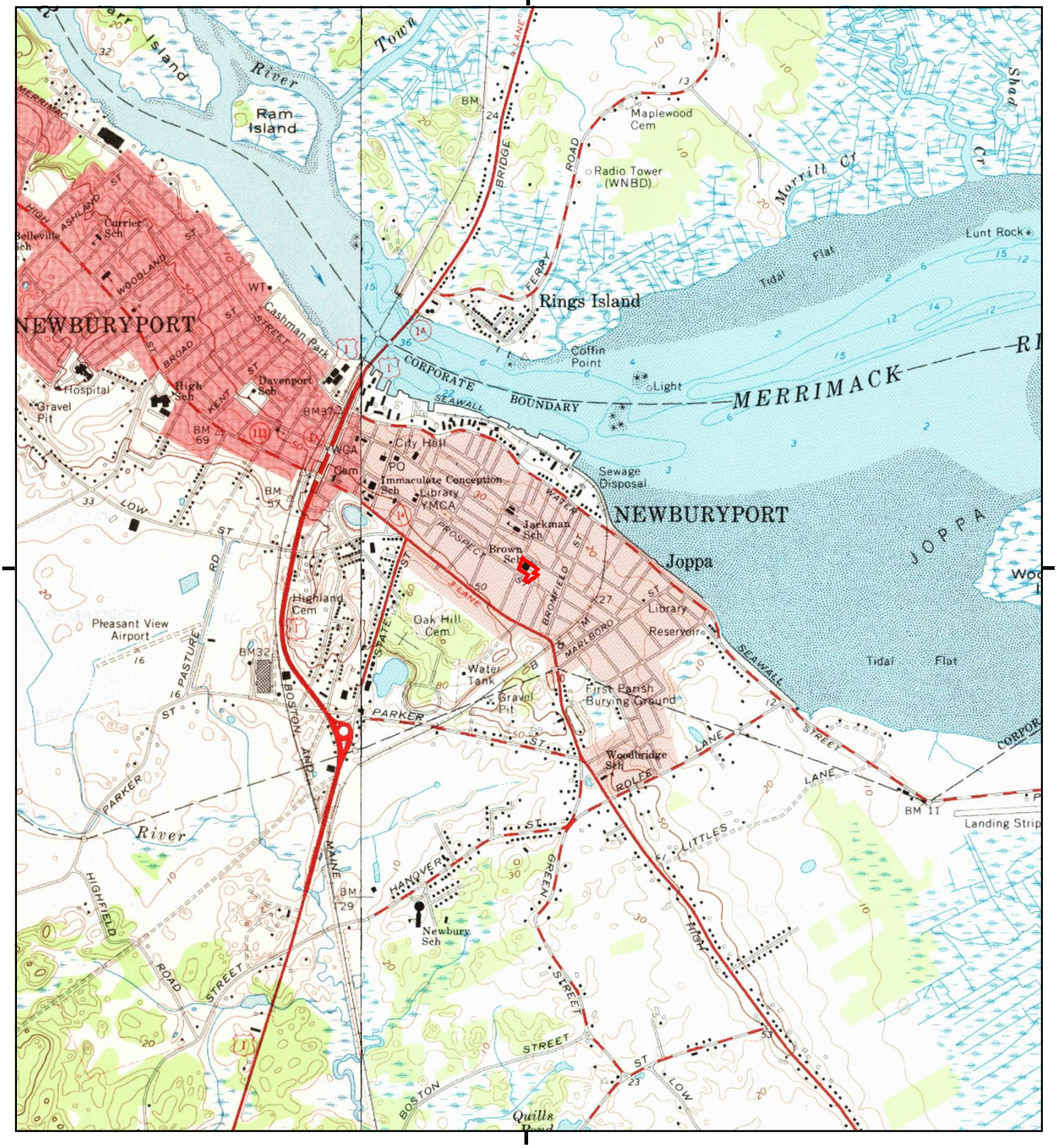
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

W, Newburyport West, 1979, 7.5-minute

SITE NAME: Brown School
ADDRESS: 42 Milk Street
Newburyport, MA 01950
CLIENT: Credere Associates

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

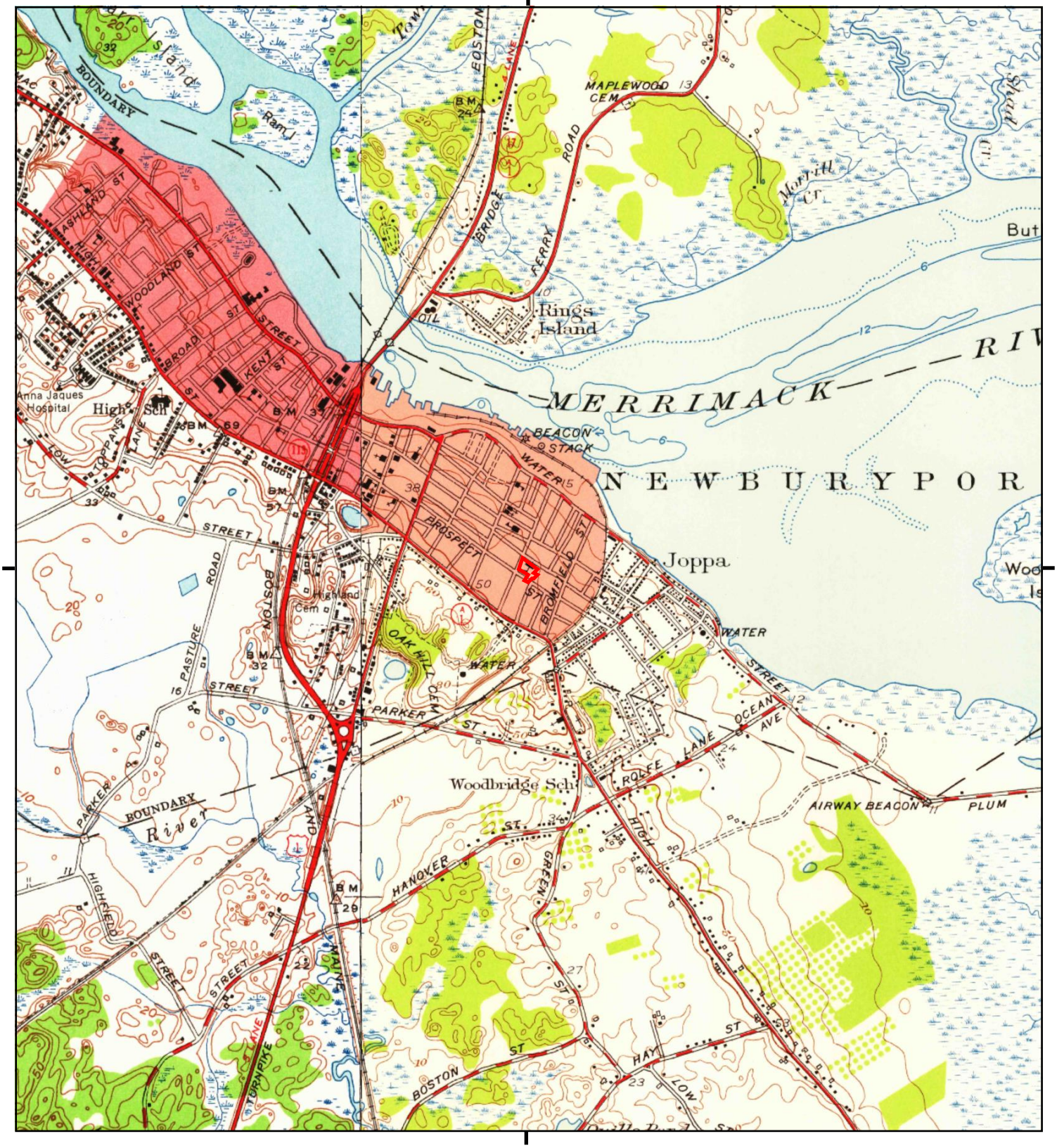
TP, Newburyport East, 1966, 7.5-minute
W, Newburyport West, 1968, 7.5-minute

SITE NAME: Brown School
ADDRESS: 42 Milk Street
Newburyport, MA 01950
CLIENT: Credere Associates

N

Historical Topo Map

1952



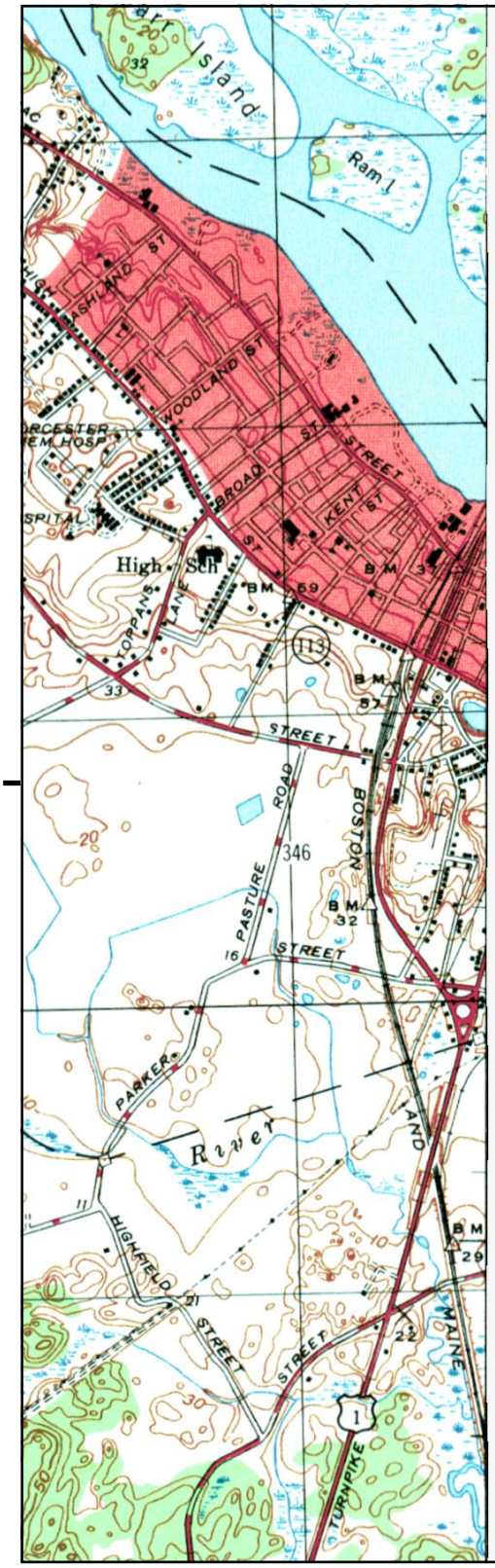
This report includes information from the following map sheet(s).

NW N NE
W E
SW S SE

TP, Newburyport East, 1952, 7.5-minute
W, Newburyport West, 1952, 7.5-minute

SITE NAME: Brown School
ADDRESS: 42 Milk Street
Newburyport, MA 01950
CLIENT: Credere Associates

N



UNMAPPED

This report includes information from the following map sheet(s).

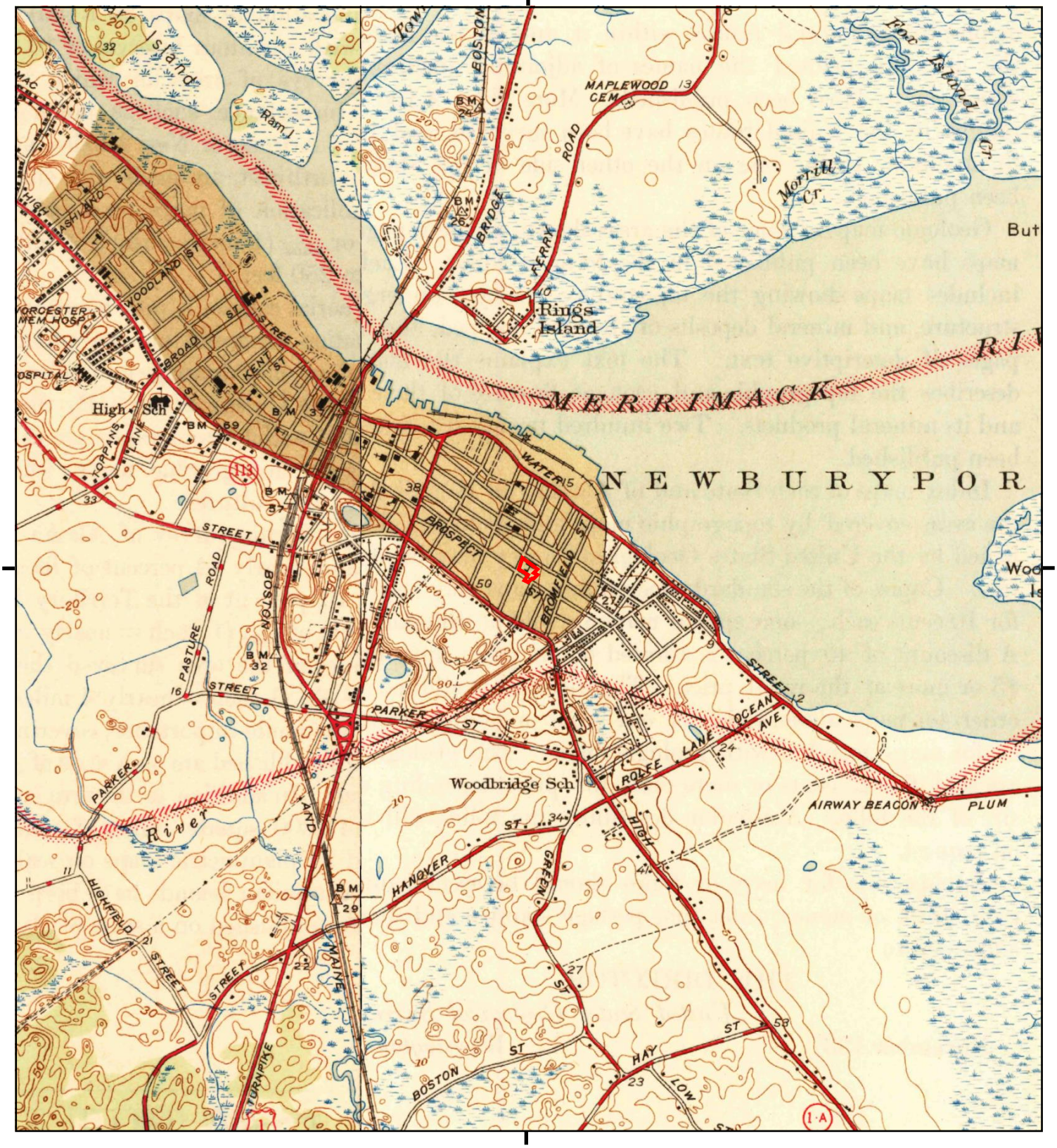
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

W, NEWBURYPORT WEST, 1947, 7.5-minute

SITE NAME: Brown School
ADDRESS: 42 Milk Street
Newburyport, MA 01950
CLIENT: Credere Associates

N



This report includes information from the following map sheet(s).

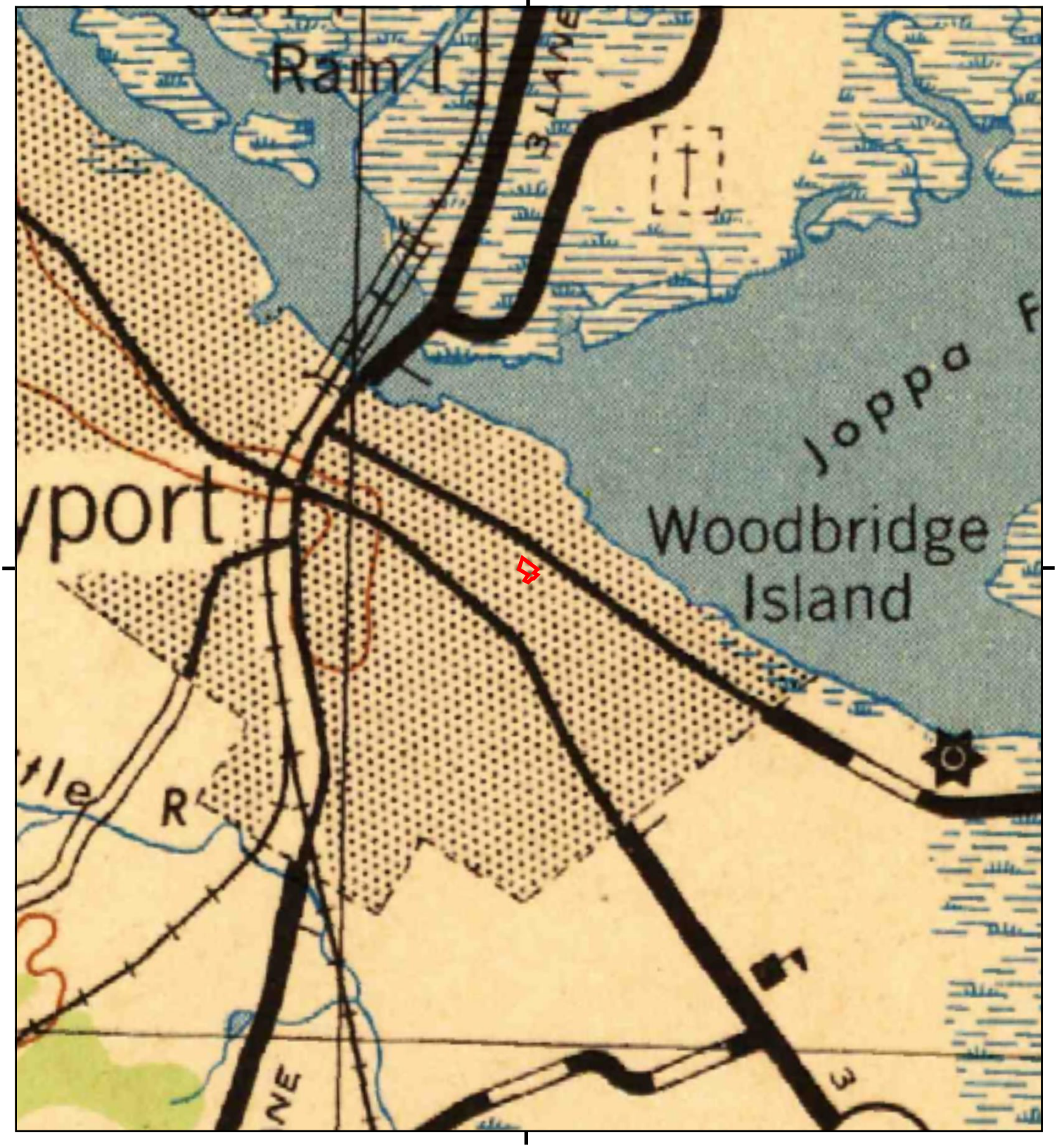
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newburyport East, 1945, 7.5-minute
W, Newburyport West, 1944, 7.5-minute

SITE NAME: Brown School
ADDRESS: 42 Milk Street
Newburyport, MA 01950
CLIENT: Credere Associates

N



This report includes information from the following map sheet(s).

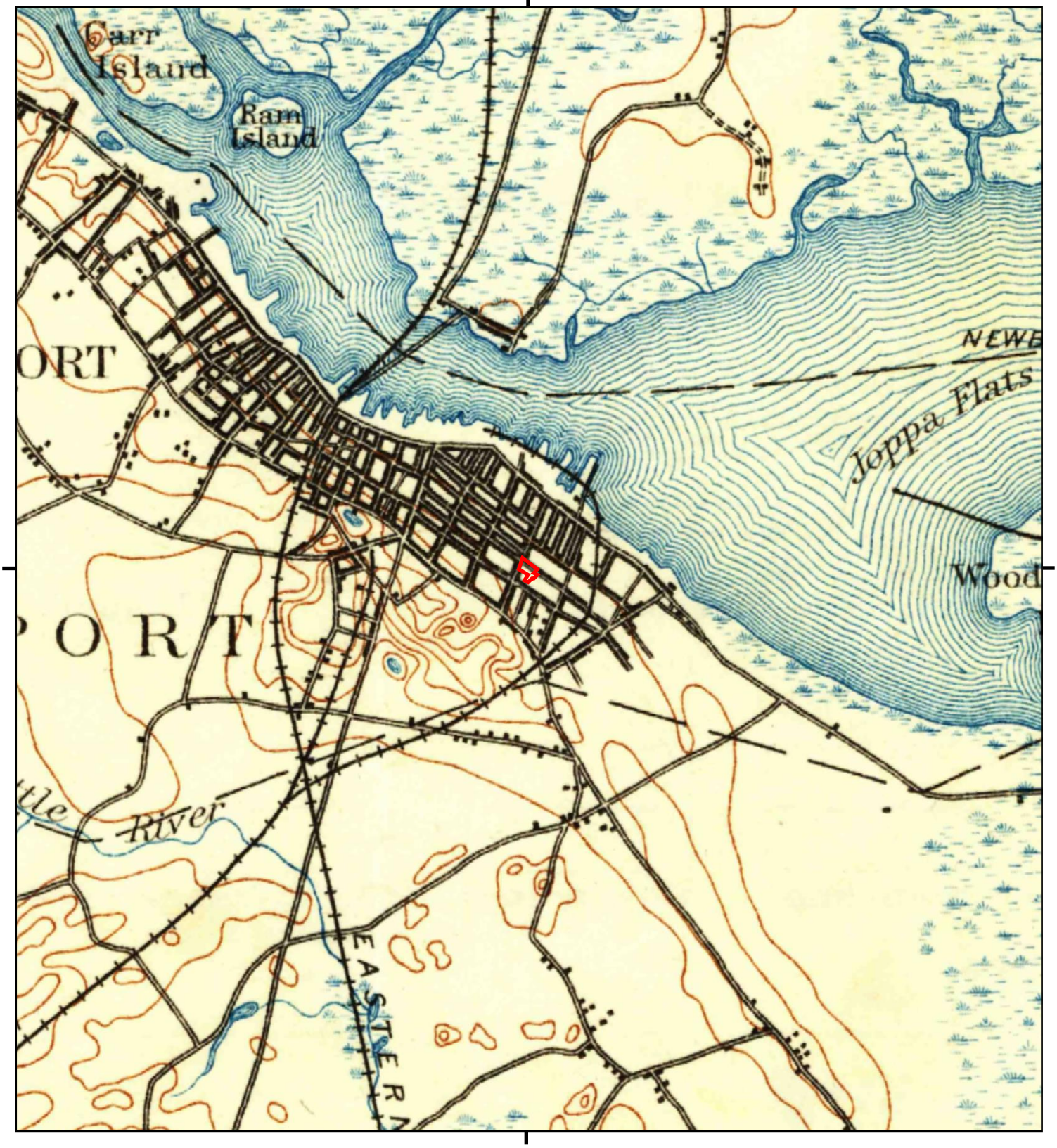
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Cape Ann, 1943, 30-minute

SITE NAME: Brown School
ADDRESS: 42 Milk Street
Newburyport, MA 01950
CLIENT: Credere Associates

N



This report includes information from the following map sheet(s).

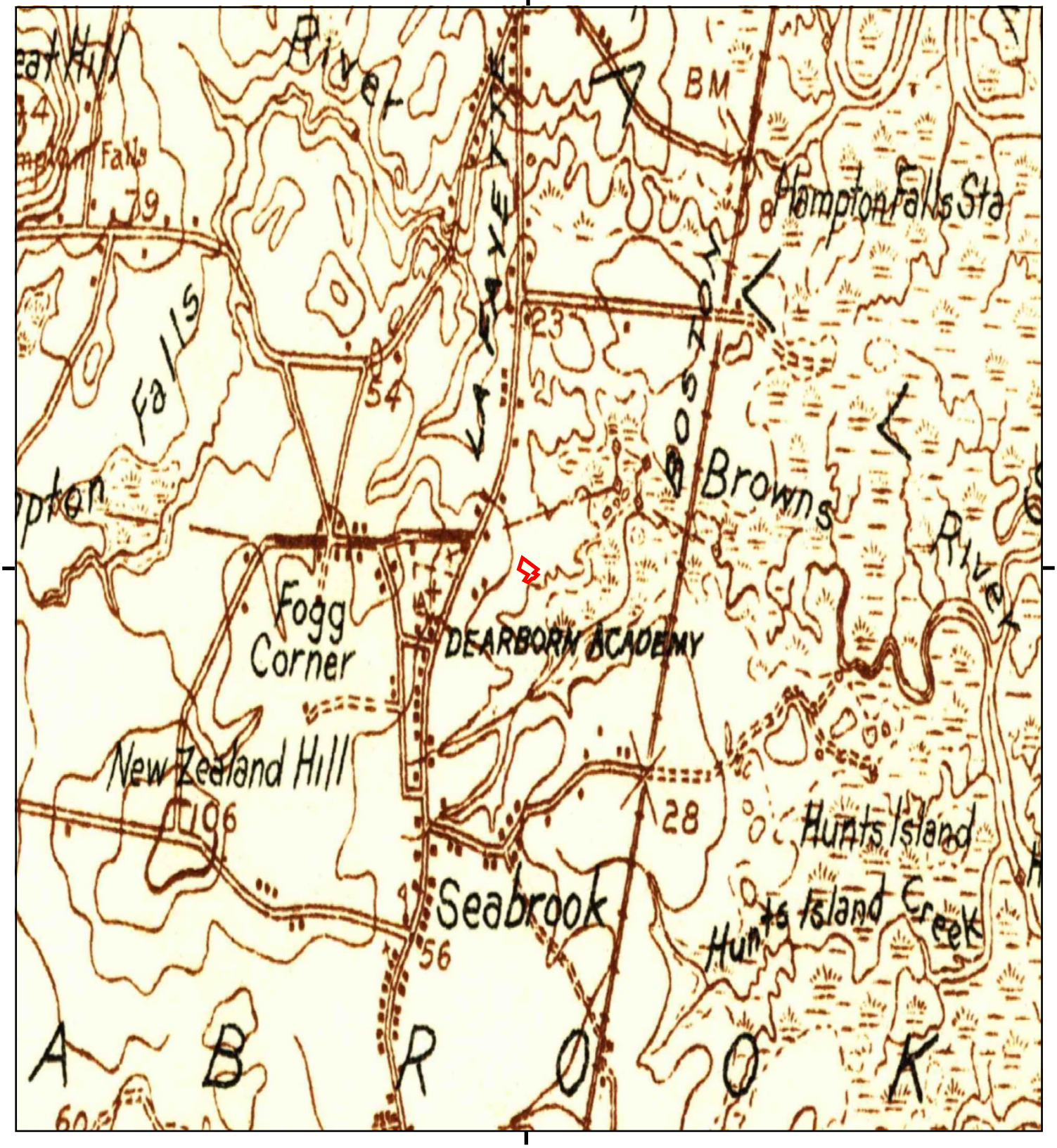
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Exeter, 1934, 15-minute
TP, Newburyport, 1934, 15-minute

SITE NAME: Brown School
ADDRESS: 42 Milk Street
Newburyport, MA 01950
CLIENT: Credere Associates

N



This report includes information from the following map sheet(s).

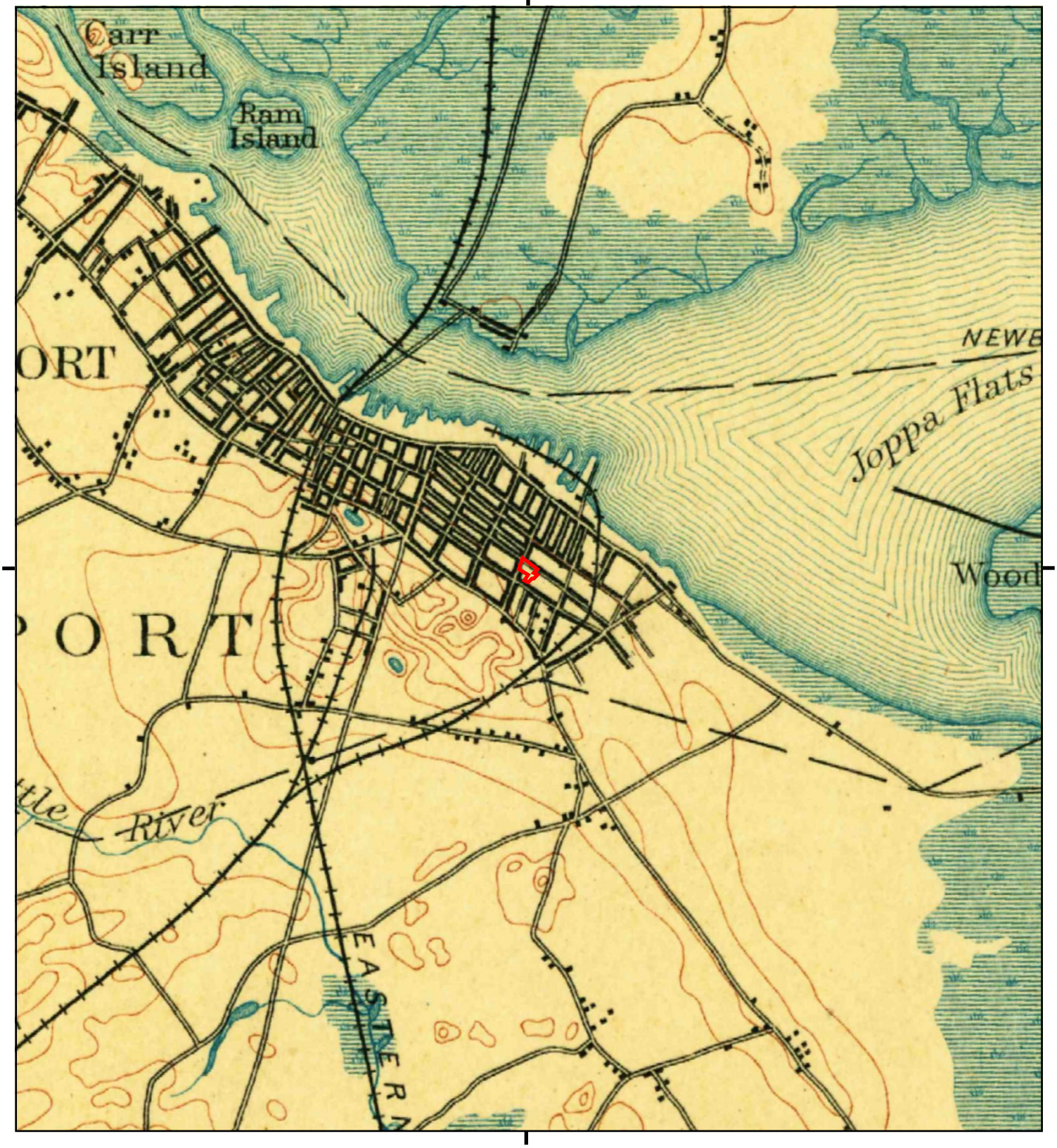
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newburyport, 1932, 15-minute

SITE NAME: Brown School
ADDRESS: 42 Milk Street
Newburyport, MA 01950
CLIENT: Credere Associates

N



This report includes information from the following map sheet(s).

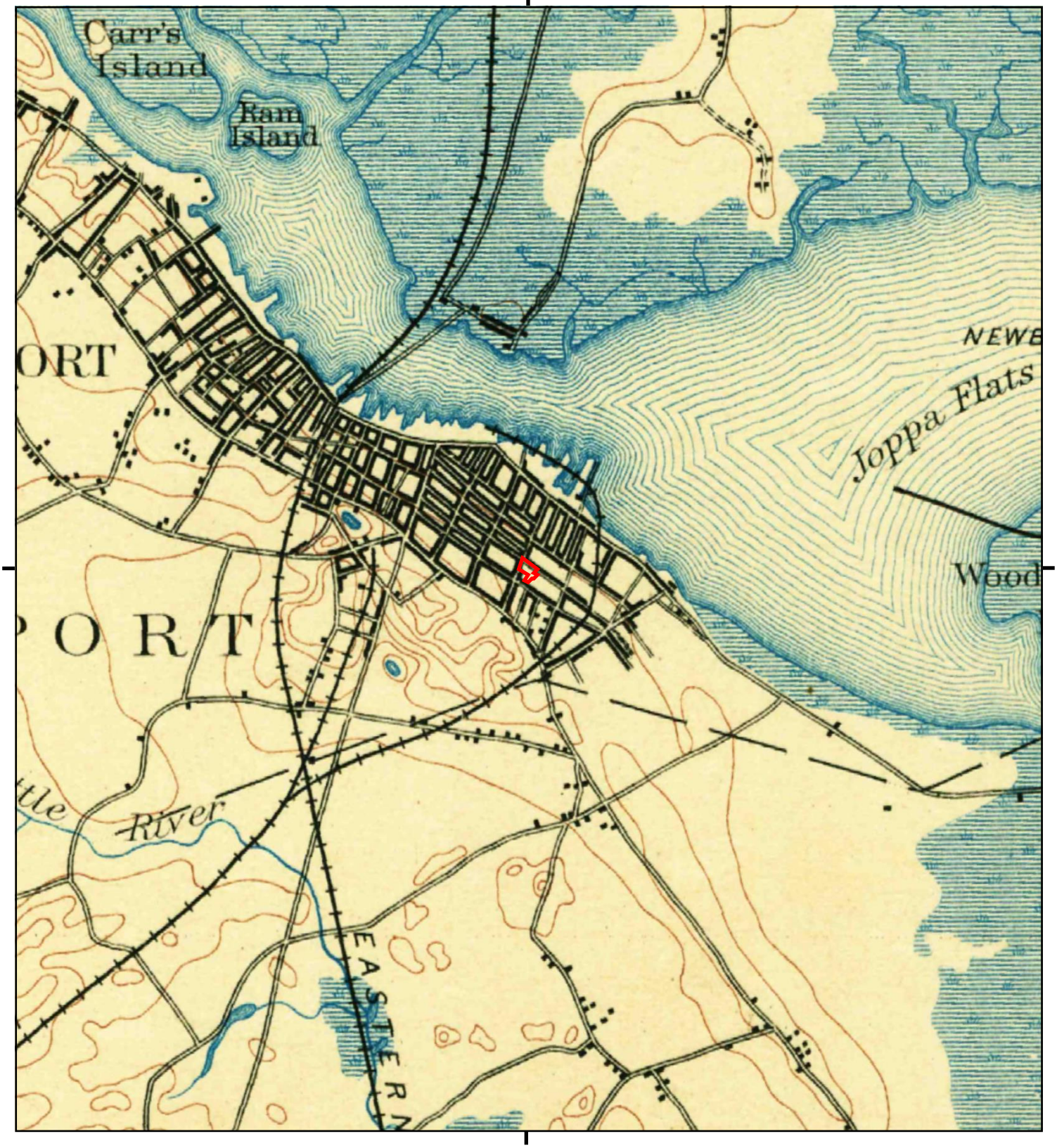
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newburyport, 1894, 15-minute

SITE NAME: Brown School
ADDRESS: 42 Milk Street
Newburyport, MA 01950
CLIENT: Credere Associates

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newburyport, 1890, 15-minute

SITE NAME: Brown School
ADDRESS: 42 Milk Street
Newburyport, MA 01950
CLIENT: Credere Associates

N

Brown School
42 Milk Street
Newburyport, MA 01950

Inquiry Number: 6324032.3
January 07, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

01/07/21

Site Name:

Brown School
42 Milk Street
Newburyport, MA 01950
EDR Inquiry # 6324032.3

Client Name:

Credere Associates
776 Main Street
Westbrook, ME 04102
Contact: Moira Wentworth

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Certification # A1F3-4ABB-BA6C

PO # 16001377

Project Brown School

Maps Provided:

1961
1946
1924
1914
1906
1900
1894

Sanborn® Library search results

Certification #: A1F3-4ABB-BA6C

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- ☑ Library of Congress
- ☑ University Publications of America
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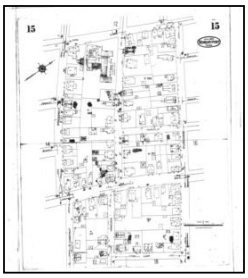
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1961 Source Sheets

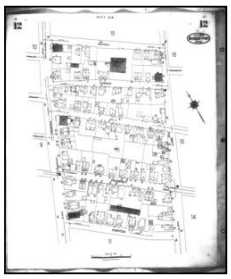
Volume 1, Sheet 12
1961

Volume 1, Sheet 14
1961



Volume 1, Sheet 15
1961

1946 Source Sheets



Volume 1, Sheet 12
1946

Volume 1, Sheet 15
1946

Volume 1, Sheet 14
1946

1924 Source Sheets

Volume 1, Sheet 12
1924

Volume 1, Sheet 14
1924

Volume 1, Sheet 15
1924

1914 Source Sheets

Volume 1, Sheet 24
1914

Volume 1, Sheet 25
1914

Volume 1, Sheet 26
1914

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1906 Source Sheets

Volume 1, Sheet 21
1906

Volume 1, Sheet 24
1906

Volume 1, Sheet 25
1906

1900 Source Sheets

Volume 1, Sheet 19
1900

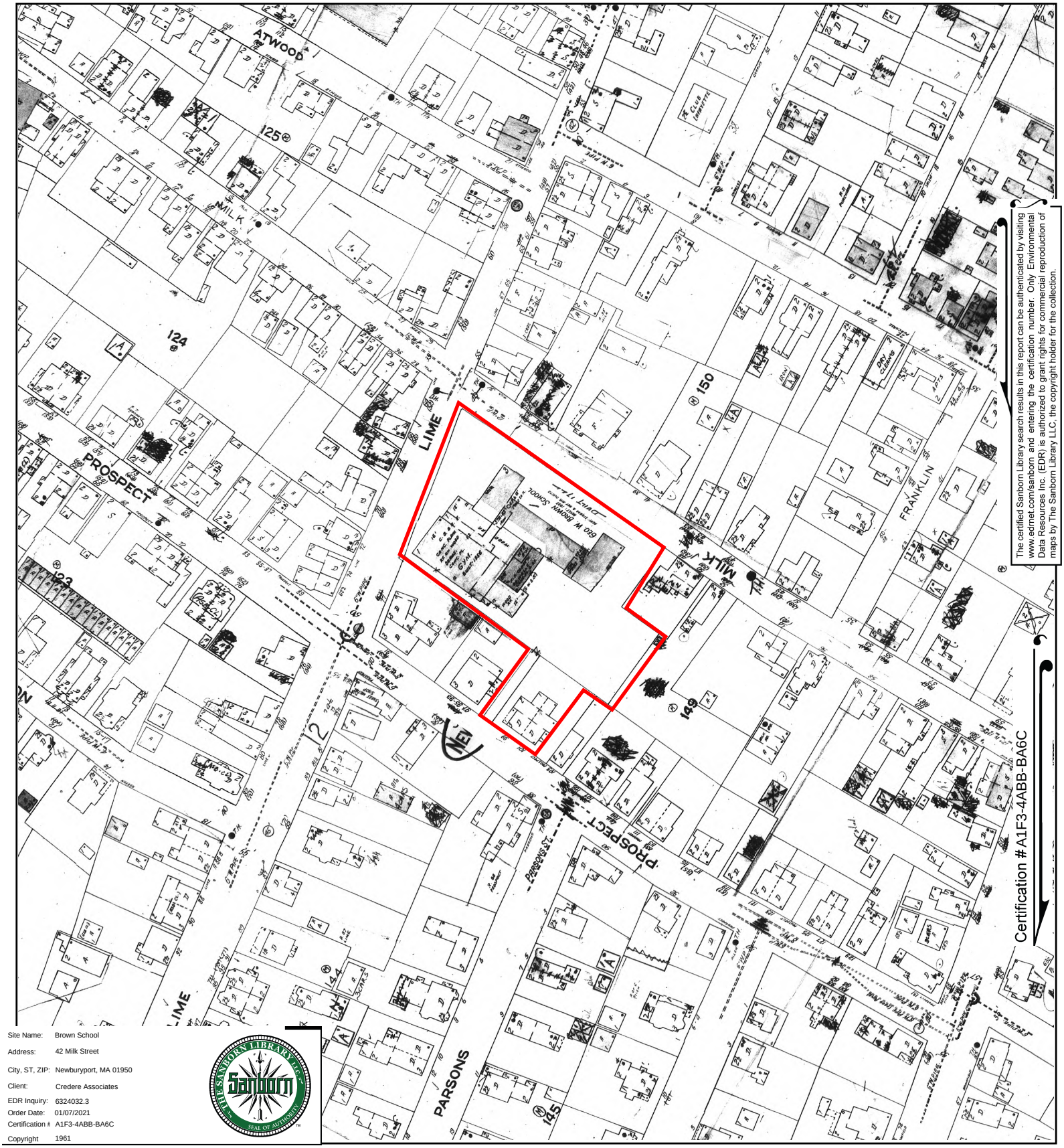
Volume 1, Sheet 20
1900

1894 Source Sheets

Volume 1, Sheet 16
1894

Volume 1, Sheet 17
1894

Volume 1, Sheet 19
1894



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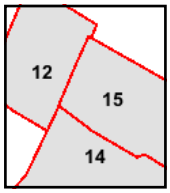
Site Name:	Brown School
Address:	42 Milk Street
City, ST, ZIP:	Newburyport, MA 01950
Client:	Credere Associates
EDR Inquiry:	6324032.3
Order Date:	01/07/2021
Certification #:	A1F3-4ABB-BA6C
Copyright	1961

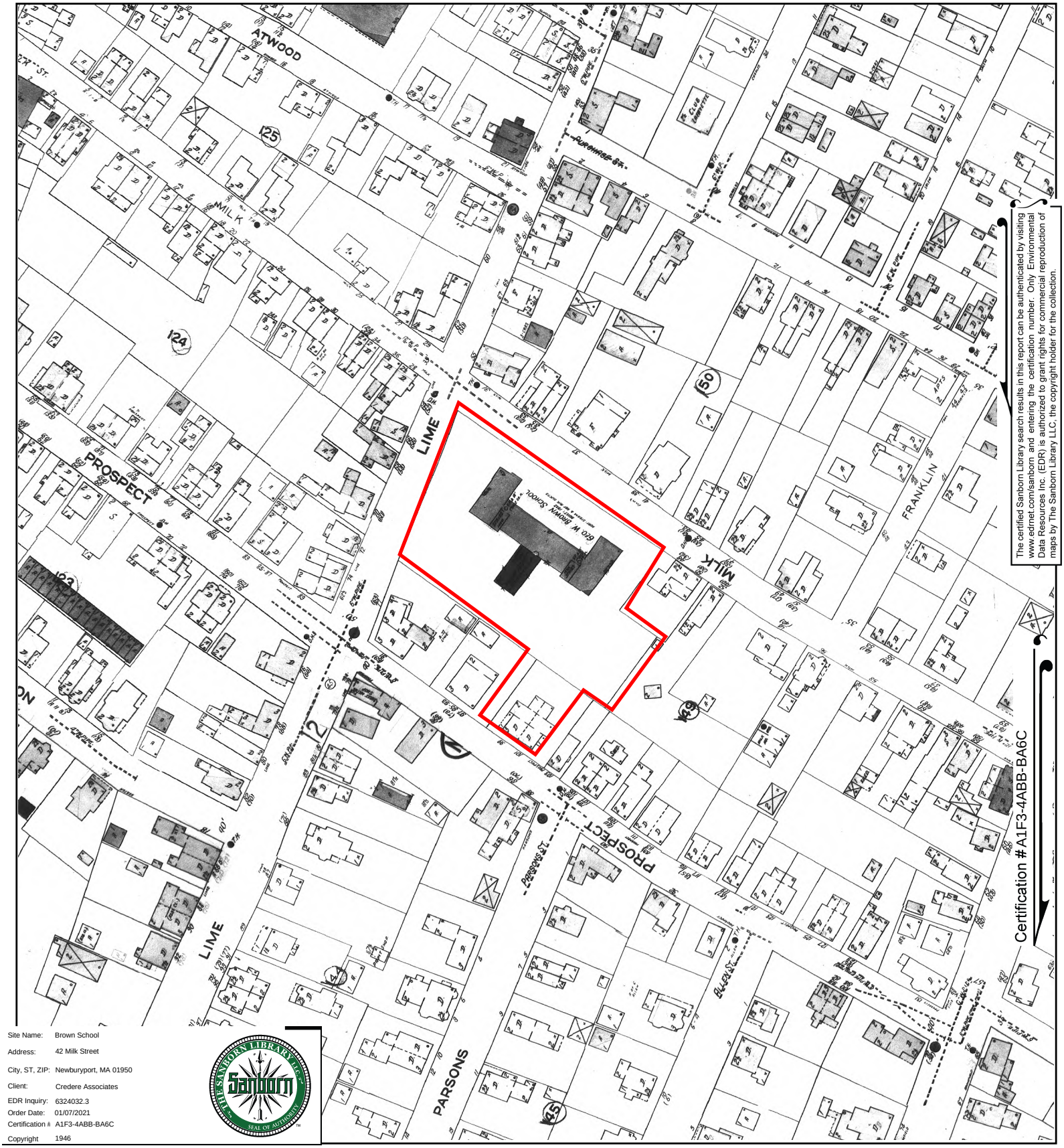
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 15
Volume 1, Sheet 14
Volume 1, Sheet 12

N



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Site Name:	Brown School
Address:	42 Milk Street
City, ST, ZIP:	Newburyport, MA 01950
Client:	Credere Associates
EDR Inquiry:	6324032.3
Order Date:	01/07/2021
Certification #	A1F3-4ABB-BA6C
Copyright	1946

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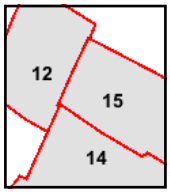
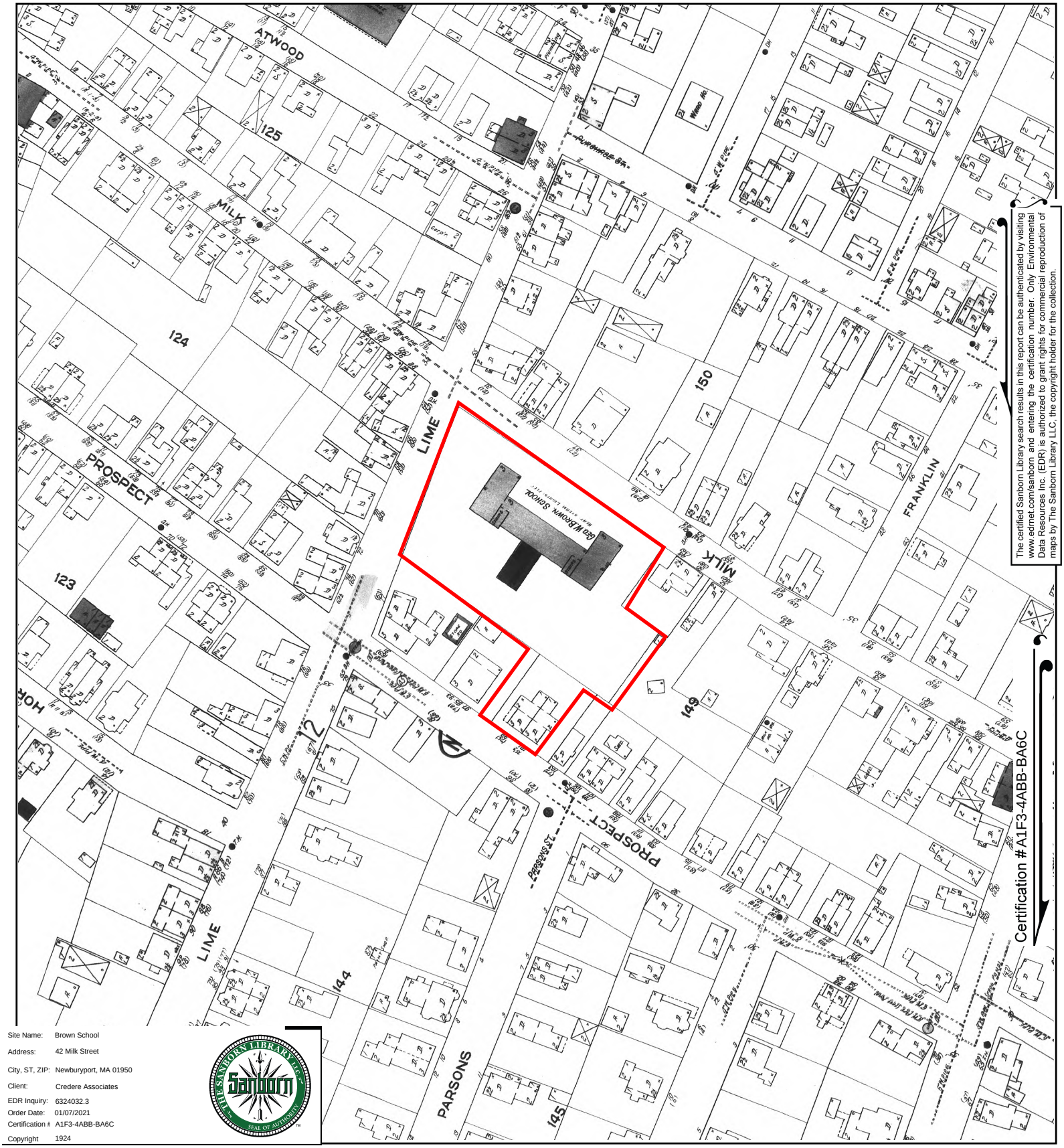


Volume 1, Sheet 14
Volume 1, Sheet 15
Volume 1, Sheet 12

N



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Site Name:	Brown School
Address:	42 Milk Street
City, ST, ZIP:	Newburyport, MA 01950
Client:	Credere Associates
EDR Inquiry:	6324032.3
Order Date:	01/07/2021
Certification #:	A1F3-4ABB-BA6C
Copyright	1924

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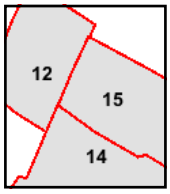
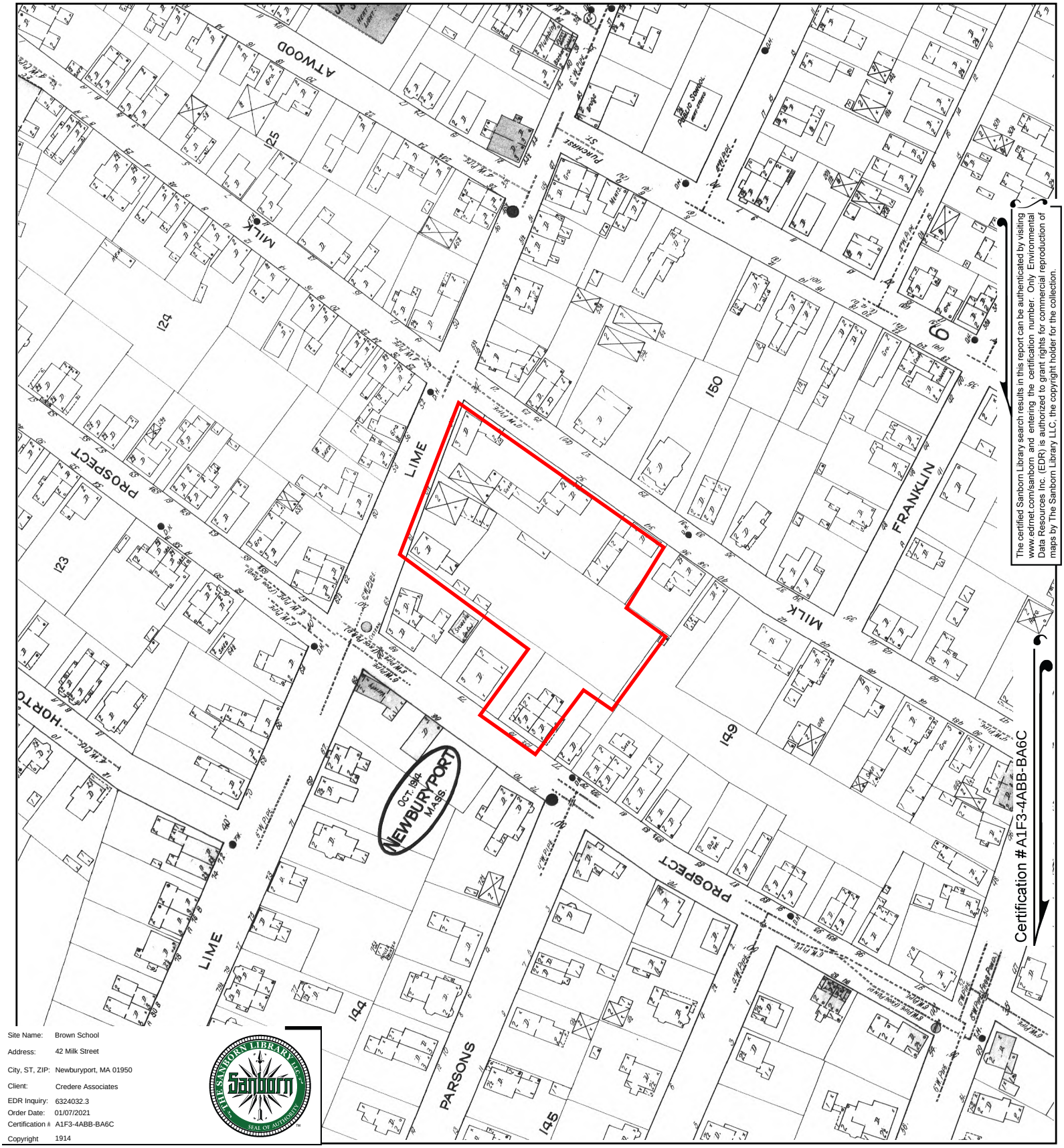


Volume 1, Sheet 15
Volume 1, Sheet 14
Volume 1, Sheet 12

N



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Certification #A1F3-4ABB-BA6C

Site Name:	Brown School
Address:	42 Milk Street
City, ST, ZIP:	Newburyport, MA 01950
Client:	Credere Associates
EDR Inquiry:	6324032.3
Order Date:	01/07/2021
Certification #:	A1F3-4ABB-BA6C
Copyright	1914

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

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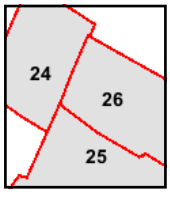
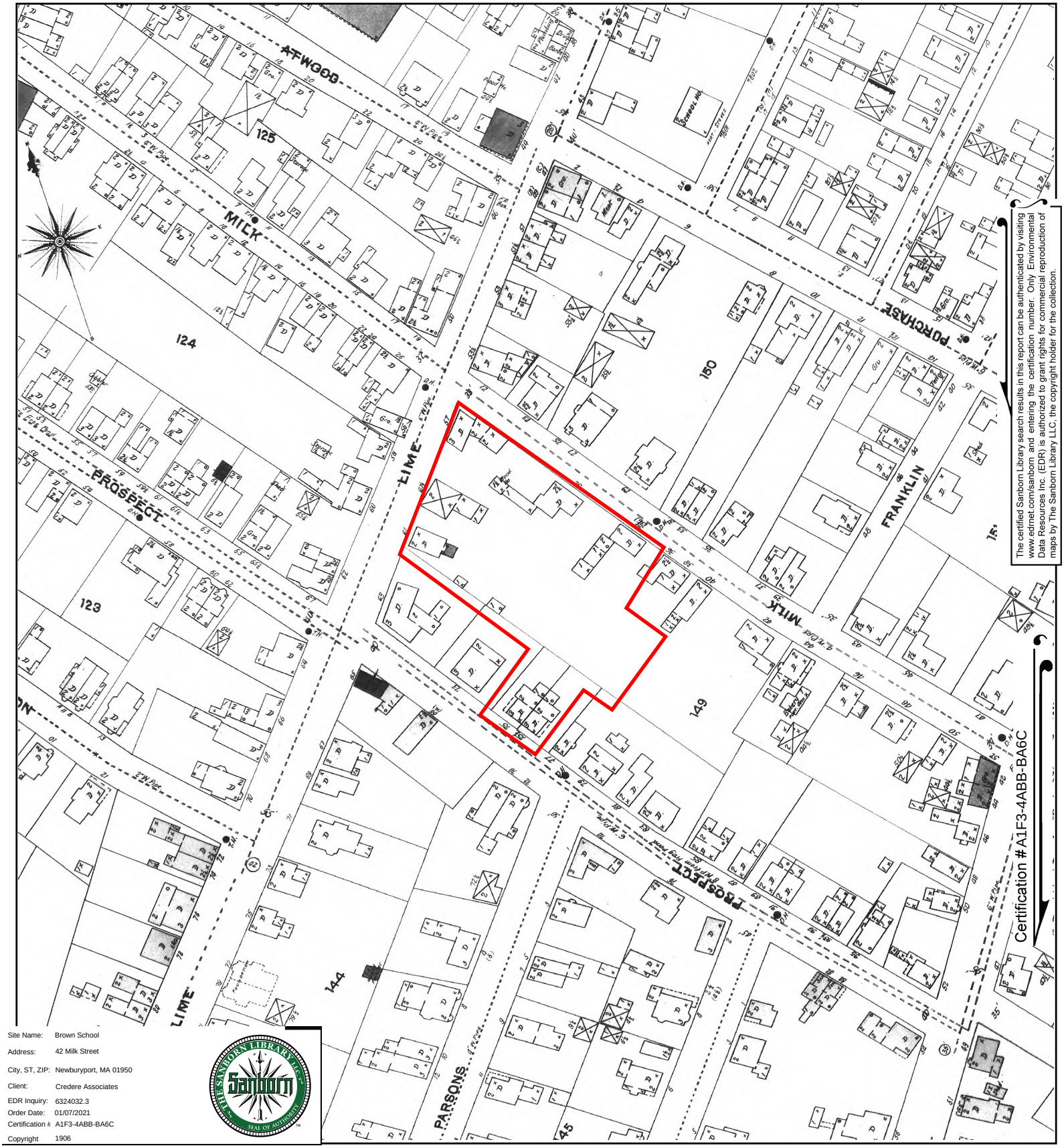


Volume 1, Sheet 26
Volume 1, Sheet 25
Volume 1, Sheet 24

N



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Certification #A1F3-4ABB-BA6C

Site Name:	Brown School
Address:	42 Milk Street
City, ST, ZIP:	Newburyport, MA 01950
Client:	Credere Associates
EDR Inquiry:	6324032.3
Order Date:	01/07/2021
Certification #:	A1F3-4ABB-BA6C
Copyright	1906

This Certified Sanborn Map combines the following sheets.
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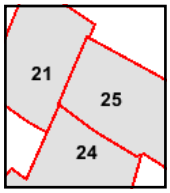


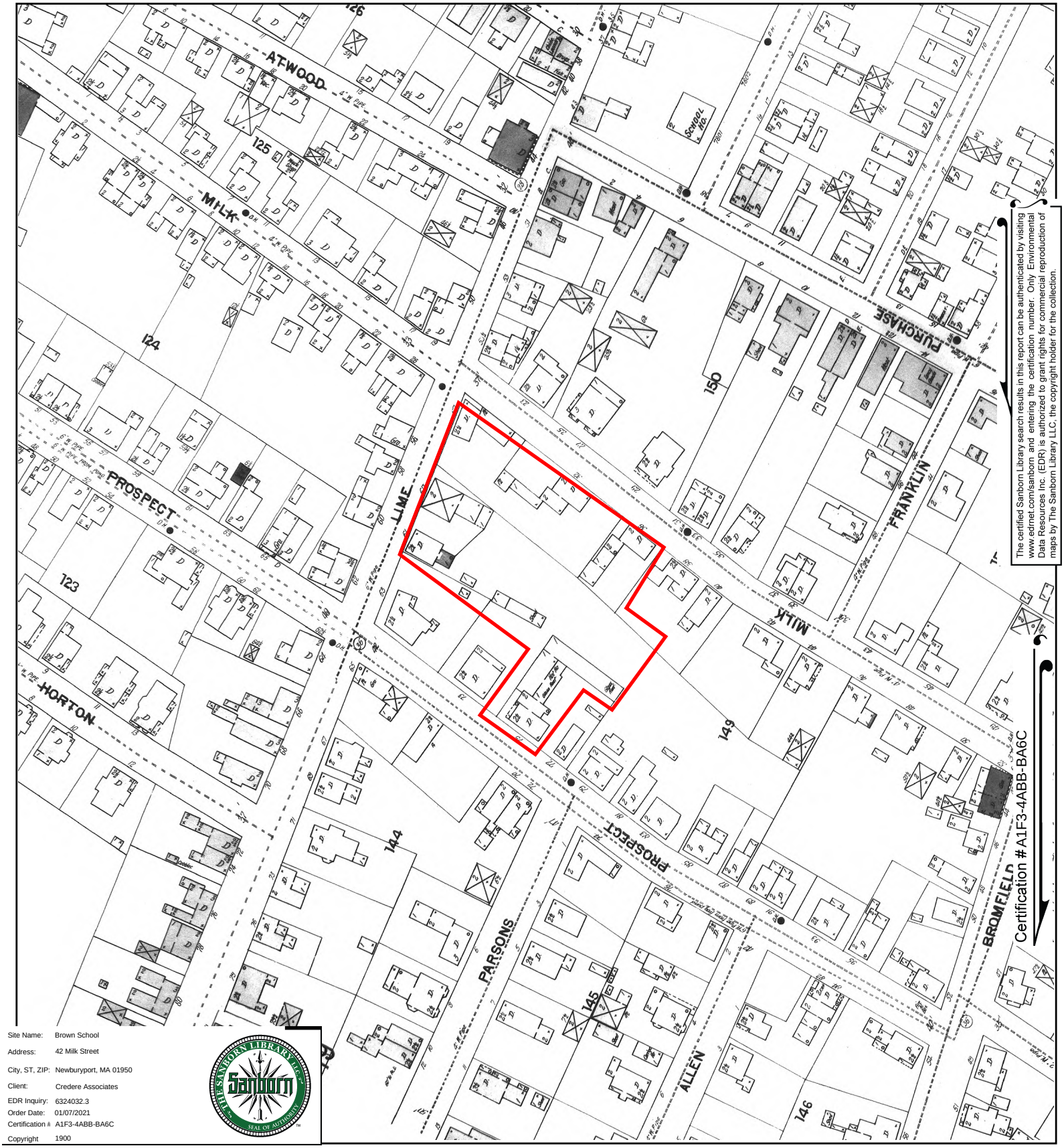
Volume 1, Sheet 25
Volume 1, Sheet 24
Volume 1, Sheet 21

0 Feet 150 300 600

N

Certified Sanborn® Map

1900



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Certification #A1F3-4ABB-BA6C

Site Name:	Brown School
Address:	42 Milk Street
City, ST, ZIP:	Newburyport, MA 01950
Client:	Credere Associates
EDR Inquiry:	6324032.3
Order Date:	01/07/2021
Certification #:	A1F3-4ABB-BA6C
Copyright	1900

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

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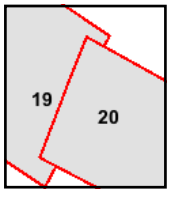
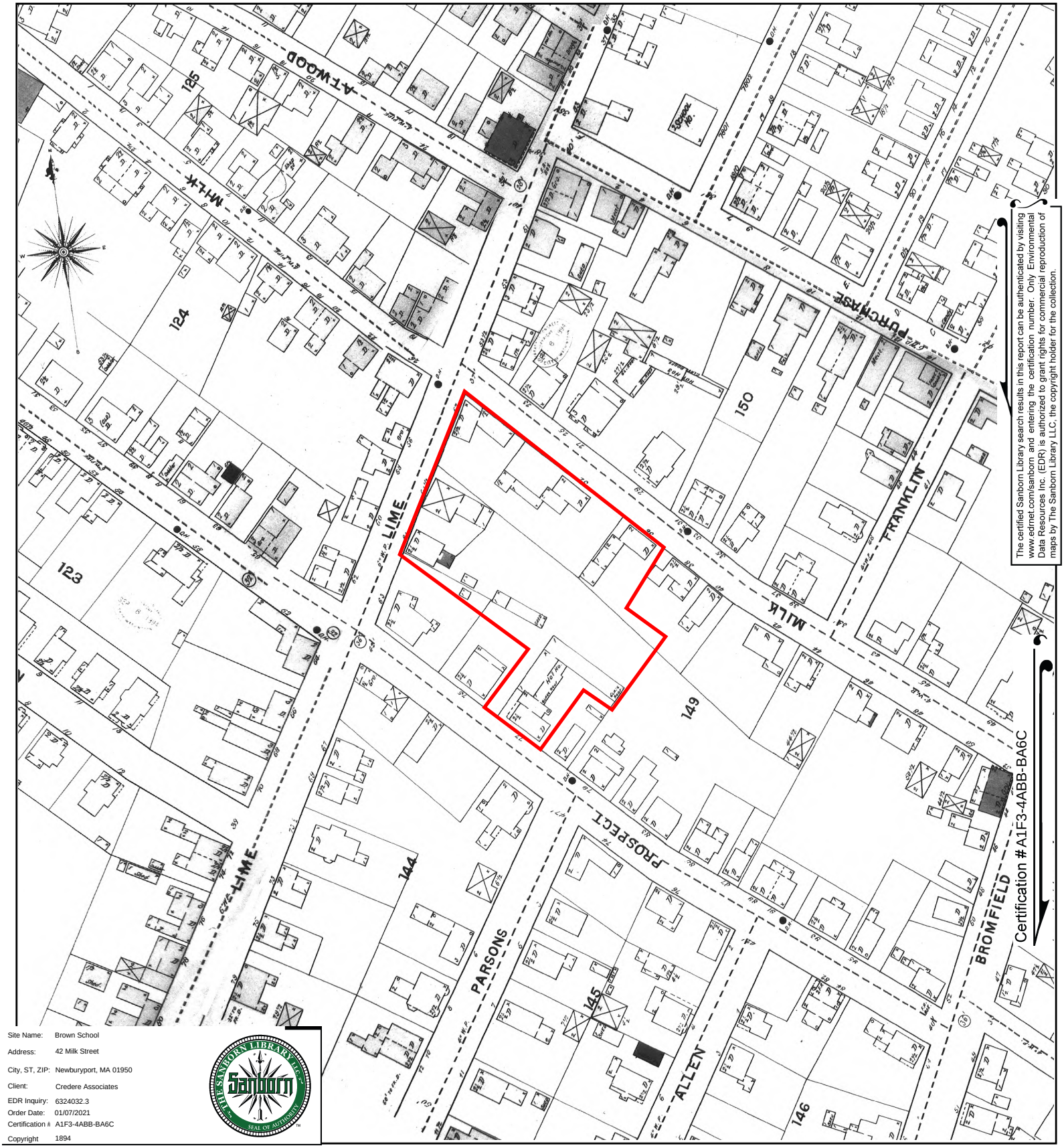


Volume 1, Sheet 20
Volume 1, Sheet 19

N



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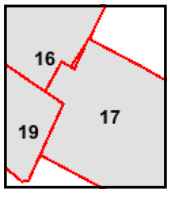
Certification #A1F3-4ABB-BA6C

Site Name:	Brown School
Address:	42 Milk Street
City, ST, ZIP:	Newburyport, MA 01950
Client:	Credere Associates
EDR Inquiry:	6324032.3
Order Date:	01/07/2021
Certification #:	A1F3-4ABB-BA6C
Copyright	1894

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 19
Volume 1, Sheet 17
Volume 1, Sheet 16

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Brown School
42 Milk Street
Newburyport, MA 01950

Inquiry Number: 6324032.2s
January 18, 2021

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

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Toll Free: 800.352.0050
www.edrnet.com

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Map Findings	4
Record Sources and Currency	GR-1

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	property	0	-	-
State- and tribal - equivalent NPL	not searched	-	-	-
State- and tribal - equivalent CERCLIS	1.0	0	0	0
State and tribal landfill and/or solid waste disposal site lists	0.5	0	0	0
State and tribal leaking storage tank lists	0.5	0	0	0
State and tribal registered storage tank lists	0.25	0	0	0
State and tribal institutional control / engineering control registries	0.5	0	0	0
State and tribal voluntary cleanup sites	0.5	0	0	0
State and tribal Brownfields sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	0.5	0	0	0
Local Lists of Registered Storage Tanks	not searched	-	-	-
Local Land Records	property	0	-	-
Records of Emergency Release Reports	property	0	-	-
Other Ascertainable Records	1.0	0	0	0

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

BROWN SCHOOL
42 MILK STREET
NEWBURYPORT, MA 01950

COORDINATES

Latitude (North):	42.805934 - 42° 48′ 21.365662″
Longitude (West):	70.864605 - 70° 51′ 52.591553″
Elevation:	35 ft. above sea level

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

Not Reported

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

Not Reported

EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

Not Reported

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page

Not Reported

PRIMARY MAP - 6324032.2S

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Brown School	CLIENT: Credere Associates
ADDRESS: 42 Milk Street Newburyport MA 01950	CONTACT: Moira Wentworth
LAT/LONG: 42.805934 / 70.864605	INQUIRY #: 6324032.2s DATE: January 07, 2021 4:42 pm

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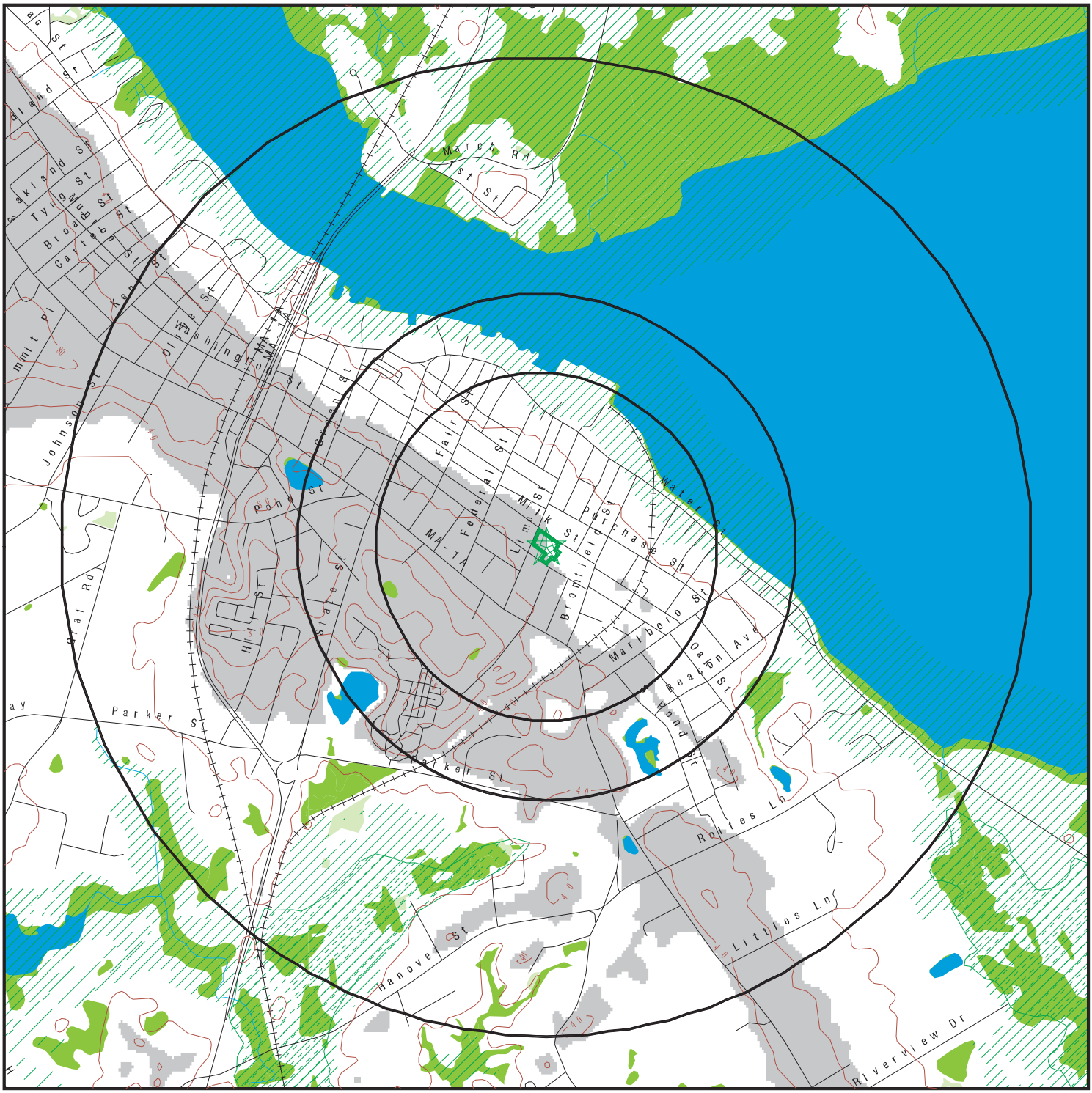
SECONDARY MAP - 6324032.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/3 1/2 1 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Upgradient Area

Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Brown School ADDRESS: 42 Milk Street Newburyport MA 01950 LAT/LONG: 42.805934 / 70.864605	CLIENT: Credere Associates CONTACT: Moira Wentworth INQUIRY #: 6324032.2s DATE: January 07, 2021 4:41 pm

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MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**			EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range Relative Elevation	(Distance feet / miles) Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.
Worksheet:			
Comments: Comments may be added on the online Vapor Encroachment Worksheet.			

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	10/28/2020	11/05/2020	11/25/2020
US	Proposed NPL	Proposed National Priority List Sites	EPA	10/28/2020	11/05/2020	11/25/2020
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	10/28/2020	11/05/2020	11/25/2020
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	12/14/2020	12/17/2020	12/22/2020
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/14/2020	12/17/2020	12/22/2020
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/14/2020	12/17/2020	12/22/2020
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/14/2020	12/17/2020	12/22/2020
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	12/14/2020	12/17/2020	12/22/2020
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	08/06/2020	08/21/2020	11/11/2020
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	10/28/2020	11/05/2020	11/18/2020
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	10/28/2020	11/05/2020	11/18/2020
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/14/2020	12/15/2020	12/22/2020
State and tribal - equivalent CERCLIS						
MA	SHWS	Site Transition List	Department of Environmental Protection	06/24/2020	06/25/2020	06/26/2020
State and tribal landfill / solid waste disposal						
MA	SWF/LF	Solid Waste Facility Database/Transfer Stations	Department of Environmental Protection	01/14/2020	04/03/2020	06/18/2020
MA	LF PROFILES	Landfill Profiles Listing	Department of Environmental Protection	07/01/2015	10/27/2015	12/14/2015
State and tribal leaking storage tank lists						
MA	LUST	Leaking Underground Storage Tank Listing	Department of Environmental Protection	06/24/2020	06/25/2020	06/26/2020
MA	LAST	Leaking Aboveground Storage Tank Sites	Department of Environmental Protection	06/24/2020	06/25/2020	06/26/2020
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/08/2020	05/20/2020	08/12/2020
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/14/2020	05/20/2020	08/12/2020
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/15/2020	05/20/2020	08/12/2020
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/08/2020	05/20/2020	08/12/2020
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/14/2020	05/20/2020	08/12/2020
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/29/2020	05/20/2020	08/12/2020
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/14/2020	05/20/2020	08/12/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	04/14/2020	05/26/2020	08/12/2020
State and tribal registered storage tank lists						
MA	UST	Summary Listing of all the Tanks Registered in the State of	Department of Fire Services, Office of the Pu	09/30/2020	10/09/2020	12/31/2020
MA	AST	Aboveground Storage Tank Database	Department of Public Safety	09/24/2020	10/13/2020	01/04/2021
MA	AST 2	Aboveground Storage Tanks	Department of Fire Services	10/08/2020	10/09/2020	12/31/2020
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/29/2020	05/20/2020	08/12/2020
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/14/2020	05/20/2020	08/13/2020
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	04/14/2020	05/26/2020	08/12/2020
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/14/2020	05/20/2020	08/12/2020
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/14/2020	05/20/2020	08/12/2020
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/08/2020	05/20/2020	08/12/2020
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/03/2020	05/20/2020	08/12/2020
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/08/2020	05/20/2020	08/12/2020
US	FEMA UST	Underground Storage Tank Listing	FEMA	07/21/2020	09/03/2020	11/25/2020
State and tribal institutional control / engineering control registries						
MA	INST CONTROL	Sites With Activity and Use Limitation	Department of Environmental Protection	06/24/2020	06/25/2020	06/26/2020
State and tribal voluntary cleanup sites						
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
State and tribal Brownfields sites						
MA	BROWNFIELDS 2	Potential Brownfields Listing	Department of Environmental Protection	12/31/2018	07/31/2019	09/25/2019
MA	BROWNFIELDS	Completed Brownfields Covenants Listing	Office of the Attorney General	04/05/2017	08/03/2017	10/10/2017
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	09/30/2020	10/08/2020	01/04/2021
US	ROD	Records Of Decision	EPA	10/28/2020	11/05/2020	11/25/2020
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	10/28/2020	11/05/2020	11/25/2020
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	03/18/2020	03/19/2020	06/09/2020
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2018	12/04/2019	01/15/2020
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	10/28/2020	11/05/2020	11/25/2020
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	09/21/2020	09/22/2020	12/14/2020
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	Delisted NPL	National Priority List Deletions	EPA	10/28/2020	11/05/2020	11/25/2020
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	10/28/2020	11/05/2020	11/25/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/14/2020	12/17/2020	12/22/2020
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	09/20/2020	09/22/2020	12/14/2020
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	03/18/2020	03/19/2020	06/09/2020
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	09/14/2020	09/15/2020	12/10/2020
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	08/05/2020	08/13/2020	10/21/2020
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	09/10/2020	09/15/2020	11/20/2020
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/04/2020	08/25/2020	11/18/2020
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/06/2020	05/27/2020	08/13/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	04/27/2020	05/06/2020	06/09/2020
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	08/14/2020	11/04/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/17/2020	09/10/2020
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	10/19/2020	10/19/2020	01/04/2021
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	10/09/2019	10/11/2019	12/20/2019
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/05/2020	08/10/2020	10/08/2020
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	09/04/2020	09/15/2020	11/20/2020
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	07/24/2020	08/03/2020	10/21/2020
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2017	06/22/2020	11/20/2020
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	09/16/2020	09/17/2020	12/10/2020
MA	AIRS	Permitted Facilities Listing	Department of Environmental Protection	10/09/2020	10/09/2020	12/31/2020
MA	ASBESTOS	Asbestos Notification Listing	Department of Environmental Protection	08/14/2020	08/19/2020	11/09/2020
MA	DRYCLEANERS	Regulated Drycleaning Facilities	Department of Environmental Protection	09/29/2020	10/09/2020	12/31/2020
MA	ENFORCEMENT	Enforcement Action Cases	Department of Environmental Quality	07/21/2020	07/22/2020	10/05/2020
MA	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Protection	12/01/2010	12/23/2010	02/03/2011
MA	Financial Assurance 2	Financial Assurance Information Listing	Office of State Fire Marshal	09/30/2020	10/09/2020	12/31/2020
MA	Financial Assurance 3	Financial Assurance Information listing	Department of Environmental Protection	01/16/2018	04/17/2018	06/15/2018
MA	GWDP	Ground Water Discharge Permits	MassGIS	04/01/2020	04/28/2020	07/14/2020
MA	HW GEN	List of Massachusetts Hazardous Waste Generators	Department of Environmental Protection	09/18/2020	09/22/2020	12/11/2020
MA	LIENS	Liens Information Listing	Department of Environmental Protection	03/07/2018	03/09/2018	06/21/2018
MA	MA SPILLS	Historical Spill List	Department of Environmental Protection	09/30/1993	12/03/2003	12/31/2003
MA	MERCURY	Mercury Product Recyling Drop-Off Locations Listing	Department of Environmental Protection	05/07/2018	05/25/2018	06/25/2018

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
MA	NPDES	NPDES Permit Listing	Department of Environmental Protection	01/07/2020	02/11/2020	04/21/2020
MA	RELEASE	Reportable Releases	Department of Environmental Protection	06/24/2020	06/25/2020	06/26/2020
MA	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	03/10/1998	01/03/2013	03/05/2013
MA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	12/11/2012	01/03/2013	02/08/2013
MA	TIER 2	Tier 2 Information Listing	Massachusetts Emergency Management Agency	12/31/2018	04/25/2019	07/16/2019
MA	TSD	TSD Facility	Department of Environmental Protection	09/21/2020	09/23/2020	12/14/2020
MA	UIC	Underground Injection Control Listing	Department of Environmental Protection	08/05/2020	08/05/2020	10/26/2020
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2018	07/02/2020	09/17/2020
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/31/2018	07/26/2018	10/05/2018
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/17/2020	08/17/2020	10/21/2020
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	10/03/2020	10/06/2020	01/04/2021
MA	PFAS	PFAS Contaminated Sites Listing	Department of Environmental Protection	09/28/2020	09/29/2020	12/14/2020

HISTORICAL USE RECORDS

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
MA	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Protection		07/01/2013	12/24/2013
MA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environmental Protection		07/01/2013	12/24/2013

STREET AND ADDRESS INFORMATION

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APPENDIX F

Site Reconnaissance Photo Log

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

1. View of the north side of Brown School from Milk Street showing a portion of the 1923 original building and the 1978 addition

2. View of the south side of Brown School from the recess area (1961 addition on left and the 1923 original building is on the right)

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

3. View of the playground equipment, facing west

4. View of the recess area including a storm drain (foreground), facing south

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

5. View of the west side of Brown School property (Lime Street in the foreground)

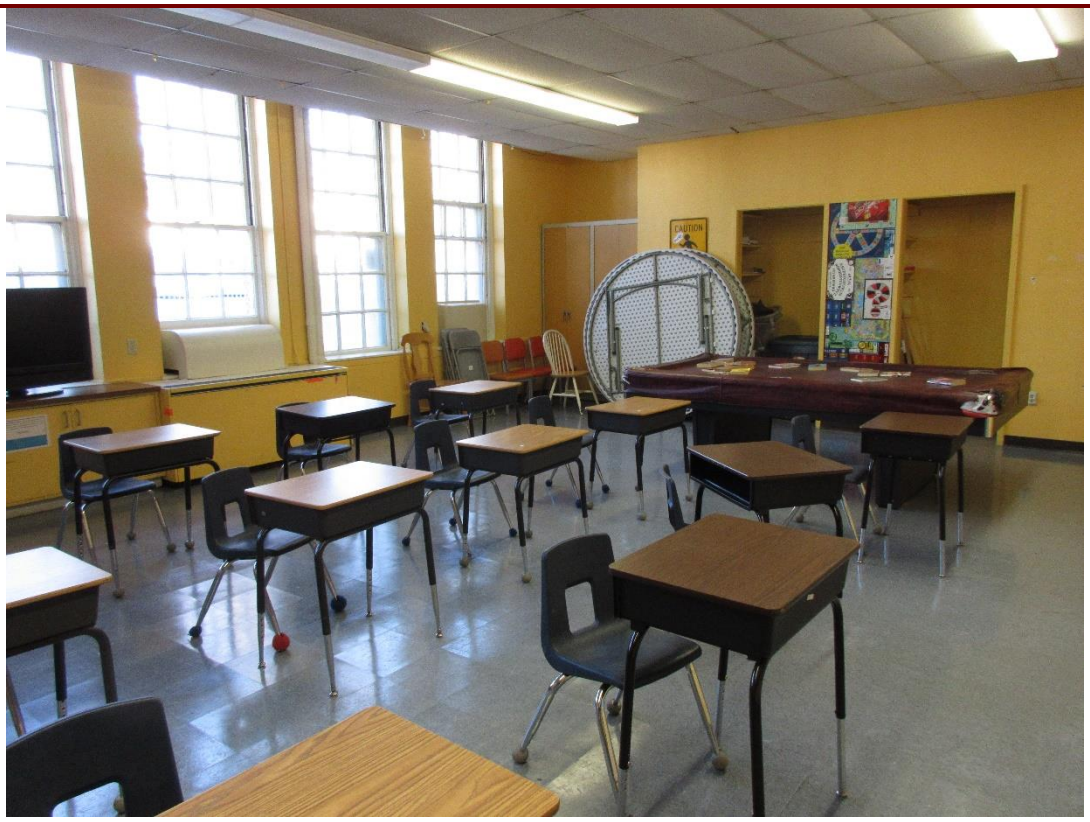
6. View of the vent pipe serving the existing underground storage tank (UST) in the recess area west of the 1961 addition

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

7. View of the product fill port for the current UST

8. View of the gymnasium in the 1961 building addition

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts



9. View of a typical first-floor classroom in the building

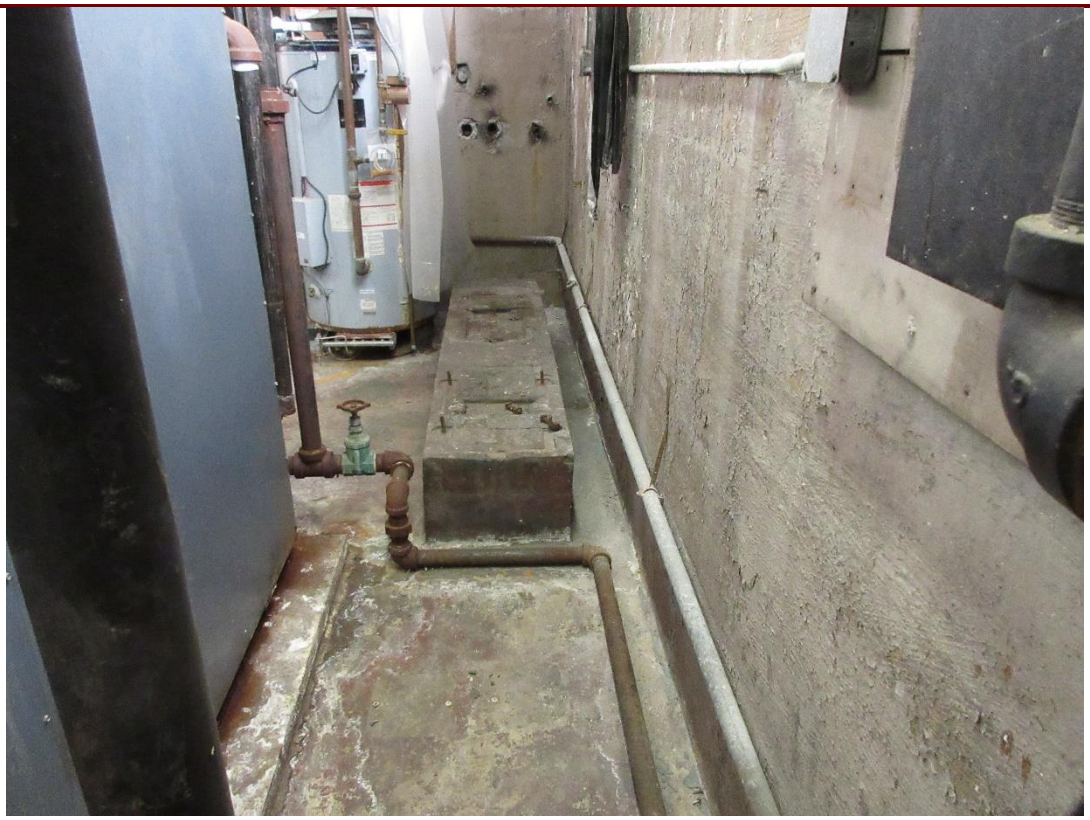
10. View of the office area on the first floor (new section of building)

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

11. View of a floor drain observed in the boiler room

12. View of one of the two forced hot water boilers in the boiler room

13. View of an out-of-service compressor which was formerly part of heating system



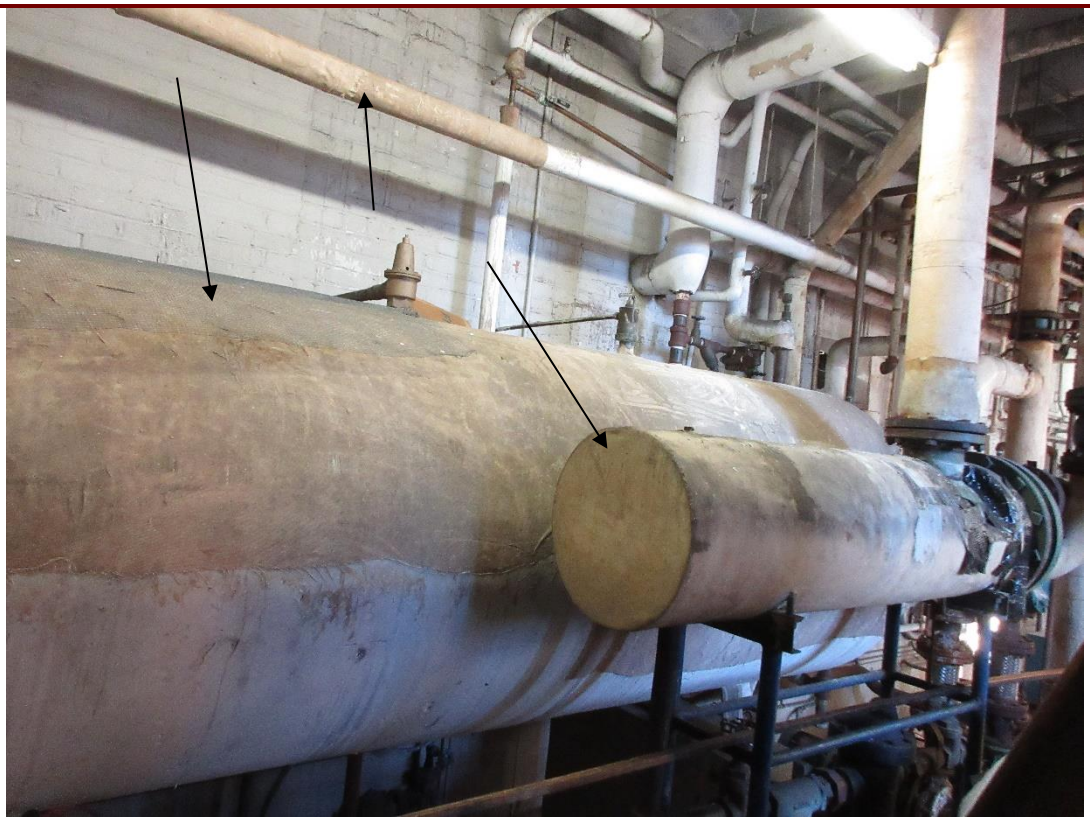
14. View of a concrete pad in the boiler room of unknown use

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

15. View of a typical second-floor classroom

16. View of the linoleum on the 1st floor that was previously identified in the AHERA reports as asbestos-containing

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts



17. View of thermal system insulation in the boiler room that was previously identified in the AHERA reports as asbestos-containing

18. View of pipe wrap and duct insulation in the boiler room that were previously identified in the AHERA reports as asbestos-containing

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

19. View of 29 Milk Street, adjoining property to the north

20. View of 31 Milk Street, adjoining property to the north

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

21. View of 33 Milk Street, adjoining property to the north

22. View of 37 Milk Street, adjoining property to the north

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

23. View of 37 Milk Street, adjoining north

24. View of 39 Milk Street, adjoining to the north

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

25. View of 48-50 Milk Street, adjoining to the east

26. View of 52 Milk Street, adjoining property to the east

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

27. View of 103 Prospect Street, adjoining to the east

28. View of 86-88 Prospect Street, adjoining to the south

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

29. View of 82 Prospect Street, adjoining property to the south

30. View of 95 Prospect Street, adjoining property to the south

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

31. View of 77 Lime Street, adjoining to the south

32. View of 72 Lime Street, adjoining property to the west

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

33. View of 70 Lime Street, adjoining to the west

34. View of 68 Lime Street, adjoining property to the west

Appendix F – Photo Log
Brown School Site
42 Milk Street, Newburyport, Massachusetts

35. View of 66 Lime Street, adjoining property to the west

APPENDIX G

Other Supporting Documentation

99-101 PROSPECT ST

Location	99-101 PROSPECT ST	**MBLU**	21/ 3/ / /
Owner	CITY OF NEWBURYPORT	**Assessment**	$249,800
PID	913	**Building Count**	1

Current Value

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$0	$249,800	$249,800

Owner of Record

Owner	CITY OF NEWBURYPORT	**Sale Price**	$0
Co-Owner	VACANT LAND	**Certificate**	
Address	60 PLEASANT ST NEWBURYPORT, MA 01950	**Book & Page**	6034/0043
		Sale Date	10/25/1974

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
CITY OF NEWBURYPORT	$0		6034/0043	10/25/1974

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0

Building Attributes	
Field	**Description**
Style:	Vacant Land
Model	
Grade:	
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	

Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Num Kitchens	
Cndtn	
Num Park	
Fireplaces	
Kitchen Grd	
Fndtn Cndtn	
Basement	

Building Photo

(http://images.vgsi.com/photos/NewburyportMAPhotos//default.jpg)

Building Layout

(http://images.vgsi.com/photos/NewburyportMAPhotos//Sketches/913_978

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	9030
Description	MUNICPAL MDL-00

Land Line Valuation

Size (Acres)	0.11
Depth	0
Assessed Value	$249,800

Outbuildings

Outbuildings	Legend
No Data for Outbuildings	

Valuation History

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$0	$249,800	$249,800

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42 MILK ST

Location	42 MILK ST	**MBLU**	21/ 26/ / /
Owner	CITY OF NEWBURYPORT	**Assessment**	$6,094,800
PID	938	**Building Count**	1

Current Value

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$5,711,900	$382,900	$6,094,800

Owner of Record

Owner	CITY OF NEWBURYPORT	**Sale Price**	$0
Co-Owner	BROWN SCHOOL	**Certificate**	
Address	42 MILK STREET NEWBURYPORT, MA 01950	**Book & Page**	/0
		Sale Date	

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
CITY OF NEWBURYPORT	$0		/0	

Building Information

Building 1 : Section 1

Year Built: 1975
Living Area: 36,701

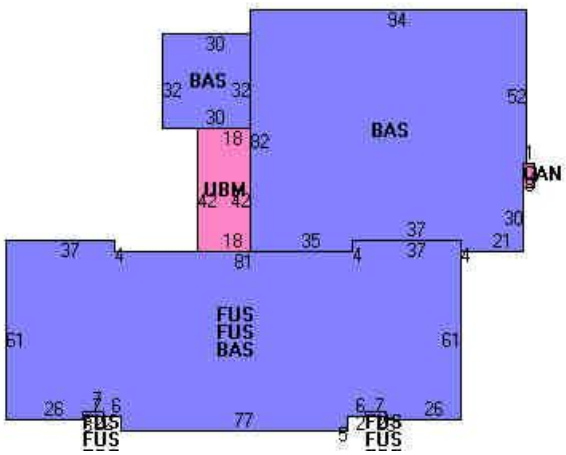
Building Attributes	
Field	**Description**
Style:	Schools-Public
Model	Commercial
Grade	Above Avg +20
Stories:	3
Occupancy	1.00
Exterior Wall 1	Brick/Masonry
Exterior Wall 2	

Roof Structure	Flat
Roof Cover	Tar & Gravel
Interior Wall 1	Plastered
Interior Wall 2	
Interior Floor 1	Vinyl/Asphalt
Interior Floor 2	Hardwood
Heating Fuel	Oil
Heating Type	Hot Water
AC Type	None
Struct Class	
Bldg Use	MUNICPAL MDL-94
Total Rooms	
Total Bedrms	00
Total Baths	10
Kitchen Grd	
1st Floor Use:	903C
Heat/AC	NONE
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	SUS-CEIL & WL
Rooms/Prtns	AVERAGE
Wall Height	12.00
% Comn Wall	1.00

Building Photo

(http://images.vgsi.com/photos/NewburyportMAPhotos//\01\00\16\81.jpg)

Building Layout



(http://images.vgsi.com/photos/NewburyportMAPhotos//Sketches/938_100

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
FUS	Upper Story, Finished	18,826	18,826
BAS	First Floor	17,875	17,875
CAN	Canopy	32	0
FOP	Porch, Open	28	0
UBM	Basement, Unfinished	756	0
		37,517	36,701

Extra Features

Extra Features				Legend
Code	**Description**	**Size**	**Value**	**Bldg #**
ELV3	ELEVATOR COMM GD	1.00 UNITS	$61,400	1

Land

Land Use

Use Code	903C
Description	MUNICPAL MDL-94

Land Line Valuation

Size (Acres)	1.1
Depth	0
Assessed Value	$382,900

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
SGN1	SIGN-1 SD W/M			300.00 S.F.&HGT	$7,800	1
FN1	FENCE-4' CHAIN			120.00 L.F.	$800	1

Valuation History

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$5,711,900	$382,900	$6,094,800

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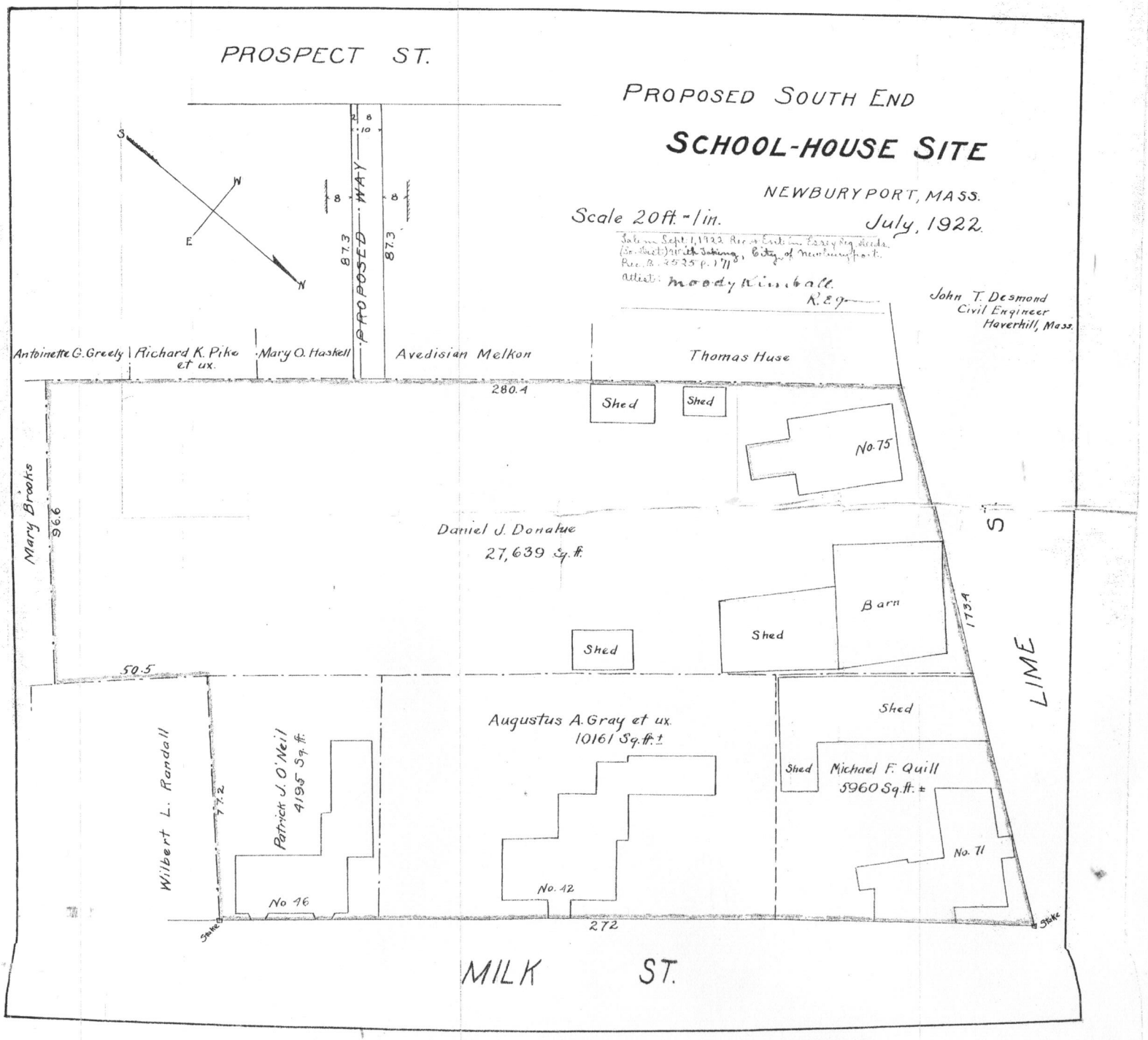

PROSPECT ST.
PROPOSED SOUTH END
SCHOOL-HOUSE SITE
NEWBURYPORT, MASS.
Scale 20ft. - 1 in.
July, 1922.
Sale on Sept. 1, 1922. Rec. & Exhibited in Essex Reg. Deeds
(So. Dist.) 215th Sabins, City of Newburyport.
Rec. B. 3535 P. 171
Attest: moody Kimball
R.E.g.
John T. Desmond
Civil Engineer
Haverhill, Mass.
PROPOSED WAY
87.3
87.3
Antoinette G. Greely
Richard K. Pike et ux.
Mary O. Haskell
Avedisian Melkon
Thomas Huse
280.4
Shed
Shed
No. 75
Mary Brooks
96.6
Daniel J. Donahue
27,639 Sq. ft.
Barn
Shed
Shed
173.4
S
LIME
50.5
Augustus A. Gray et ux.
10161 Sq. ft. ±
Shed
Shed
Michael F. Quill
5960 Sq. ft. ±
Wilbert L. Randall
77.2
Patrick J. O'Neil
4195 Sq. ft.
No. 16
No. 12
No. 71
Stake
272
Stake
MILK ST.

1926 Tax maps

MILK ST.

FRANKLIN ST.

ST

ST.

GEO. W. BROWN SCHOOL

City

48 50

52

54

56

58

HALEY, Thos. C. et ux

4410

Abraham

Agnes C. Collins

Chas. S. Nason

11,220

6200

Asst. McGuirk

Melton Aviation

5800

77

91

7940

95 95 97

WAY 873

2730

99

101

3500

103

1760

47955

Mc Gilton

Poole

11,890

11,330

2990

4780

105 107

M. Morris

Brown

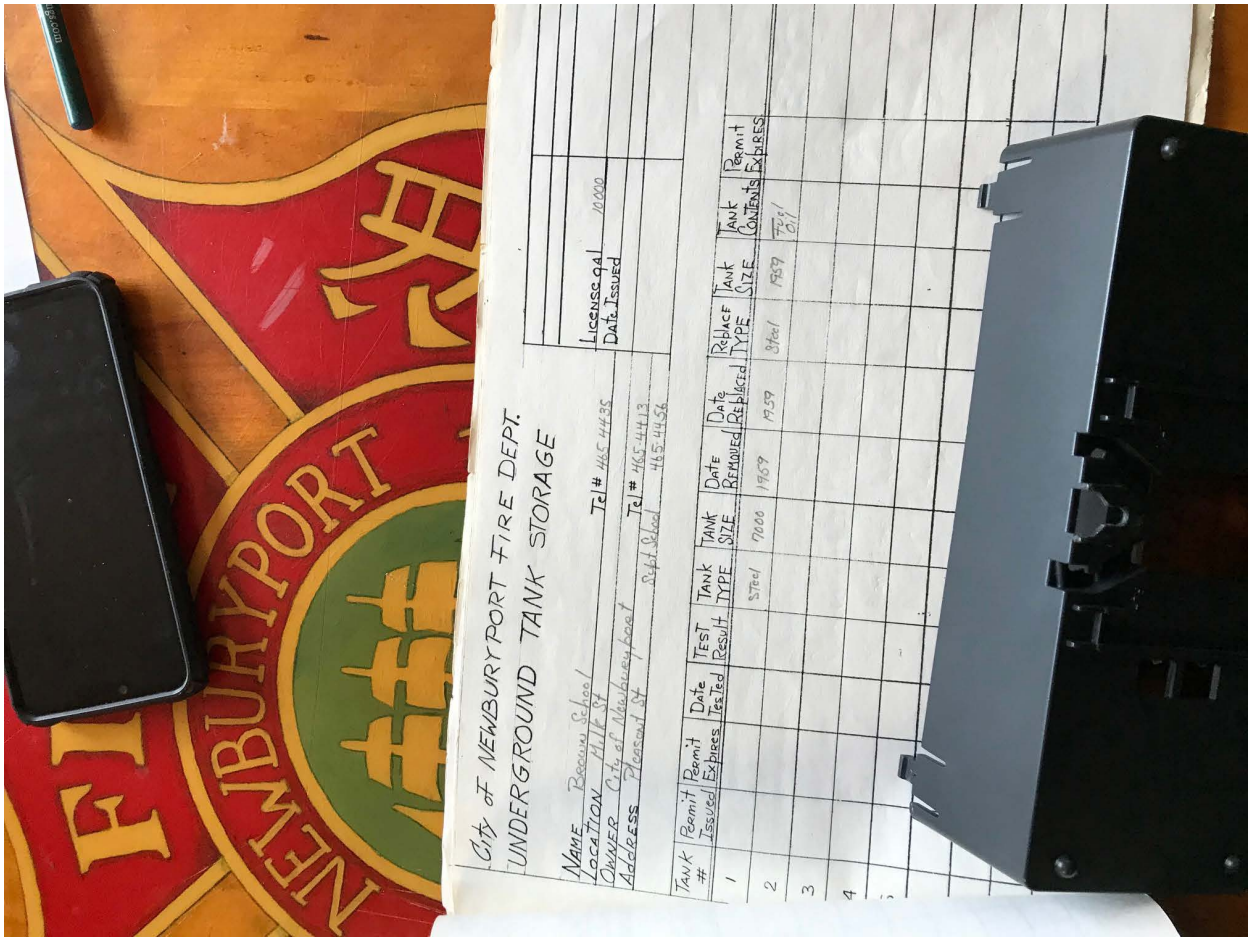
2030

4360

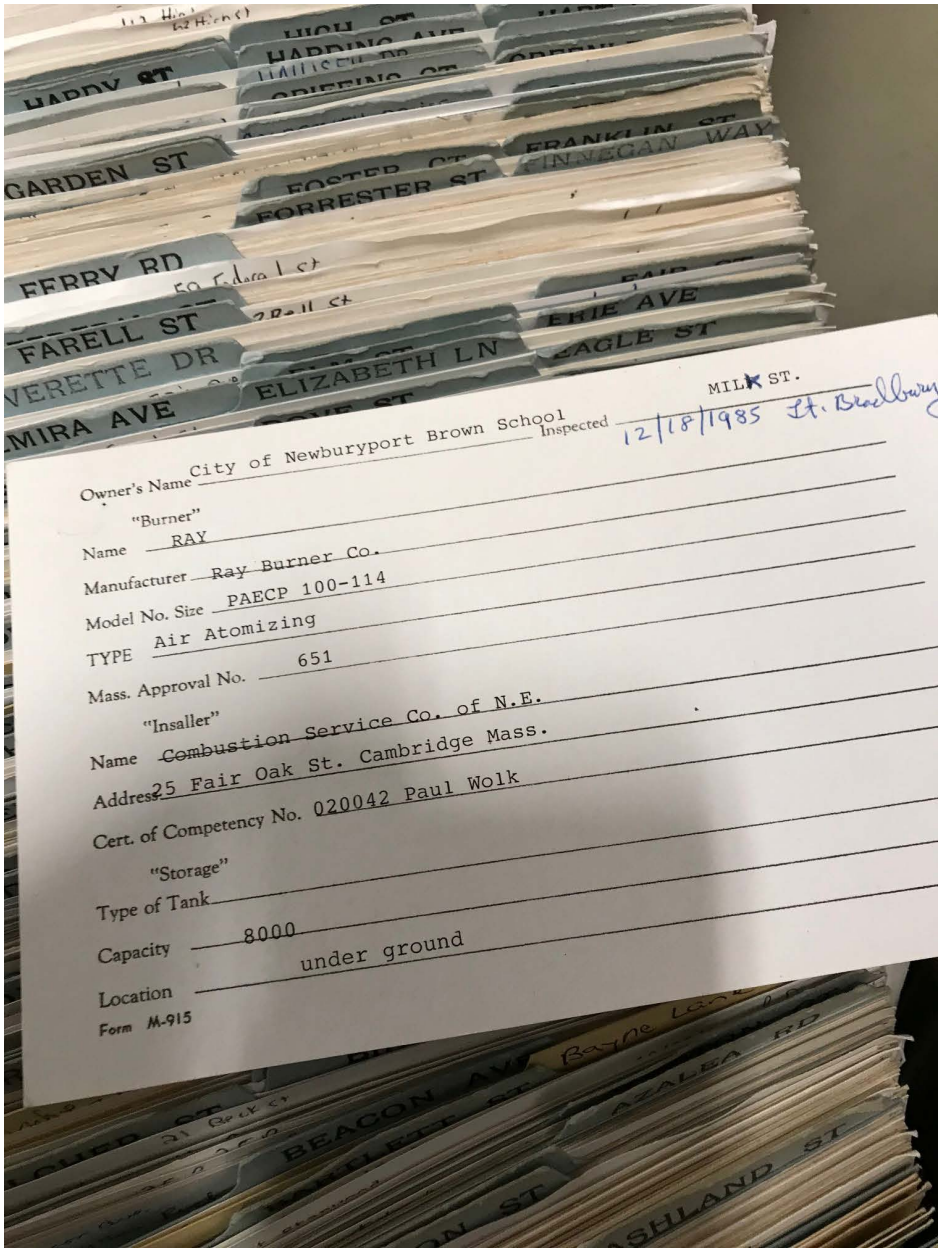
Poutier

From: Steve Bradbury
To: Mara Wentworth
Subject: FW: Tank
Date: Tuesday, January 26, 2021 11:46:31 AM

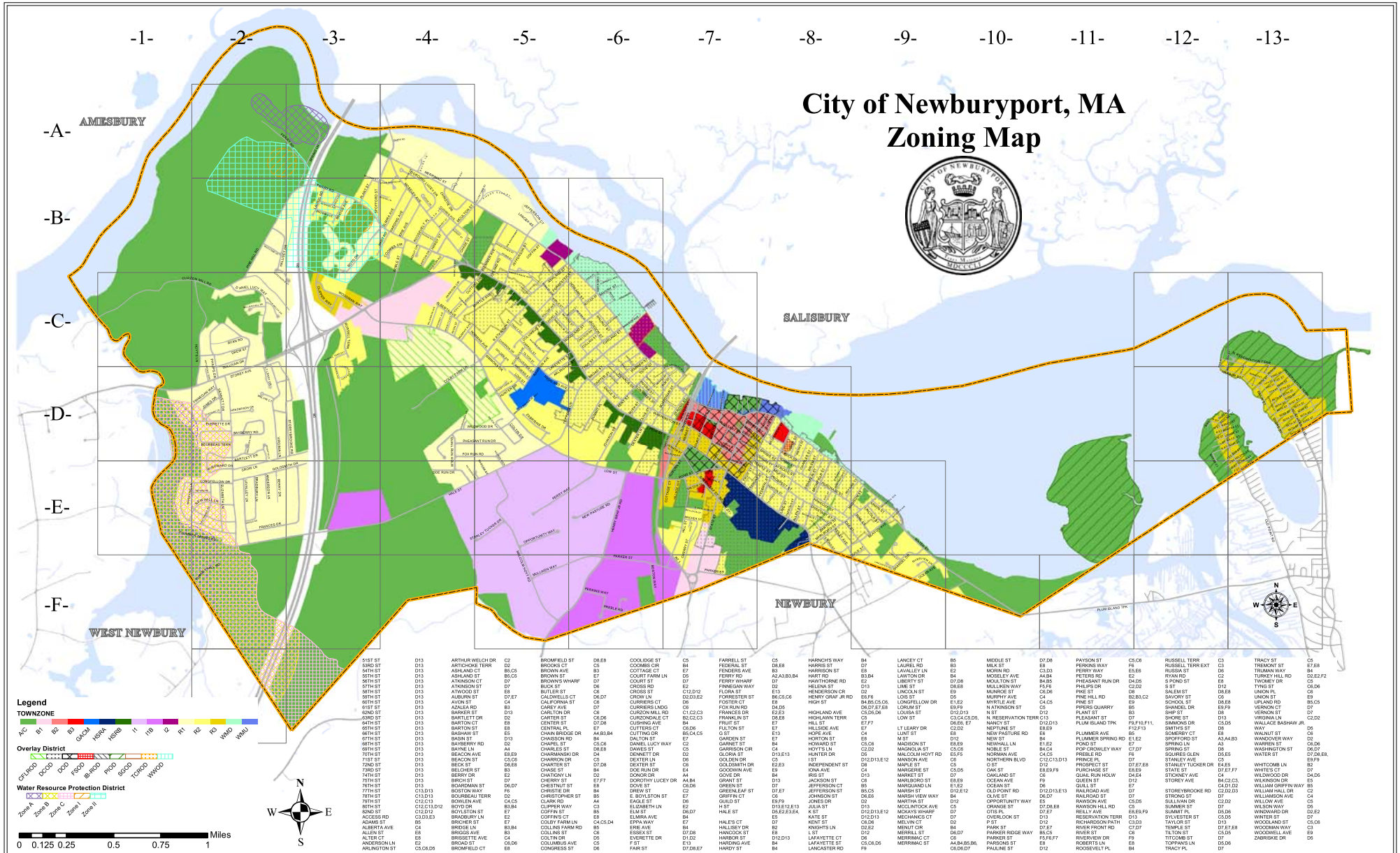
From: Steve Bradbury
Sent: Tuesday, January 26, 2021 11:43 AM
To: Steve Bradbury
Subject: Tank



Sent from my iPhone



City of Newburyport, MA
Zoning Map



Legend

TOWNZONE

A/C B1 B2 B3 GACM HSRA HSRB I1 ITB I2 R1 R2 R3 WMD WMU

Overlay District

CFLROD DCOD DOD FSOD IB-ROD POD SGOD TCROD WWOD

Water Resource Protection District

Zone A Zone B Zone C Zone A Zone II

0 0.125 0.25 0.5 0.75 1 Miles

1ST ST	D13	ARTHUR WELCH DR	C2	BROMFIELD ST	D8,E8	COOLIDGE ST	C5	FARRELL ST	C5	HARNCH'S WAY	B4	LANCEY CT	B5	MIDDLE ST	D7,D8	PAYSON ST	C5,C6	RUSSELL TERR	C3	TRACY ST	C3
3RD ST	D13	ARTICHOKE TERR	D2	BROOKS CT	C5	COOMBS CIR	B4	FEDERAL ST	D8,E8	HARRIS ST	D7	LAUREL RD	B3	MILK ST	E8	PERKINS WAY	F6	RUSSELL TERR EXT	C3	TREMONT ST	E7,E8
5TH ST	D13	ASHLAND CT	B5,C5	BROWN AVE	B3	COTTAGE CT	E7	FENDERS AVE	B3	HARRISON ST	E8	LAVALLEY LN	E2	MORIN RD	C3,D3	PERRY WAY	E5,E6	RUSSIA ST	D6	TRUMAN WAY	B4
5TH ST	D13	ASHLAND ST	B5,C5	BROWN ST	E7	COURT FARM LN	D5	FERRY RD	A2,A3,B3,B4	HART RD	B3,B4	LAWTON DR	B4	MOSELEY AVE	A4,B4	PETERS RD	E2	RYAN RD	C2	TURKEY HILL RD	D2,E2,F2
6TH ST	D13	ATKINSON CT	D7	BROWN'S WHARF	D7	COURT ST	D7	FERRY WHARF	D7	HAWTHORNE RD	E2	LIBERTY ST	D7,D8	MOULTON ST	B4,B5	PHEASANT RUN DR	D4,D5	S POND ST	E8	TWOMEY DR	C5
7TH ST	D13	ATKINSON ST	D7	BUCK ST	D6	CROSS RD	E2	FINNEGAN WAY	D2	HELENA ST	D13	LIME ST	D8,E8	MULLIKEN WAY	F5,F6	PHILIPS DR	C2,D2	S ST	D12	TYNG ST	C6,D6
8TH ST	D13	ATWOOD ST	E8	BUTLER ST	C6	CROSS ST	C12,D12	FLORA ST	E13	HENDERSON CR	D2	LINCOLN ST	E9	MUNROE ST	C6,D6	PIKE ST	D8	SALEM ST	D8,E8	UNION PL	C6
9TH ST	D13	AUBURN ST	D7,E7	CALDWELLS CT	D6,D7	CROW LN	D2,D3,E2	FORRESTER ST	B6,C5,C6	HENRY GRAF JR RD	E6,F6	LOIS ST	D5	MURPHY AVE	C4	PINE HILL RD	B2,B3,C2	SAVORY ST	C6	UNION ST	E9
0TH ST	D13	AVON ST	C4	CALIFORNIA ST	C6	CURRIERS CT	D6	FOSTER CT	E8	HIGH ST	B4,B5,C5,C6,	LONGFELLOW DR	E1,E2	MYRTLE AVE	C4,C5	PINE ST	E9	SCHOOL ST	D8,E8	UPLAND RD	B5,C5
1ST ST	D13	AZALEA RD	B3	CAREY AVE	D7	CURRIERS LNDG	C6	FOX RUN RD	D4,D5		D6,D7,E7,E8	LORUM ST	E8,F9	N ATKINSON ST	C5	PIPERS QUARRY	B5	SHANDEL DR	E8,F9	VERNON CT	D7
2ND ST	D13	BARKER ST	D13	CARLTON DR	C6	CURZON MILL RD	C1,C2,C3	FRANCES DR	E2,E3	HIGHLAND AVE	C5,D5,D6	LOUISA ST	D12,D13	N ST	D12	PLANT ST	B3	SHIP ST	D8	VERNON ST	D7
3RD ST	D13	BARTLETT DR	D2	CARTER ST	C6,D6	CURZONDALE CT	B2,C2,C3	FRANKLIN ST	D8,E8	HIGHLAWN TERR	C5	LOW ST	C3,C4,C5,D5,	N RESERVATION TERR	C13	PLEASANT ST	D7	SHORE ST	D13	VIRGINIA LN	C2,D2
4TH ST	D13	BARTON CT	E8	CENTER ST	D7,D8	CUSHING AVE	B4	FRUIT ST	E7	HILL ST	E7,F7		D6,E6, E7	NANCY ST	D12,D13	PLUM ISLAND TPK	F9,F10,F11,	SIMMONS DR	C5,D5	WALLACE BASHAW JR	
5TH ST	D13	BARTON ST	E8	CENTRAL PL	E7	CUTTERS CT	C6,D6	FULTON ST	E7	HILLSIDE AVE	E7	LT LEARY DR	C2,D2	NEPTUNE ST	E8,E9		F12,F13	SMITH'S ST	D8	WAY	D5
6TH ST	D13	BASHAW ST	E5	CHAIN BRIDGE DR	A4,B3,B4	CUTTING DR	B5,C4,C5	G ST	E13	HOPE AVE	C4	LUNT ST	E8	NEW PASTURE RD	E8	PLUMMER AVE	B5	SOMERBY CT	E8	WALNUT ST	C6
7TH ST	D13	BASIN ST	D13	CHAISSON RD	B4	DALTON ST	E7	GARDEN ST	E7	HORTON ST	E8	M ST	D12	NEW ST	B4	PLUMMER SPRING RD	E1,E2	SPOFFORD ST	A3,A4,B3	WANDOVER WAY	D2
8TH ST	D13	BAYBERRY RD	D2	CHAPEL ST	C5,C6	DANIEL LUCY WAY	C2	GARNET ST	B4	HOWARD ST	C5,C6	MADISON ST	E8,E9	NEWHALL LN	E1,E2	POND ST	E7	SPRING LN	A3	WARREN ST	C6,D6
9TH ST	D13	BAYNE LN	A4	CHARLES ST	D6,E8	DAWES ST	C5	GARRISON CIR	C4	HOYT'S LN	C2,D2	MAGNOLIA ST	C5,C6	NOBLE ST	B4,C4	POP CROWLEY WAY	C7,D7	SPRING ST	D8	WASHINGTON ST	D6,D7
0TH ST	D13	BEACON AVE	E8,E9	CHARMANSKI DR	D4	DENNETT DR	D2	GLORIA ST	D13,E13	HUNTER DR	D5	MALCOLM HOYT RD	E5,F5	NORMAN AVE	C4,C5	PREBLE RD	F6	SQUIRES GLEN	D5,E5	WATER ST	D7,D8,E8,
1ST ST	D13	BEACON ST	C5,C6	CHARRON DR	C5	DEXTER LN	D6	GOLDEN DR	C5	I ST	D12,D13,E12	MANSON AVE	C6	NORTHERN BLVD	C12,C13,D13	PRINCE PL	D7	STANLEY AVE	C5		E9,F9
2ND ST	D13	BECK ST	D8,E8	CHARTER ST	D7,D8	DEXTER ST	C6	GOLDSMITH DR	E2,E3	INDEPENDENT ST	D8	MAPLE ST	C5	O ST	D12	PROSPECT ST	D7,E7,E8	STANLEY TUCKER DR	E4,E5	WHITCOMB LN	B2
3RD ST	D13	BELCHER ST	B3	CHASE ST	B4	DOE RUN DR	E4	GOODWIN AVE	E9	IONA AVE	C4	MARGERIE ST	C5,D5	OAK ST	E8,E9,F9	PURCHASE ST	E8,E9	STATE ST	D7,E7,F7	WHITE'S CT	D7
4TH ST	D13	BERRY DR	E2	CHATIGNY LN	D2	DONOR DR	A4	GOVE DR	B4	IRIS ST	D13	MARKET ST	D7	OAKLAND ST	C6	QUAIL RUN HOLW	D4,E4	STICKNEY AVE	C4	WILDWOOD DR	D4,D5
5TH ST	D13	BIRCH ST	D7	CHERRY ST	E7,F7	DOROTHY LUCEY DR	A4,B4	GRANT ST	D13	JACKSON ST	C6	MARLBORO ST	E8,E9	OCEAN AVE	F9	QUEEN ST	D12	STOREY AVE	B4,C2,C3,	WILKINSON DR	E5
6TH ST	D13	BOARDMAN ST	D6,D7	CHESTNUT ST	E8	DOVE ST	C6,D6	GREEN ST	D7	JEFFERSON CT	B5	MARQUAND LN	E1,E2	OCEAN ST	D6	QUILL ST	E7		C4,D1,D2	WILLIAM GRIFFIN WAY	B5
7TH ST	C13,D13	BOSTON WAY	F6	CHRISTIE DR	B4	DREW ST	C2	GREENLEAF ST	D7,E7	JEFFERSON ST	B5,C5	MARSH ST	D12,E12	OLD POINT RD	D12,D13,E13	RAILROAD AVE	D7	STOREYBROOKE RD	C2,D2,D3	WILLIAM HALL DR	C2
8TH ST	C13,D13	BOURBEAU TERR	D2	CHRISTOPHER ST	B5	E. BOYLSTON ST	E7	GRIFFIN CT	C6	JOHNSON ST	D6,E6	MARSH VIEW WAY	B4	OLIVE ST	D6,D7	RAILROAD ST	D7	STRONG ST	D7	WILLIAMSON AVE	C4
9TH ST	C12,C13	BOWLEN AVE	C4,C5	CLARK RD	A4	EAGLE ST	D6	GUILD ST	E9,F9	JONES DR	D2	MARTHA ST	D12	OPPORTUNITY WAY	E5	RAWSON AVE	C5,D5	SULLIVAN DR	C2,D2	WILLOW AVE	C5
0TH ST	C12,C13,D12	BOYD DR	B3,B4	CLIPPER WAY	C3	ELIZABETH LN	B2	H ST	D13,E12,E13	JULIA ST	D13	MCCLINTOCK AVE	C5	ORANGE ST	D7,D8,E8	RAWSON HILL RD	C5	SUMMER ST	D7	WILSON WAY	D5
2ND ST	C12,D12	BOYLSTON ST	E7	COFFIN ST	B5	ELM ST	D6,D7	HALE ST	D5,E2,E3,E4,	K ST	D12,D13,E12	MCKAYS WHARF	D7	OTIS PL	D7,E7	REELY AVE	E8,E9,F9	SUMMIT PL	D5,D6	WINDWARD DR	D2,E2
ACCESS RD	C3,D3,E3	BRADBURY LN	E2	COFFIN'S CT	E8	ELMIRA AVE	B4		E5	KATE ST	D12,D13	MECHANICS CT	D7	OVERLOOK ST	D13	RESERVATION TERR	D13	SYLVESTER ST	C5,D5	WINTER ST	D7
ADAMS ST	B5	BRICHER ST	E7	COLBY FARM LN	C4,C5,D4	EPPA WAY	E7	HALE'S CT	D7	KENT ST	C6,D6	MELVIN CT	D2	P ST	D12	RICHARDSON PATH	C3,D3	TAYLOR ST	D13	WOODLAND ST	C5,C6
ALBERTA AVE	C4	BRIDGE LN	B3,B4	COLLINS FARM RD	B5	ERIE AVE	B4	HALLISEY DR	B2	KNIGHTS LN	D2,E2	MENUT CIR	B4	PARK ST	D7,E7	RIVER FRONT RD	C7,D7	TEMPLE ST	D7,E7,E8	WOODMAN WAY	C3
ALLEN ST	E8	BRIGGS AVE	B3	COLLINS ST	C6	ESSEX ST	D7,D8	HANCOCK ST	E8	L ST	D12	MERRILL ST	D6,D7	PARKER RIDGE WAY	B5,C5	RIVER ST	C6	TILTON ST	C5,D5	WOODWELL AVE	E9
ALTER CT	E8	BRISSETTE AVE	C4	COLTIN DR	D5	EVERETTE DR	D1,D2	HARBOR ST	D12,D13	LAFAYETTE CT	D6	MERRIMAC CT	C6	PARKER ST	F5,F6,F7	RIVERVIEW DR	F9	TITCOMB ST	D7	ZABRISKIE DR	D5
ANDERSON LN	E2	BROAD ST	C6,D6	COLUMBUS AVE	C5	F ST	E13	HARDING AVE	B4	LAFAYETTE ST	C5,C6,D5	MERRIMAC ST	A4,B4,B5,B6,	PARSONS ST	E8	ROBERTS LN	E8	TOPPANS LN	D5,D6		
ARLINGTON ST	C5,C6,D6	BROMFIELD CT	E8	CONGRESS ST	D6	FAIR ST	D7,D8,E7	HARDY ST	B4	LANCASTER RD	F9		C6,D6,D7	PAULINE ST	D12	ROOSEVELT PL	B4	TRACY PL	D7		

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