PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

For

Fox Hill Elementary School 252 Fox Hill Road Burlington, Massachusetts 01803

Prepared for:

DiNisco Design, Inc. 99 Chauncy Street Boston, Massachusetts 02111

Prepared by:

Environmental & Construction Management Services, Inc. 288 Grove Street #391 Braintree, Massachusetts 02184 (617) 338-2121

April 21, 2023

ECMS Project No. 1009.077

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288 Grove Street #391 Braintree, Massachusetts 02184 Phone: (617) 338-2121 www.ecmsinc.com

April 21, 2023

Mr. Neil Harrigan, AIA DiNisco Design, Inc. 99 Chauncy Street Boston, Massachusetts 02111

Re: Phase I Environmental Site Assessment (ESA)
Fox Hill Elementary School
Burlington, Massachusetts 01803
ECMS Project No. 1009.077

Dear Mr. Harrigan:

Environmental & Construction Management Services, Inc. (ECMS) is pleased to submit this Phase I Environmental Site Assessment report for the above referenced property (the site). The primary purpose of this assessment was to identify recognized environmental conditions ("RECs") in connection with the subject property. Recognized environmental conditions are defined as the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or material threat of a release into structures on the property or into the ground, groundwater, or surface water of the property. It does not include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

In conducting this assessment, *ECMS* followed the E1527-13 American Society for Testing and Materials (ASTM) document entitled "Standard Practices for Environmental Site Assessments: Phase I Environmental Site Assessment Process" for commercial real estate. To the best of our knowledge, this Phase I Environmental Site Assessment report is true and accurate.

Please do not hesitate to contact us at your convenience, should you have any questions or comments regarding this report or our recommendations. It has been a pleasure working with you on this project.

Sincerely,

For Environmental & Construction Management Services, Inc. by

Kevin J. Kavanaugh, L.S.P., CHMM Principal Environmental Engineer

Attachment

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CERTIFICATION OF RESULTS

The assessment was conducted on behalf of and for the exclusive use of *DiNisco Design, Inc.* and all its successors and assigns, solely for use in an environmental evaluation of the Site. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party, in whole or in part, other than *DiNisco Design, Inc.* and all its successors and assigns, without the prior written consent of *Environmental & Construction Management Services, Inc. (ECMS).*

ECMS professional services have been performed, our findings obtained, and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties either expressed or implied. ECMS is not responsible for the independent conclusions, opinions or recommendations made by others based on the records review, site inspection, field exploration, and laboratory test data presented in this report.

Respectfully submitted this 21st day of April 2023.

For Environmental & Construction Management Services, Inc. by

Kevin J. Kavanaugh, L.S.P., CHMM Principal Environmental Engineer

Stephen T. Weydt

Principal Environmental Scientist



EXECUTIVE SUMMARY

Environmental & Construction Management Services, Inc. (ECMS) has performed a Phase I Environmental Site Assessment (ESA) for the Fox Hill Elementary School at 252 Fox Hill Road in Burlington, Middlesex County, Massachusetts 01803 and identified by the Town of Burlington Assessor Office as Parcel Number 9-47-0 (herein after referred to as the Site). This assessment was performed to evaluate the likelihood of a release and/or threat of release of oil and/or hazardous materials at the Site pursuant to the Massachusetts General Law, Chapter 21E (MGL Chapter 21E) and the Massachusetts Contingency Plan (MCP), 310 CMR 40.0000.

The site assessment work described in this report was conducted for *DiNisco Design*, *Inc.* between March 28 and April 21, 2023 in accordance with *ECMS'* proposal number EC23-008 dated February 15, 2023.

The purpose of the investigation was to determine the potential for "environmental contamination" (e.g., petroleum products and/or hazardous materials) to exist on the Site, and the potential for such materials to migrate (or have migrated) onto the Site from nearby activities or adjacent properties. The investigation included inspection of the Site and the exterior of adjacent properties, interviews with Site staff and regulatory officials, review of appropriate Federal, State, and local historical and environmental records.

ECMS has performed this environmental assessment in conformance with the scope and limitations of the ASTM Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process Document E-1527-013 and All Appropriate Inquiry (AAI) Final Rule (effective as of November 1, 2006).

ECMS has performed this environmental assessment for the Fox Hill Elementary School at 252 Fox Hill Road in Burlington, Massachusetts. Any exceptions to or deletions from, this practice are described in Section 1.3 entitled *Limitations and Exceptions of Assessment*.

Findings

A recognized environmental condition (REC) refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment.

• *ECMS* did not identify a *REC* during the course of this assessment.

A controlled recognized environmental condition (CREC) refers to 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. The following was identified during the course of this assessment:



• ECMS did not identify any controlled recognized environmental conditions during the course of this assessment.

A historical recognized environmental condition (HREC) refers to 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. The following was identified during the course of this assessment:

• ECMS <u>did not</u> identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by *ECMS*, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- Two underground storage tanks (USTs) were removed from the Site including one (1) 500-gallon capacity diesel fuel oil UST removed on April 23, 1997 and one (1) 8,000-gallon capacity fuel oil UST removed on July 19, 1999. Based on a review of closure documents provided by the Burlington Health Department (BHD), no residual impacts to soil remained in tank graves and no impacts to groundwater were noted during the UST removals. Based on the lack of impacts to soil or groundwater at the Site, the former USTs do not represent a REC or Vapor Encroachment Condition (VEC) for the Site.
- Based on the age of the Site building (1967) and records provided by the BHD, ACM identified at the Site includes boiler gasket material, blue and gray transite siding, 12-inch by 12-inch floor tile and mastic, wall plaster in the cafeteria, gray tank insulation, breaching insulation, and fitting insulation in the boiler room.
- Due to the age of the Site building, there is a potential that LBP are present. Overall, painted surfaces were observed in good condition.

Conclusions, Opinions and Recommendations

ECMS has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 for the Fox Hill Elementary School at 252 Fox Hill Road in Burlington, Middlesex County, Massachusetts (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of RECs in connection with the subject property; however, environmental issues in connection with the subject property were identified. Based on the conclusions of this assessment, ECMS recommends the following:



- *ECMS* recommends an Operations and Maintenance (O&M) Program be implemented in order to safely manage suspect LBP located at the subject property.
- *ECMS* recommends continued maintenance and inspections of ACM present in the Site building in accordance with the O&M Plan and AHERA regulations. If renovation and/or demolition are to occur at the site, *ECMS* recommends a comprehensive asbestos assessment be performed in accordance with the requirements of 310 CMR 7.15 and 454 CMR 28.
- If off-site disposal of soil is necessary, samples should be analyzed in accordance with the receiving facility's testing requirements. The number of analyses is typically dictated by the total weight or volume of the material to be disposed of, generally one sample for every 500 cubic yards is required. To date, no soil samples have been collected by *ECMS* in an effort to precharacterize site soil and are representative of the anticipated quantity to be excavated. Soil samples should be collected as necessary.

The minimum laboratory analysis of soil samples suspected of being contaminated shall be as follows in accordance with MassDEP Policy# COMM 97-001, Reuse and Disposal of Contaminated Soil at Massachusetts Landfills:

- VOCs by EPA Method 8260
- SVOCs (polyaromatic hydrocarbons fraction only) by EPA Method 8270
- Total Organic Halogen (TOX) by EPA Method 9020B
- Total RCRA-8 Metals by EPA Method 6010
- PCBs by EPA Method 8082

Additional laboratory analysis required by soil disposal or recycling facilities may also include:

- flashpoint/ignitability
- corrosivity
- reactive cyanide and sulfate
- Toxicity Characteristic Leaching Procedure (TCLP)
- Asbestos (if suspect materials are observed)



1.0 INTRODUCTION

1.1 Purpose

This report provides the results of a Phase I Environmental Site Assessment (ESA) performed for the Fox Hill Elementary School located at 252 Fox Hill Road in Burlington, Massachusetts (herein after referred to as the Site). This assessment was performed to evaluate evidence of oil and/or hazardous materials that exist on, or have existed on, the Site and or that may have migrated onto the Site.

In conducting this assessment, *ECMS* followed the E1527-13 American Society for Testing and Materials (ASTM) document entitled "Standard Practices for Environmental Site Assessments: Phase I Environmental Site Assessment Process" for commercial real estate, as well as the All Appropriate Inquires (AAI) Final Rule of November 1, 2006. Any exceptions to, or deletions from, this practice are described in Section 1.4.

The primary purpose of this assessment was to identify recognized environmental conditions (REC) in connection with the subject property. ASTM defines recognized environmental conditions as the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or material threat of a release into structures on the property or into the ground, groundwater, or surface water of the property. The purpose of this practice is to define good commercial and customary practice for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. 9601) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bonafide prospective purchaser limitations on CERCLA liability. practice constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined at 42 U.S.C.

The practice constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined at 42 U.S.C. 9601(35)(B).

As part of the AAI Final Rule, Phase I ESAs must be conducted by or under the supervision of a qualified environmental professional. The AAI Final Rule defines an environmental professional as someone who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases on, at, in, or to a property, sufficient to meet the objectives and performance factors of the rule. 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 specific qualifications based on education, training and experience to assess the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

1.2 Scope of Work

In accordance with the above referenced agreement, *ECMS*' Scope of Work for this Phase I Environmental Site Assessment included the following:

- Site inspection and interviews of knowledgeable key site personnel to document the current and past land use and operations from building types and uses; the location and status of underground and aboveground storage tanks, visual evidence of subsurface or surface contamination, such as areas of visibly distressed vegetation and soil staining; types, quantities, and locations of oil or hazardous materials, including polychlorinated biphenyls (PCBs); and wastes generated, stored or disposed of on or from the Site.
- Review of all available current and historical records to establish the history of the Site and nearby properties for approximately the past 100 years using available federal, state, municipal, private and insurance rate maps; aerial photographs, lists of previous owners or operators or city atlases. A review of title records was not included as part of this investigation.
- Research of technical information concerning the local geologic and hydrologic conditions to determine the likely impact of any actual or potential release on the Site or from neighboring properties and nearby potential environmental receptors such as drinking water supplies, surface water bodies, catch basins and/or detention ponds.
- Review of files held by federal, state and local environmental regulatory agencies for records of past disposal practices; accidental releases, regulatory compliance history, fires, explosions, or other accidents, the status of any current operating or discharge permits; and status of any existing storage tanks.
- Prepare written report for the Site to include site location plan, and pertinent maps, discussions of the Site location and description, site and vicinity history, inspection results, geology and hydrology, and a summary of the environmental regulatory files reviewed.



1.3 Special Terms and Conditions

The site assessment work described in this report was conducted for *DiNisco Design*, *Inc.* between March 28 and April 18, 2023 in accordance with *ECMS'* proposal number EC23-008 dated February 15, 2023.

1.4 Limitations and Exceptions of Assessment

The investigation was based on information sources cited in Appendix A, which included Federal, State and local regulatory agencies and Site contacts; observations of the Site and readily observable portions of adjacent properties from public right-of-ways; review of an electronic database search report; review of Local Agency database information; and a review of available historical records. Qualifications/Limitations to this report are presented in Appendix B.

1.5 User Reliance

This report has been prepared for, and can be relied upon by *DiNisco Design*, *Inc.* Reliance or photocopying of this document by parties other than those designated above or use of this document for purposes other than intended, is prohibited without the prior written consent of *ECMS*.

1.6 Qualifications of Environmental Personnel

In accordance with the requirements of ASTM Standard E1527-13, resumes detailing the relevant experience and qualifications of the Environmental Professionals performing this Phase I Environmental Site Assessment. Resumes are included in Appendix C entitled Qualifications of Environmental Professionals.

2.0 PROPERTY DESCRIPTION

2.1 Location and Legal Description of the Site

The Site is occupied by the Fox Hill Elementary School located at 252 Fox Hill Road in Burlington, Middlesex County, Massachusetts 01803. The Site location is shown on Figure 1 includes both a Site Locus Plan (a section of the USGS Salem Quadrangle) and a Street Location Map of the Site.

The Site is depicted on the 7.5 x 15-minute U.S.G.S. topographic quadrangle for Wilmington, Massachusetts. The Universal Transverse Mercator (UTM) coordinates of the Site within zone 19 are approximately 4,710,625 meters north latitude and 320,257 meters east longitude or 42° 31' 44.58' north latitude and 71° 11' 18.45" west longitude and is at an approximate elevation of 173 feet above mean sea level (amsl).



According to the Town of Burlington Assessor's Office, the Site is identified as Assessor Parcel ID 9-47-0 and consists of 37.9 acres of land improved with one 57,347 square foot building occupied by Fox Hill Elementary School. Other improvements include a 5,632 square foot modular addition for extra classroom space, paved drive and parking areas, playground areas and a baseball field.

For a copy of the Town of Burlington Property Record Card refer to Appendix D of this report.

2.2 Site and Vicinity Characteristics

The Site is currently developed with one irregular shaped building in the central portion of the Site with play areas and an athletic field to the east of the building. A parking area is located to the north of the building. The Site property is located within a residential area.

Residential dwellings and undeveloped wooded land abut the Site to the north, south and east; and residential dwellings abut the Site to the west.

The Site and surrounding properties are shown on Figure 2, Lot Location Plan attached to this report.

None of these surrounding properties are likely to pose a potential recognized environmental concern to the Site.

2.3 Descriptions of Structures, Roads, Other Improvements on the Site

The Site is currently developed with one irregular shaped building occupied by the Fox Hill Elementary School in the central portion of the Site with a playground and athletic field to the east of the building. In addition to the current structure, the Site is improved with a 5,632 square foot modular addition for extra classroom space and a parking area to the north of the building.

Photographs taken during the *ECMS* Site reconnaissance on April 12, 2023 are included as Appendix E.

2.4 Environmental Liens

ECMS did not conduct a review of title records for the Site, therefore, it is not known if there are environmental liens at the Site. However, according to the Environmental Data Resources, Inc. (EDR) database search report dated March 31, 2023, the Site is not currently listed by the Massachusetts Department of Environmental Protection (MassDEP) as a Disposal Site with a Class A-3, Class A-4, Class B-2, or Class B-3 Response Action Outcome (RAO) Statement or a Permanent Solution with Conditions in accordance with the Massachusetts



Contingency Plan (MCP) 310 CMR 40.1000. Therefore, there are no Activity & Use Limitations (AUL's) currently in force at the site.

2.5 Current Uses of the Site

The Site is currently used for school and recreational purposes. The current use of the Site for school and recreational purposes is not an environmental concern.

2.6 Current Uses of Surrounding Properties

The current uses of surrounding properties are residential. None of the uses appear to be an environmental concern to the Site.

2.7 Past Uses of the Site and Vicinity

Historical information was obtained from a review of the following references:

- Town of Burlington Assessor Office for current property record cards;
- Town of Burlington Building Department records;
- Historical Topographical Maps for 1888, 1893, 1915, 1918, 1943, 1944, 1947, 1950, 1965, 1977, 1979, 1987, 1912, 2015 and 2018;
- Historical Aerial Photographs for 1938, 1963, 1965, 1978, 1980, 1986, 1995, 2010, 2014 and 2018; and
- City Directories for 1968, 1970, 1975, 1984, 1989, 1992, 1995, 2000, 2005, 2010, 2014, 2017 and 2020.

According to historical records reviewed, the subject property was vacant, undeveloped land as early as 1888; and developed with the current school building in 1967. The modular classroom situated west of the building was added in 2006. The historical and current use of the Site as a school is not expected to represent a significant environmental concern.

According to historical records reviewed, the Site area appears to have been mostly undeveloped as early as 1888 through 1938 with residential development to the southwest by 1965 with an increase in residential development to the southwest beginning by 1963. The historical and current use of the nearby properties for residential use is not expected to represent a significant environmental concern to the Site.

2.8 Sensitive Receptors

The Site is located in a residential section of Burlington. The Site is considered an *institution*, as defined at 310 CMR 40.0006. There are no other institutions, as defined at 310 CNR 40.0006 to be "any publicly or privately-owned hospital, health care facility, orphanage, nursing home, convalescent home, educational facility, or



correctional facility, where such facility in whole or in part provides overnight housing" within 500 feet of the Site.

The nearest non-culverted surface water body is an unnamed pond and Mill Brook located approximately 770 feet north-northeast of the Site. The Site is classified as a Protected Open Space Area. Wetlands are located in the southern portion of the Site within the boundary of a vernal pool. Estimated habitats of rare wetlands wildlife were not identified within 500 feet of the Site. No other Protected Open Space areas are located within 500 feet of the Site.

The Site is not located within an area classified as an aquifer or non-potential aquifer, a Zone II, well head protection areas, public or private water supplies or Interim Wellhead Protection Area (IWPA).

Refer to Figure 4 for a Map of Priority Habitats of Rare Species, Figure 5 for a Map of Estimated Habitats of Rare Wildlife and Certified Vernal Pools and Figure 6 for a Map of 21E Priority Resources Map.

There are wetlands located on and within a 500-foot radius from the Site. For the location of identified wetlands on the Site refer to Figure 7, Wetlands Map.

Potential human receptors at the Site under the current use include Site workers, construction and utility workers, students, and trespassers.

2.9 Previous Environmental Reports

No previous environmental reports were provided to *ECMS* for review.

3.0 RECORDS REVIEW

ECMS utilized the results of an on-line computer environmental database search of facilities in the vicinity listed by agencies for various reasons. Table 1 presents the databases reviewed and the number of properties identified within the specified search distance with respect to the Site. The search distances specified by the ASTM were the minimum distances used during our search. The EDR Radius Map report with GeoCheck dated March 31, 2023 is contained in Appendix F.



TABLE I FEDERAL AND STATE ENVIRONMENTAL SOURCES							
Standard Environmental Sources	Search Distance	Number of Sites					iles)
			Site	< 1/8	1/8 – 1/4	1/4 - 1/2	1/2 - 1
NPL Sites List	1.0 mile	0	No	0	0	0	1
NPL Delisted Sites List	1.0 mile	0	No	0	0	0	0
CERCLIS List	0.5 mile	0	No	0	0	0	NR
NFRAP	0.5 mile	5	No	0	0	5	NR
RCRA TSD List	0.5 mile	0	No	0	0	0	NR
RCRA Generators List (LQG)	0.25 mile	0	No	0	0	NR	NR
RCRA Generators List (SQG)	0.25 mile	0	No	0	0	NR	NR
RCRA Generators List (VSQG)	0.25 mile	0	No	0	0	NR	NR
RCRA Cor Act	1.0 mile	0	No	0	0	0	0
Federal IC/EC	0.5 mile	0	No	0	0	0	NR
ERNS List	Site	0	No	NR	NR	NR	NR
Tribal Lands	1.0 mile	0	No	0	0	0	0
MassDEP/Tribal Sites List (CERCLA equiv.)	1.0 mile	8	No	0	0	1	7
MassDEP/Tribal LUST List	0.5 mile	5	No	0	0	5	NR
MassDEP/Tribal LAST List	0.5 mile	4	No	0	1	3	NR
MassDEP Spills List	Site	0	No	NR	NR	NR	NR
MassDEP/Tribal Landfill/Solid Waste Disposal Sites List (active & inactive)	0.5 mile	0	No	0	0	0	NR
MassDEP/Tribal Registered UST List	0.25 mile	0	No	0	0	NR	NR
MassDEP/Tribal Registered AST List	0.25 mile	0	No	0	0	NR	NR
MassDEP/Tribal IC	0.50 mile	0	No	0	0	0	NR
MassDEP/Tribal Brownfields	0.5 mile	0	No	0	0	0	NR
MassDEP Asbestos	Site	4	Yes	NR	NR	NR	NR
NR = Not Reported	NR = Not Reported						



3.1 U.S. Environmental Protection Agency (EPA)

CERCLIS and NPL

The EPA tracks sites to be investigated or that are currently being investigated for the threatened or actual release of hazardous substances to the environment. This system is under the jurisdiction of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, also known as Superfund. The CERCLA Information System (CERCLIS) database indicates if a site has been or is being considered for designation on the National Priorities List (NPL). The NPL is the list of abandoned and/or uncontrolled hazardous waste sites identified for priority action under Superfund. To be placed on the NPL, a property must exceed a hazard ranking evaluation, pose a significant threat to health and the environment, and require remedial action. The EPA also tracks the NPL sites that have been delisted from the NPL where no further response is appropriate.

The Site is not listed as either a current or delisted NPL facility or CERCLIS facility. There are no CERCLIS listed properties located within one mile of the Site. There is one NPL facility located within one mile of the Site. The closest NPL listed property is identified as Olin Chemical at 51 Eames Street in Wilmington, Massachusetts, approximately 3,108 feet east of the Site. Olin Chemical manufactured chemicals in 1953 until the facility closed in 1986. Historical wastewater disposal practices were discovered in unlined pits and ponds in the central portion of this facility as well as a man-made excavation on-site. Initial remedial activities included an acid treatment and neutralization system with the installation of new lined lagoons. Subsequent subsurface assessments discovered contamination of soil and groundwater including nearby drinking water wells and wetland areas with a plume of ammonia, chloride, sodium, sulfate, chromium and N-nitrosodimethylamine (NDMA). The edge of the groundwater plume has been delineated and is located over 3,000 feet east of the Site. Based on the distance of known impacts to groundwater this NPL facility not likely to pose an environmental concern to the Site.

NFRAP (No Further Remedial Action Plan)

The EPA maintains a database of archived CERCLA sites where assessment has been completed and a determination has been made that the location is not judged to be a potential NPL property.

The Site is not listed on the NFRAP. There are no NFRAP listed properties located within one-half mile of the Site.

3.2 Resource Conservation and Recovery Act (RCRA) Handlers

The RCRA TSD list includes any operation that transports, stores or disposes of hazardous waste and which must obtain a hazardous waste identification number or



transporter permit. *ECMS* review of the RCRIS Transporters database indicated that the Site was not listed as a RCRA TSD of hazardous waste and there are no RCRA TSD listed facilities located within one-half mile of the Site.

The RCRA COR ACT is a database maintained for management and inventory of RCRA generators, transporters, treaters, storers and disposers of hazardous materials. *ECMS* review of the RCRA COR ACT database indicated that the Site was not listed as a RCRA COR ACT facility and there are no RCRA COR ACT listed facilities located within one-mile of the Site.

The RCRA Generators list includes any operation that generates hazardous waste and which much obtain a hazardous waste generator identification number. The Site is not listed as a RCRA Generator and there are no RCRA Generators located within ½-mile of the Site.

3.3 Massachusetts Department of Environmental Protection (MassDEP)/Tribal Lands SHWS

The MassDEP/Tribal Sites list or equivalent CERCLIS [state hazardous waste sites (SHWS)] contains the names of facilities and/or locations within the state of Massachusetts, which have reported releases of contaminants from petroleum storage systems. This report is maintained by the MassDEP. The Site does not appear on the MassDEP Sites List.

The database identified eight MassDEP Sites listings within a one-mile radius of the subject Site. The closest SHWS is located greater than 1,500 feet from the Site. Based on the distances from the Site, these eight SHWS sites are not expected to represent a significant environmental concern for the Site.

3.4 MassDEP Leaking Underground Storage Tank List (LUST)

The MassDEP maintains this database of releases of oil or hazardous materials from USTs. The Site does not appear on the LUST List and there are no MassDEP LUST sites within a one-half mile radius of the Site.

3.5 MassDEP Leaking Aboveground Storage Tank List (LAST)

The MassDEP maintains this database of releases of oil or hazardous materials from ASTs. The Site does not appear on the LAST List and there are no MassDEP LAST sites within a one-half mile radius of the Site.

3.6 State/Tribal Solid Waste Landfills

The Site does not appear on the Solid Waste Landfill list. There were no properties listed on the Solid Waste Landfill list within a one-half mile radius of the Site.



3.7 Spill Locations

The Site does not appear on the MassDEP Spills list.

No other spills of oil and/or hazardous materials are documented in MassDEP records within a one-quarter mile radius of the Site.

3.8 Emergency Response Notification System (ERNS)

The EPA Emergency Response Notification System (ERNS) list is a list of hazardous material spills. The Site does not appear on the ERNS list.

3.9 State of Massachusetts/Tribal Registered Underground Storage Tanks (RUST) List

This database, maintained by the State of Massachusetts Department of Fire Services, registers locations with either USTs or aboveground storage tanks (ASTs). The Site does not appear on the RUST list. There are no other sites within a 0.25-mile radius of the Site identified on the RUST or the RAST list.

3.10 Historical Automotive Repair or Gasoline Service Stations

According to EDR records there is no historical automobile service station on the Site or within a 1/8-mile radius of the Site.

3.11 Brownfields

The Site is not listed as a Brownfield location. According to the EDR database report, there are no Brownfield listed properties within a one-half mile radius of the Site.

3.12 Municipal and Local Authorities

Information related to environmental responses at the Site was requested from Town of Burlington municipal offices.

Burlington Fire Prevention Department

As of the date of this report, ECMS has not received a response from the Burlington Fire Prevention Office. Refer to information received from the Burlington Health Department pertaining to the use, storage or release of oil or hazardous materials at the Site discussed below.



Burlington Clerk's Office

The Burlington Clerk's Office did not have information pertaining to the use, storage or release of oil or hazardous materials at the Site.

Burlington Health Department

The Burlington Health Department (BHD) Office provided the following information pertaining to the use, storage or release of oil or hazardous materials at the Site.

- The BHD provided *ECMS* with copies of asbestos related documents including a copy of a Commonwealth of Massachusetts Asbestos Notification Form for the removal of five square feet of boiler related asbestos containing materials (ACM) coating in August 1995; copies of Six Month Reinspection Hazard Assessment Summary Sheets dated December 1995, June and December 1996 and June 1997; and a copy of Asbestos Hazard Emergency Response Act (AHERA) Three Year Reinspection Reports prepared by Recon Environmental Corporation dated May 15, 1995 and Levine-Fricke-Recon dated September 14, 1998. ACM identified by LFR included boiler gasket material, blue and gray transite siding, 12-inch by 12-inch floor tile and mastic, wall plaster in the cafeteria, gray tank insulation, breaching insulation, and fitting insulation in the boiler room. Refer to Section 5.3 for further discussion pertaining to ACM at the Site.
- The BHD provided *ECMS* with copies of Material Safety Data Sheets for all cleaning and art and classroom supplies used and stored on-site in accordance with the Right to Know legislation.
- According to a memorandum to Richard Benowitz, Principal of Fox Hill Elementary School from Todd H. Dresser, CHMM, TURP dated December 1, 2003, a sample of the drinking water at a fountain was collected for laboratory analysis for lead and copper on October 27, 2003. According to Mr. Dresser, lead and copper were detected in the sample collected on October 27, 2003 at concentrations of 20 parts per billion (ppb) and 110 ppb, respectively. The concentration of lead exceeded the applicable maximum contaminant level of 5 ppb. A second sample was collected from the fountain after being flushed for five minutes. According to Mr. Dresser, lead and copper were detected at concentrations of 4 ppb and less than 50 ppb, respectively. Based on these analytical data, Mr. Dresser recommended that all drinking water fountains within the school be flushed daily for five minutes prior to students' arrival. Additionally, Mr. Dresser indicated that all drinking water fountains be sampled to determine if elevated lead was present at all drinking water fountains.



- According to an email to Mr. Todd Dresser and Mr. Brian Lockard from Mr. Alex Pancic of Clean Soils Environmental, Ltd. dated August 7, 2000 indicated that the Site was formerly serviced by an on-site septic system that was scheduled to be decommissioned on August 15, 2000.
- Copies of Town of Burlington Hazardous Materials Registration Form dated September 20, 1993 listing the storage of oil in an 8,000-gallon UST installed on December 3, 1967 and located adjacent to the south exterior side of the Site building and 200-gallons of oil in a 200-gallon AST installed in October 17, 1987 and located adjacent to the west exterior side of the Site building. A second Hazardous Materials Registration Form is undated and indicates the storage of duplicating fluid for use in the office and protection clear spray and clear acrylic spray for use during art classes as well as the 8,000-gallon UST. Refer to discussions below for removal of USTs at the Site.
- According to BHD records, two (2) one-gallon plastic containers of waste oil
 were discovered in a trash barrel in the Site parking lot on January 8, 1990.
 One of the containers was open and the contents were released onto the
 pavement in the parking lot. Remedial activities included the application of
 absorbent material.
- According to BHD records, eight quart-sized containers of oil were discovered dumped on the access road behind Fox Hill Road on December 14, 1993. Two (2) of the containers were observed to be ruptured releasing contents to pavement and soil in this area. Remedial activities included the application of absorbent material and removal of approximately 0.5 cubic yards of visibly stained soil for off-site transport and disposal.
- According to BHD records, a release of approximately five- to seven-gallons
 of heating oil was reported as a result of overfilling of an oil tank near the
 loading dock on February 29, 1996. Remedial activities included the
 application of absorbent material and removal of visibly stained soil for offsite transport and disposal.
- On April 23, 1997, the Burlington Fire Prevention Bureau issued a permit for the removal of a 500-gallon capacity UST. *ECMS* reviewed a copy of an Underground Storage Tank Removal and Limited Removal Action report prepared by *Gulf of Main Research Center, Inc. (GMRC)* dated August 18, 1997. According to *GMRC's* report, one 500-gallon No. 2 fuel oil UST was removed from the Site on April 23, 1997. Based on interviews and historical records, it is believed that this UST contained diesel fuel and was associated with an emergency generator. The UST was located adjacent to the west exterior side of the Site building. *GMRC* reported that no holes were observed in the UST once removed and no significant soil staining was observed in surrounding subsurface with the exception of slight staining in the vicinity of the fill pipe.



No sheens were observed on visible groundwater in the UST grave. Approximately 8.78 tons of the impacted soil was stockpiled and later transported off-site for disposal. Four (4) confirmatory soil samples were collected for laboratory analysis for total petroleum hydrocarbons (TPHs). Soil samples identified as SS 101 through SS 104 were collected from the sidewalls of the excavation. *GMRC* did not collect soil samples from the bottom of the excavation since the UST formerly sat on a concrete pad. According to *GMRC*'s report, TPHs were not detected in the three soil samples collected from within the UST grave at concentrations exceeding applicable laboratory reporting limits. *GMRC* concluded that UST removal and soil disposal was conducted under a Limited Removal Action and that site conditions did not trigger a notification requirement to the MassDEP.

ECMS reviewed a copy of an Underground Storage Tank Closure Assessment prepared by Clean Soils Environmental Ltd. (CSE) dated August 10, 1999. According to CSE's report, one (1) 8,000-gallon fuel oil UST installed in approximately 1966 was removed from the Site on July 19, 1999. The UST was formerly located in the vicinity of the loading dock on the southern exterior side of the Site building. During removal of the UST, CSE collected soil samples for field screening of total volatile organic compounds (TVOCs) using a photoionization detector (PID). According to CSE's report, TVOC results ranged from 0.4 to 26.5 parts per million per volume (ppmv). Upon removal, CSE reported that no holes were observed in the UST and no significant soil staining was observed in surrounding subsurface with the exception of slight staining in the vicinity of the fill pipe. This soil was excavated for off-site transport for proper disposal. Of note, CSE indicated that the feed and return lines for the UST were not removed due to a concern for undermining the foundation of the building. In addition, CSE indicated that no sheens were observed on visible groundwater in the UST grave. Three (3) confirmatory soil samples were collected for laboratory analysis for extractable petroleum hydrocarbons (EPHs). Soil samples identified as BOT2, SW6 and FP2 were collected from the bottom and sidewalls of the excavation and from within the vicinity of the fill pipe, respectively. According to CSE's report, EPHs were not detected in the three soil samples collected from within the UST grave or below the former fill pipe at concentrations exceeding applicable laboratory reporting limits. Based on field observations and laboratory analytical data, CSE concluded that no evidence of a release from the former UST was identified.

Based on remedial activities conducted to address spills at the Site, the spill incidents appear to be de minimis in nature and are not expected to represent a significant environmental concern to the Site. Additionally, based on the removal of the former USTs combined with analytical data, the former USTs at the Site are not expected to represent an environmental concern to the Site.



Burlington Conservation Commission

The Burlington Conservation Commission Office did not have information pertaining to the use, storage or release of oil or hazardous materials at the Site.

Burlington Building Department

According to Burlington Building Department (BBD) records, the Site building was constructed in 1967. The Burlington Building Department Office did not have information pertaining to the use, storage or release of oil or hazardous materials at the subject property with the exception of a depiction of a buried diesel oil storage tank on a Site Plan showing utilities dated September 17, 1965. Other documents indicated that asbestos removal was conducted in 1989. Refer to the BHD summary above and Section 5.3 for additional discussion pertaining to ACM.

3.13 Tier 1 Vapor Encroachment Screening

ECMS performed a Tier 1 Vapor Encroachment Screening in compliance with ASTM E 2600-10 "ASTM Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions" as amended. The purpose of the Tier 1 Vapor Encroachment Screening is to conduct an initial screen to determine if a Vapor Encroachment Condition (VEC) exists in connection with the Site. A VEC is defined as the presence or likely presence of chemical of concern vapors in the subsurface of the Site caused by the release of vapors from contaminated soil or groundwater either on or near the Site.

ECMS reviewed standard environmental record sources to identify if there are known or suspected sources of contamination within the area of concern. According to ASTM E 2600-10, the area of concern is defined by the approximate minimum search distance which is based upon the chemical of concern (i.e., petroleum hydrocarbons vs. non-petroleum hydrocarbons) and the location of a known or suspected source of contamination with respect to the Site.

According to ASTM E 2600-10 8.2.1 "The area of concern is one third of a mile around the Site, unless the use of a shorter distance is appropriate". In addition, according to ASTM E 2600-10 8.3.1, "The approximate minimum search distance may be expanded or reduced in the up-gradient, down-gradient, and/or cross-gradient directions by the environmental professional conducting the Vapor Encroachment Screening based upon experience in the local area." Given that there were no properties of concern for vapor release to the Site nearby, the minimum search distances were not expanded or reduced. Unless otherwise stated, groundwater flow/gradient is approximated based on surface topography.

Based on a review of the EDR regulatory database report, the Site is not identified with any spills or releases. Two (2) USTs were removed from the Site including one



(1) 500-gallon capacity No. 2 fuel oil UST removed on April 23, 1997 and one (1) 8,000-gallon capacity fuel oil UST removed on July 19, 1999. Based on a review of closure documents provided by the BHD, no residual impacts to soil remained in tank graves and no impacts to groundwater were noted during the UST removals. Based the lack of impacts to soil or groundwater at the Site, there does not exist a potential environmental concern with respect to a VEC for the Site.

ECMS was not provided information from the user, current landowner or key site manager regarding specialized knowledge or experience or commonly known or reasonably ascertainable information within the local community about the Site that is material to the assessment of a VEC in connection with the Site.

According to the EDR database report, one property was identified with a documented release at a location nearby and potentially upgradient from the Site. Based on remedial activities, lack of documented impact to soil or groundwater and regulatory oversight and closure, this release is not expected to represent a recognized environmental condition or VEC in connection with the Site.

Refer to Appendix G, Environmental Data Resources, Inc. (EDR) Vapor Encroachment Screen Report dated April 18, 2023.

3.14 Unmapped Sites

There are three non-geocoded (unmapped or orphaned sites) facilities listed in the Environmental Data Resources report. When possible, the properties within 500 feet of the Site were located during *ECMS*' Site reconnaissance. One identifiable unmapped facility representing conditions indicative of releases of oil and/or hazardous substances or potential releases of oil and/or hazardous substances near the Site was identified during this investigation.

Sumner Street @ Fox Hill Road at Sumner Street is listed as an Unmapped Site and is identified as a SHWS site. ECMS reviewed a Permanent Solution Statement report prepared by Jewel Environmental Corporation (JEC) dated April 2020. According to JEC's report, the MassDEP was notified on February 13, 2020 of a release of approximately 40 gallons of hydraulic oil from a ruptured hydraulic line on a trash pickup truck. The MassDEP subsequently issued the Release Tracking Number 3-0036136 to the release. According to JEC's report, the hydraulic oil impacted road surfaces along Sumner Street and Fox Hill Road and due to rain also impacted nearby catch basins along Sumner Street. Remedial activities included the application of absorbent materials along impacted roadway pavement and the skimming of oil from catch basins using a vacuum truck. Following the remedial activities, impacted areas were inspected and found to be clean with no sign of cracks or holes or other conduits to the subsurface. Based on the remedial activities and lack of impact to subsurface media, JEC concluded that site conditions met requirements of regulatory closure under a Permanent Solution. Based on a site plan



prepared by *JEC*, the closest extent of impact to roadway surfaces was approximately 447 feet southwest of the Site. Based on remedial activities, distance from the Site, lack of impact to groundwater and regulatory oversight and closure, RTN 3-0036136 is not expected to represent a significant environmental concern for the Site.

No other identifiable unmapped facilities representing conditions indicative of releases of oil and/or hazardous substances or potential releases of oil and/or hazardous substances on, at, in or to the Site were identified during this investigation.

4.0 INFORMATION FROM THE SITE RECONNAISSANCE

Ms. Cheryl A. Cambria, Environmental Professional for *ECMS*, visited the Site on April 12, 2023. Mr. Kevin Baker, maintenance personnel for the Site, accompanied Ms. Cambria during the Site visit. Mr. Baker is considered to be a "Knowledgeable Person". The reconnaissance was conducted to observe any condition indicative of the release or threat of a release of oil or hazardous substances on, at, in or to the Site. Refer to Appendix E for Photographs taken on April 12, 2023.

The ASTM 1527-13 User Questionnaire was provided to Mr. Bob Cunha, Director of Operations for Burlington Public Schools and person most familiar with this property. As of the date of this report, the User Questionnaire has not been returned to *ECMS*. A copy of this ASTM 1527-13 User Questionnaire is attached as Appendix H of this report.

Information gained in the interview if known and pertinent was included in the following sections of the report. The reconnaissance was conducted to observe any evidence of the release or threat of a release of oil or hazardous materials. Observations made during the Site visit are summarized below.

4.1 Hazardous Materials Storage and Disposal

Small quantities of building maintenance supplies were observed during the site reconnaissance on April 12, 2023. These materials appeared to be properly labeled and stored with no spills or releases observed. Based on the nature of use, overall small quantities observed, these materials are not expected to represent a significant environmental concern to the Site.

4.2 Solid Waste Disposal

No areas that were apparently filled or graded by non-natural causes suggesting trash or other solid waste disposal.

Republic Services picks up solid waste from a commercial dumpster located on the southern exterior side of the Site building.



4.3 Storage Tanks

According to the EDR report database there are no current underground storage tanks (USTs) located on the Site. No obvious visual evidence (vent pipes, fill pipes of USTs) was observed on April 12, 2023.

4.4 Polychlorinated Biphenyls (PCBs)

PCBs were commonly used as insulating and cooling fluids in electrical equipment, including transformers, ballasts and capacitors as well as in hydraulic fluids such as elevator equipment. The Site building is not equipped with hydraulic passenger elevator(s).

One pad-mounted transformer was observed on the Site. The transformer is labeled as non-PCB containing. No staining or leakage was observed in the vicinity of the transformer. NStar Electric maintains ownership and operational responsibility for the transformer. Based on the good condition of the equipment and non-PCB labeling, the transformer is not expected to represent a significant environmental concern.

Fluorescent light fixtures were observed in the Site building. The lighting fixtures appeared to be in good condition. All ballasts should be inspected and disposed of in accordance with federal, state, and regional requirements.

Based upon field observations, the age of the improvements on-Site, and information obtained, the potential for on-Site PCB contamination resulting from leaks or spills of electrical or hydraulic equipment utilizing PCB-containing fluids appears minimal.

4.5 Electromagnetic Fields (EMFs)

There are no overhead high voltage transmission lines, microwave towers, or antennas located on the subject Site.

4.6 Groundwater Wells

ECMS did not observe groundwater monitoring wells at the time of the Site reconnaissance on April 12, 2023.

4.7 Landfills, Pits, Sumps

The Underground Injection Control (UIC) program protects drinking water by regulating discharges to the ground via injection wells such as dry wells, septic systems tied to industrial processes, and other subsurface leaching systems. Pursuant to UIC regulations (310 CMR 27.00), where the potential exists for pollutants to enter an injection well (e.g. by means of a floor drain) and the presence of the pollutants causes



or may cause a violation of any Massachusetts Drinking Water Regulation or adversely affects or may adversely affect public health, the use of the well is prohibited. With the exception of discharges authorized under the Department's Ground Water Discharge Permit program, the Department considers this prohibition to include the use of any injection well at facilities which have in the past or currently use, store, or otherwise manage hazardous materials and/or wastes as defined in 310 CMR 30.000 and 310 CMR 40.0000. This Notice is not applicable to any facility where the floor drain is connected to a Municipal Sewer System. ECMS did observe one floor drains in the kitchen area in the Site building. According to Mr. Baker, the Site building is connected to the Town of Burlington sanitary sewer system.

ECMS personnel did not observe any additional evidence of landfills, pits, or sumps at the Site.

4.8 Dry Cleaning Operations

No evidence of current or historical dry-cleaning operations at the Site was identified during this assessment.

4.9 Chlorofluorocarbons as Coolants (CFCs)

The cooler located in the kitchen area is serviced by a Freon-fueled compressor. This unit does not appear to contain R-22 Freon. Should any refrigerant waste ever be identified as CFC-containing and need to be disposed of it should be handled properly by licensed subcontracted personnel.

4.10 Hydrology and Geology of the Site Vicinity

The nearest non-culverted surface water body, an unnamed pond and tributary to the Mill Brook, is located approximately 770 feet north-northeast of the Site.

The Site is situated in within the Seaboard Lowland section of the New England physiographic province of the State of Massachusetts. Based on a review of the Bedrock Geologic Map of Massachusetts (Zen, 1983), the uppermost geologic formation underlying the soils at the Site is a Silurian or Ordovician age Andover Granite consisting of light- to medium-gray, foliated, medium- to coarse-grained muscovite-biotite granite.

The Site topography slopes from the southwest toward the north-northeast. The majority of the lot is unpaved, with grassy areas with wooded areas in the southeastern portion and with a vernal pool and associated with wetlands located in the southeastern portion.

Information specific to the Site regarding the depth to groundwater and direction of groundwater flow was not available for the Site. However, according to topographic



interpretation and on-Site water features, depth to groundwater is anticipated between 10 to 20 feet below ground surface and flow is inferred to the north-northeast.

According to information obtained from the United States Department of Agriculture National Resources Conservation Service Web Soil Survey, soil at the Site is mapped as a mixture of Charlton-Hollis-Rock Outcrop complex, Rock Outcrop-Hollis complex, Montauk fine sandy loam, Paxton fine sandy loam, Scituate fine sandy loam, Paxton-Urban land complex and Udorthents-Urban land complex. The Charlton-Hollis-Rock Outcrop complex consists of well drained, fine sandy loam overlying sandy loam and gravelly sandy loam with slopes ranging from 15 to 25 percent. The Rock Outcrop-Hollis complex consists of well drained fine sandy loam overlying weathered bedrock. The Montauk complex consists of well drained moderately decomposed plant material overlying fine sandy loam, sandy loam and gravelly loamy sand with slopes ranging from zero to 15 percent. The Paxton complex consists of well drained moderately decomposed plant material overlying fine sandy loam and gravelly fine sandy loam with slopes ranging from zero to eight percent. The Scituate complex consists of well drained fine sandy loam overlying loamy fine sand and gravelly loamy sand with slopes ranging from three to eight percent. The Paxton-Urban land complex consists of well drained fine sandy loam overlying gravelly fine sandy loam with slopes ranging from three to 15 percent. The Udorthents-Urban land complex consists of excavated and filled land.

5.0 ADDITIONAL ENVIRONMENTAL CONSIDERATIONS

Section 12 of the ASTM Standard E 1527 discusses "Non-Scope Considerations" outside the scope of "appropriate inquiry" as defined by their ESA standard practice. That is, certain environmental issues or considerations may be present on-Site that may lead to contamination of the property or nearby properties but are not included in the CERCLA definition of hazardous substances nor otherwise present CERCLA liability.

Therefore, as a part of our assessment, *ECMS* addressed several additional issues beyond the scope of the ASTM "Standard Practice" as requested by our client. These additional issues included the following sections.

5.1 Radon

Radon is a colorless, odorless gas produced by the radioactive decay of uranium. The most common sources of radon are igneous and metamorphic rocks, containing uranium (e.g., pitchblende), granite, shale and phosphate, as well as soils/sediments derived from such "parent materials." Radon may also be found in soils contaminated with certain industrial wastes (e.g., uranium or phosphate mine tailings) or in earth-derived building products that contain such industrial wastes (bricks or concrete-containing phosphate slag).



Based upon information provided by the United States Environmental Protection Agency (USEPA), the predicted average indoor radon screening level in Middlesex County is greater than 4.0 Pico Curies per liter (pCi/L). The USEPA Action Level is 4.0 pCi/L for radon and Middlesex County has 26% of Sites with greater than 4.0 pCi/L. Site specific testing for radon would be necessary to determine that actual level at the Site.

Since there is no residential use on the property, radon was not deemed an environmental concern and was not tested.

5.2 Lead-Based Paint (LBP)

Based on the age of the Site building (1967), there is a potential that LBP is present. Painted surfaces appeared to be in good condition. Actual material samples would be required in order to determine if LBP is present.

5.3 Asbestos Containing Materials (ACMs)

Based on the age of the Site building (1967) and records provided by the BHD, ACM identified at the Site includes boiler gasket material, blue and gray transite siding, 12-inch by 12-inch floor tile and mastic, wall plaster in the cafeteria, gray tank insulation, breaching insulation, and fitting insulation in the boiler room.

5.4 Floodplain Management

According to the Flood Insurance Rate Map for the Site, Community Panel Numbers 25017C0289E and 25017C0293E dated June 4, 2010, the majority of the Site is located in Zone X, an area of minimal food hazard. One area on the southern portion of the Site (shown on CPN 25017C0293E) in the area classified as a vernal pond is located in Zone X, Other Flood Areas or an area of 0.2 percent Annual Chance Flood Hazard, Areas of 1 percent annual chance flood with average depth less than one foot or with drainage areas of less than one square mile. Refer to Figure 8 for a copy of the National Flood Hazard Layer Firmette.

5.5 Coastal Barrier Resources

The Site is not located within an area considered to be a Coastal Barrier Resource.

5.6 Coastal Zone Management

The Site is not located within an area designated as a Coastal Zone.

5.7 Sole Source Aquifers

The Site is not located within an area classified as a Sole Source Aquifer.



5.8 Airport Clear Zones

The Site is not located within an Airport Clear Zone.

5.9 Regulatory Compliance

ECMS performed a cursory compliance review of site operations for potential areas of noncompliance. Based upon a review of available records and current site operations, *ECMS* did not identify required environmental permits and/or violations. It should be noted that the cursory review conducted is not intended to be a compliance audit or compliance statement.

5.10 Off-site Soil Disposal Sampling Requirements

If off-site disposal of soil is necessary, samples should be analyzed in accordance with the receiving facility's testing requirements. The number of analyses is typically dictated by the total weight or volume of the material to be disposed of, generally one sample for every 500 cubic yards is required. To date, no soil samples have been collected by *ECMS* in an effort to precharacterize site soil and are representative of the anticipated quantity to be excavated. Soil samples should be collected as necessary.

The minimum laboratory analysis of soil samples suspected of being contaminated shall be as follows in accordance with MassDEP Policy# COMM 97-001, Reuse and Disposal of Contaminated Soil at Massachusetts Landfills:

VOCs by EPA Method 8260 SVOCs (polyaromatic hydrocarbons fraction only) by EPA Method 8270 Total Organic Halogen (TOX) by EPA Method 9020B Total RCRA-8 Metals by EPA Method 6010 PCBs by EPA Method 8082

Additional laboratory analysis required by soil disposal or recycling facilities may also include:

flashpoint/ignitability corrosivity reactive cyanide and sulfate Toxicity Characteristic Leaching Procedure (TCLP) Asbestos (if suspect materials are observed)



6.0 CONCLUSIONS AND RECOMMENDATIONS

ECMS has performed this environmental assessment in conformance with the scope and limitations of the ASTM Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process Document E-1527-13. The ASTM Phase I Site Assessment Standard (ASTM E1527-13) has been updated to the requirements of EPA's All Appropriate Inquiry (AAI) Final Rule (effective as of November 1, 2006). ECMS has performed this environmental assessment for the Fox Hill Elementary School at 252 Fox Hill Road in Burlington, Massachusetts. Any exceptions to or deletions from this practice are described in Section 1.3 entitled Limitations and Exceptions of Assessment. This assessment has revealed the following:

A recognized environmental condition (REC) refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment.

• ECMS did not identify a REC during the course of this assessment.

A controlled recognized environmental condition (CREC) refers to 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. The following was identified during the course of this assessment:

• ECMS <u>did not</u> identify any controlled recognized environmental conditions during the course of this assessment.

A historical recognized environmental condition (HREC) refers to 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. The following was identified during the course of this assessment:

• *ECMS* did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by *ECMS*, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

• Two underground storage tanks (USTs) were removed from the Site including one (1) 500-gallon capacity diesel fuel UST removed on April 23, 1997 and one (1) 8,000-gallon capacity fuel oil UST removed on July 19, 1999. Based on a review of closure documents provided by the Burlington Health Department (BHD), no residual



impacts to soil remained in tank graves and no impacts to groundwater were noted during the UST removals. Based on the lack of impacts to soil or groundwater at the Site, the former USTs do not represent a REC or VEC for the Site.

- Based on the age of the Site building (1967) and records provided by the BHD, ACM identified at the Site includes boiler gasket material, blue and gray transite siding, 12-inch by 12-inch floor tile and mastic, wall plaster in the cafeteria, gray tank insulation, breaching insulation, and fitting insulation in the boiler room.
- Due to the age of the Site building, there is a potential that LBP are present. Overall, painted surfaces were observed in good condition.

Conclusions, Opinions and Recommendations

ECMS has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of the Fox Hill Elementary School at 252 Fox Hill Road in Burlington, Middlesex County, Burlington, Massachusetts (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of RECs in connection with the subject property; however, environmental issues in connection with the subject property were identified. Based on the conclusions of this assessment, ECMS recommends the following:

- *ECMS* recommends an Operations and Maintenance (O&M) Program be implemented in order to safely manage suspect LBP located at the subject property.
- *ECMS* recommends continued maintenance and inspections of ACM present in the Site building in accordance with the O&M Plan and AHERA regulations. If renovation and/or demolition are to occur at the site, *ECMS* recommends a comprehensive asbestos assessment be performed in accordance with the requirements of 310 CMR 7.15 and 454 CMR 28.
- If off-site disposal of soil is necessary, samples should be analyzed in accordance with the receiving facility's testing requirements. The number of analyses is typically dictated by the total weight or volume of the material to be disposed of, generally one sample for every 500 cubic yards is required. To date, no soil samples have been collected by *ECMS* in an effort to precharacterize site soil and are representative of the anticipated quantity to be excavated. Soil samples should be collected as necessary.

The minimum laboratory analysis of soil samples suspected of being contaminated shall be as follows in accordance with MassDEP Policy# COMM 97-001, Reuse and Disposal of Contaminated Soil at Massachusetts Landfills:



- Volatile VOCs by EPA Method 8260
- SVOCs (polyaromatic hydrocarbons fraction only) by EPA Method 8270
- Total Organic Halogen (TOX) by EPA Method 9020B
- Total RCRA-8 Metals by EPA Method 6010
- PCBs by EPA Method 8082

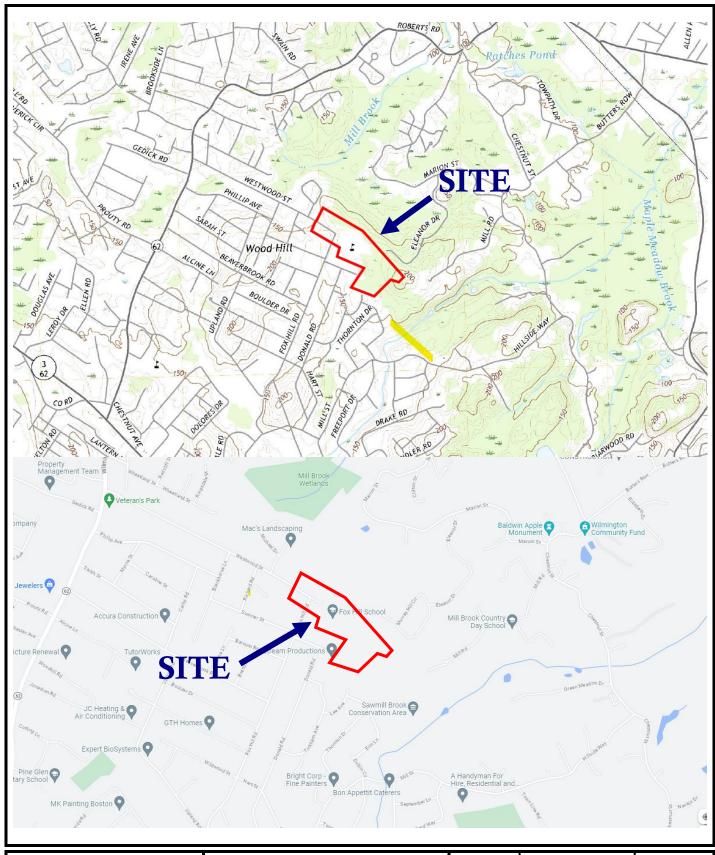
Additional laboratory analysis required by soil disposal or recycling facilities may also include:

- flashpoint/ignitability
- corrosivity
- reactive cyanide and sulfate
- Toxicity Characteristic Leaching Procedure (TCLP)
- Asbestos (if suspect materials are observed)



FIGURES





Fox Hill Elementary School 252 Fox Hill Road Burlington, Massachusetts 01803



Project No. 1009.077

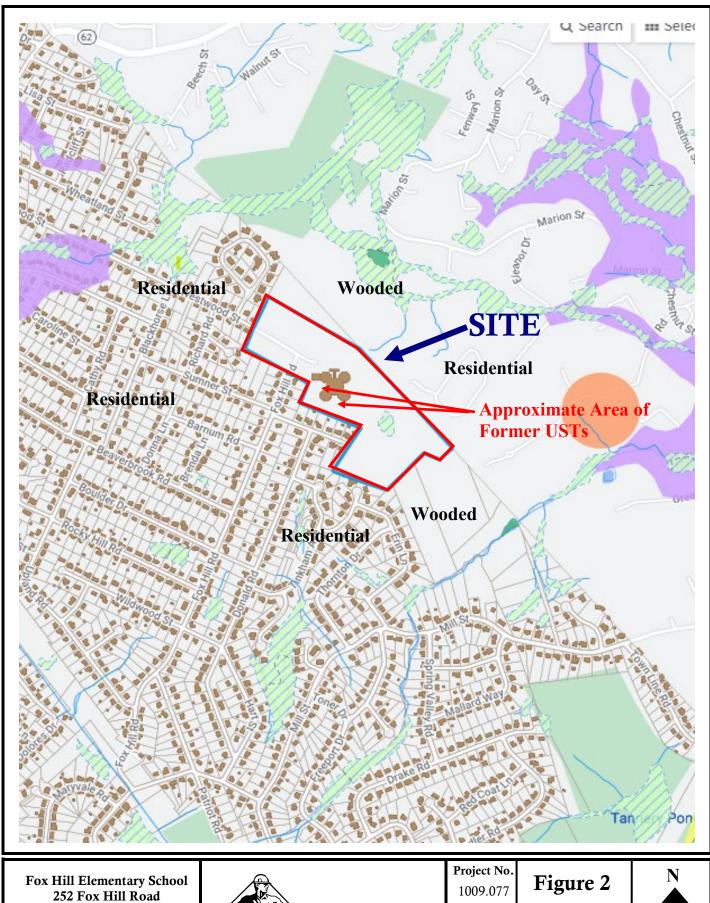
Figure 1

Site Locus / Street Location Plan

Drawn By: CAC

Date: 4/18/23





252 Fox Hill Road Burlington, Massachusetts 01803

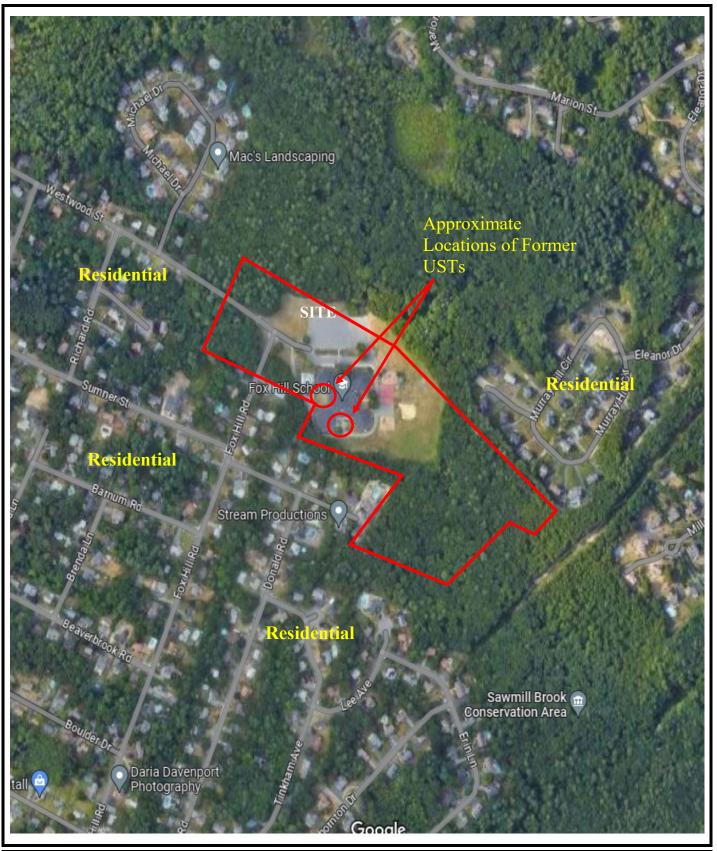


Lot Location Plan

Drawn By: CAC

Date: 4/18/23







Project No. 1009.077

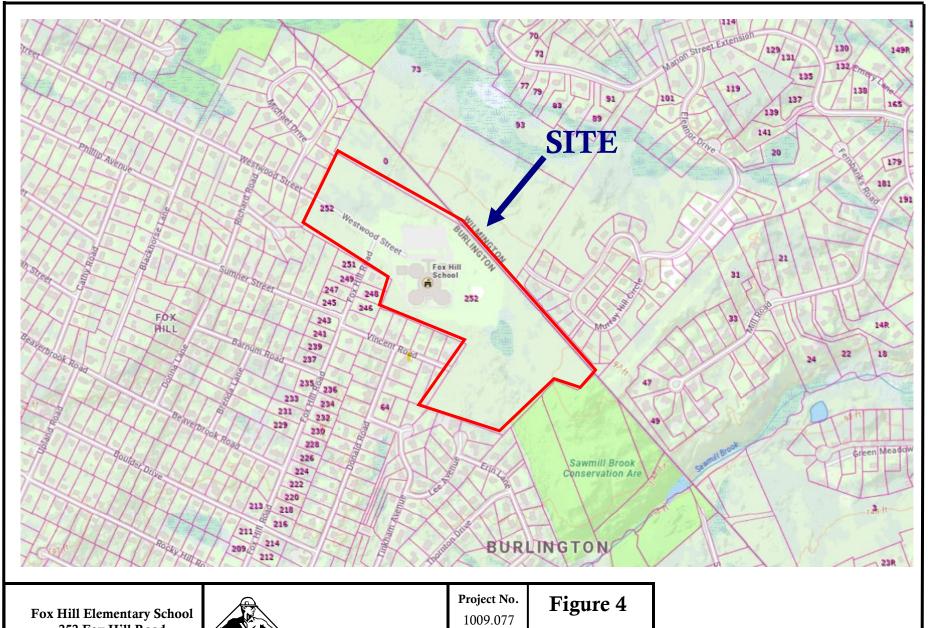
Figure 3

Aerial Photograph Site Location Plan

Drawn By: CAC

Date: 9/20/20



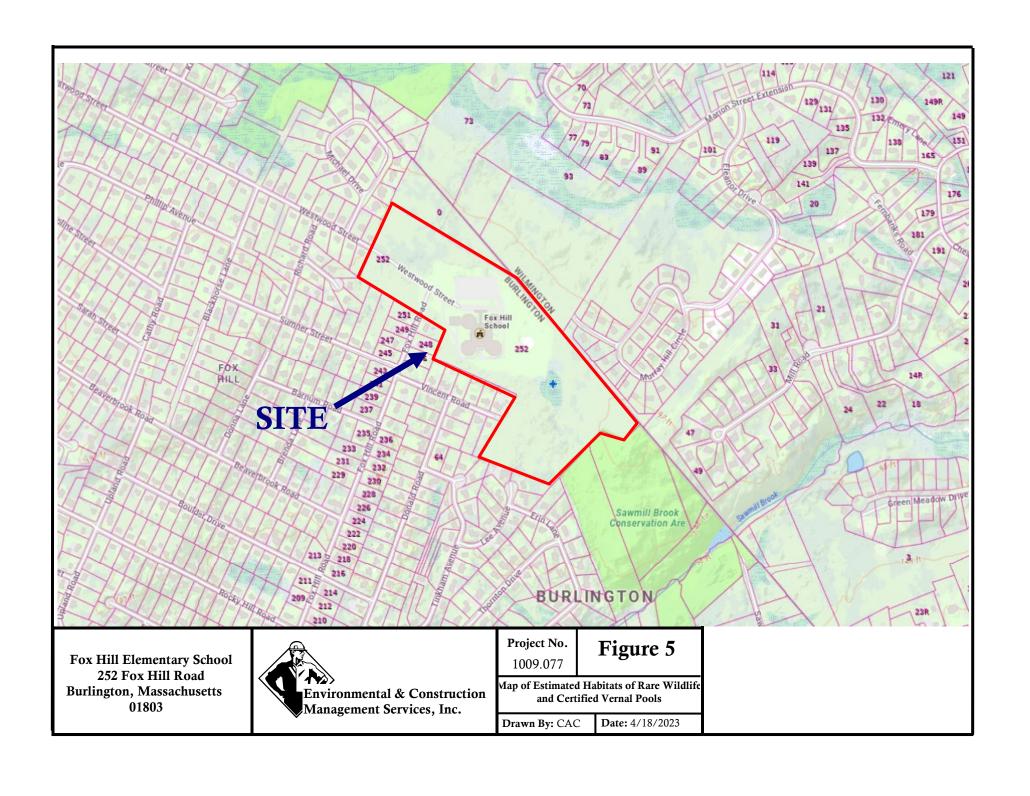


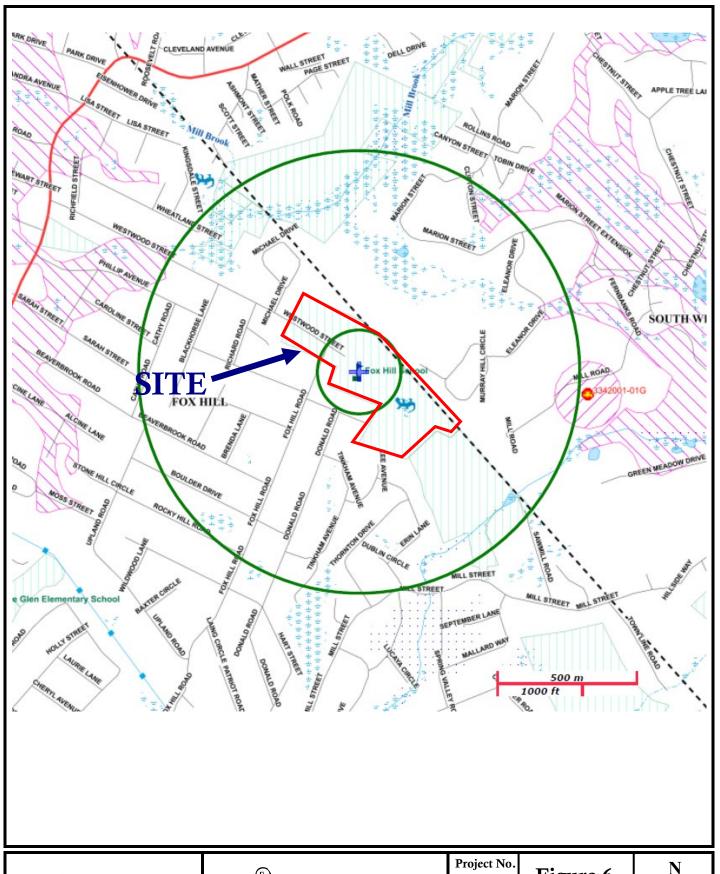


Priority Habitats of Rare Species Plan

Drawn By: CAC

Date: 4/18/2023







Project No. 1009.077

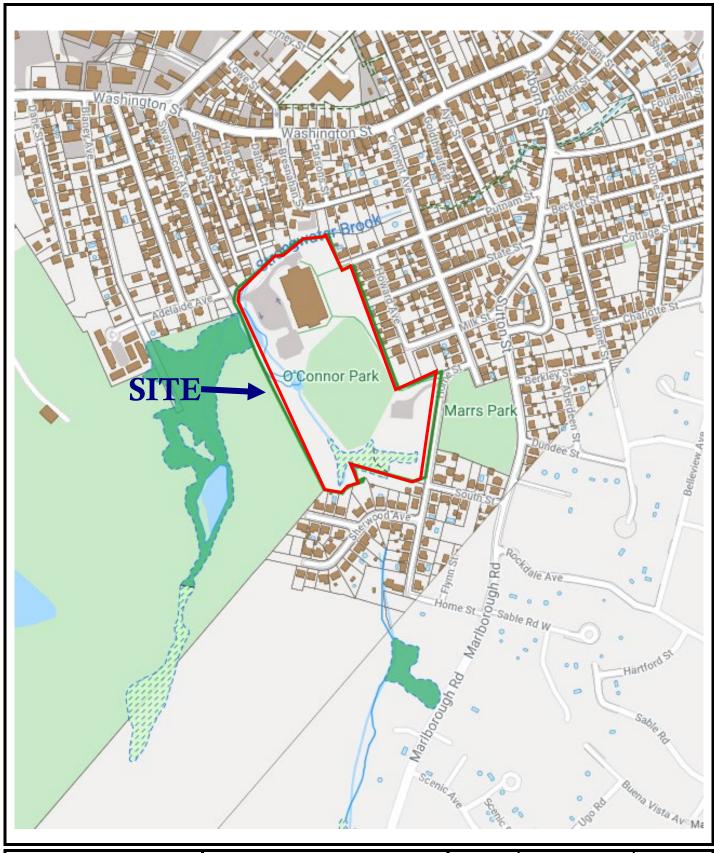
Figure 6

Priority Resource Map

Drawn By: CAC

Date: 4/18/23





William A. Welch, Sr. Elementary School 50 Swampscott Avenue Peabody, Massachusetts 01960



Project No. 1318.001

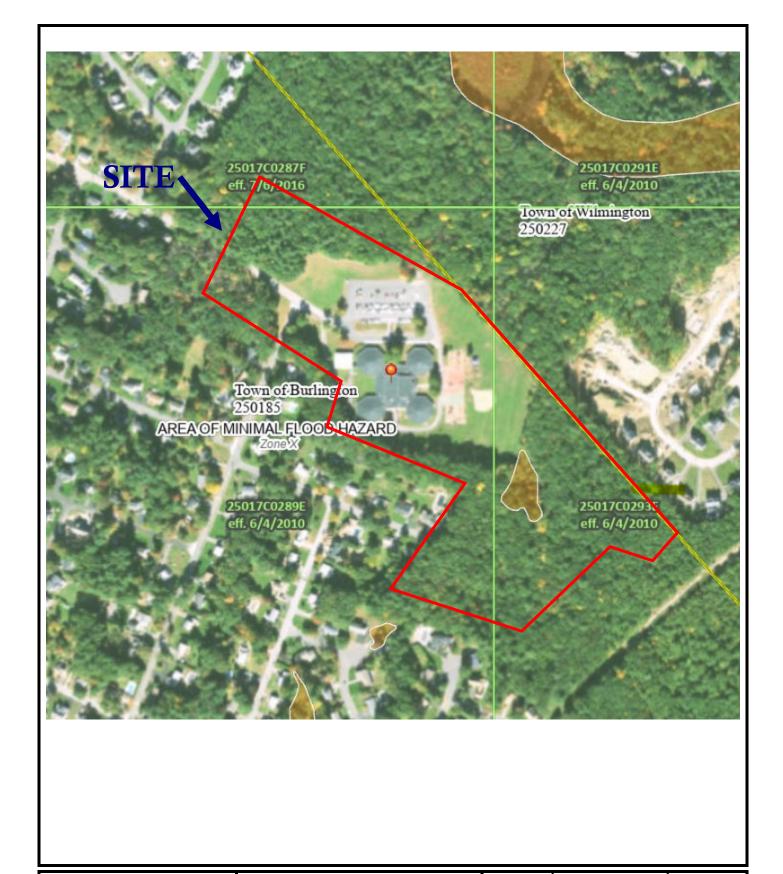
Figure 6

Wetland Location Map

Drawn By: CAC

Date: 9/20/20







Project No. 1009.077

Figure 8

National Flood Hazard Firmette

Drawn By: CAC

Date: 4/18/23



ECMS Project No. 1009.077

APPENDIX A

INFORMATION/RESEARCH SOURCES & HISTORICAL DOCUMENTATION



ECMS Project No. 1009.077

RESEARCH/INFORMATION SOURCES

Environmental Data Resources, Inc. (EDR) Radius Report with GeoCheck for Target Property in Burlington, Massachusetts, March 31, 2023.

EDR Certified Sanborn Map Report for Target Property in Burlington, Massachusetts, March 31, 2023.

EDR Certified Topographic Map Report for Target Property in Burlington, Massachusetts, March 31, 2023.

EDR Aerial Photographs for Target Property in Burlington, Massachusetts, March 31, 2023.

EDR Vapor Encroachment report for Target Property in Burlington, Massachusetts, April 18, 2023.

Town of Burlington Assessor's Office on-line database records.

Town of Burlington Health Department on April 12, 2023.

Town of Burlington Fire Department/Fire Prevention records on April 7, 2023, no response.

Town of Burlington Conservation Commission on April 7, 2023, no pertinent files.

Town of Burlington Clerk's Office on April 7, 2023, no pertinent files.

Town of Burlington Building Department on April 12, 2023.

Zen, E-an (1983) Bedrock Geology Map of Massachusetts, compiled by Richard Goldsmith, Nicholas M. Ratcliffe, Peter Robinson, and Rolfe S. Stanley and assisted by Norman L. Hatch, Jr., Andrew F. Shride, Elaine G.A. Weed, and David R. Wones, prepared in cooperation with the Commonwealth of Massachusetts, Department of Public Works, and Joseph A. Sinnott, State Geologist, scale 1:250,000.





PERMIT FOR OCCUPANCY Name.

PERMIT FOR OCCUPANCY

Date...

Name.

Application # Address: Fox Hill Road Builder or Box Hill School Description Reroof Owner Description Report One sewer installation subject to rules and regulations of the Burlington Board of Health.

VINCENT F. HOWARD General Agent

736 Date Feb. 4 1966
Application #
Builder or Peter Spinelle Owner Peter Spinelle
Description elementary school #5 Cost \$ 1,178,844.00
Permit fee 1,179.00
Lot # for School Westwood St has been approved for septic tank installation, subject to rules and regulations of the Burlington Board of Health.
2-4-66 VINCENT F. HOWARD, General Agent

EP-2016-0822

252 FOX HILL RD

Appliance Replacement JS-2016-001173 EP-2016-0822 Electrical 1182 47 Category: Project # Permit # Permit: Block: Map: Lot:

\$4,000.00

Est. Cost:

Fee Charged: Balance Due: # of Fixtures:



COMMONWEALTH OF MASSACHUSETTS TOWN OF BURLINGTON

ELECTRICAL PERMIT

PERMISSION IS HEREBY GRANTED TO:

Owner: TOWN OF BURLINGTON, FOX HILL SCHOOL Contractor: Shimmel Electric Co Inc

Applicant: Shimmel Electric Co Inc

AT: 252 FOX HILL RD

of Meters:

Service:

Pole#

Amps:

Volts:

Electrical - 28146 License:

AMENDED ON: ISSUED ON: 06-Oct-2016

EXPIRES ON:

TO PERFORM THE FOLLOWING WORK:

generator replacement/mechanical room

THIS PERMIT MAY BE REVOKED BY THE TOWN OF BURLINGTON UPON VIOLATION OF ANY OF ITS RULES AND REGULATIONS.

required inspections. call Jim McDonough, Wiring Inspector at 781-270-1753 to schedule all

Above Ceiling

Final OK Z

Signature:

見つんでいるから



Commonwealth of Massachusetts Department of Fire Services

Date: (Rev 08/2014)

BOARD OF FIRE PREVENTION REGULATIONS

APPLICATION FOR PERMIT TO PERFORM ELECTRICAL WORK All work to be performed in accordance with the Massachusetts Electrical Code (MEC), 527 CMR 12.00

Signature
FEE SCHEDULE BASED ON ESTIMATED VALUE OF WORK \$10 PER \$1000. NEW CONSTRUCTION \$25 MINIMUM INCLUDES NEW FEE SCHEDULE BASED ON ESTIMATED VALUE OF WORK \$10 PER \$1000. NEW CONSTRUCTION \$25 MINIMUM INCLUDES ELECTRICAL BOXES, SERVICE TENANT SPACE, LOW VOLTAGE, REINSPECTION. EXISTING BUILDINGS \$20 MINIMUM INCLUDES ELECTRICAL BOXES, SERVICE CHANT SPACE, LOW VOLTAGE, REINSPECTION. EXISTING BUILDINGS \$20 MINIMUM INCLUDES ELECTRICAL BOXES, SERVICE CHANT SPACE, LOW VOLTAGE, REINSPECTION. EXISTING BUILDINGS \$20 MINIMUM INCLUDES ELECTRICAL BOXES, SERVICE CHANT SPACE, LOW VOLTAGE, REINSPECTION. Bus. Tel. No.: 81-985-0986 Cell Tel. No. 81-985-0986 owner's agent OWNER'S INSURANCE WAIVER: I am aware that the Licensee does not have the liability insurance coverage normally INSURANCE COVERAGE: Unless waived by the owner, no permit for the performance of electrical work may issue unless INSPECTIONS TO BE REQUESTED IN ACCORDANCE WITH MEC RULE 10, AND UPON COMPLETION PERMIT FEE: \$ rl. C. the licensee provides proof of liability insurance including "completed operation" coverage or its substantial equivalent. The DIC. NO SIY6 MUST PROVIDE CERTIFICATE OF INSURANCE FOR WORKER'S COMP AND LIABILITY INSURANCE mechanica Data Wiring:
No. of Devices or Equivalent
No. of Devices or Equivalent
Telecommunications Wiring:
No. of Devices or Equivalent All work to be performed in accordance with the Massachusetts Electrical Code (MEC), 527 CMR 12.00

TOWN OF BURLINGTON- 25 Center St., Burlington MA 01803 Phone 781-270-1753 Fax 781-238-4667 EVERSOURCE Phone No. 888-633-3797 No. of Self-Contained
Detection/Alerting Devices
Local Municipal Other Security Systems:* No. of Devices or Equivalent FIRE ALARMS |No. of Zones I certify, under the pains and penalties of perjury, that the information on this application is true and complete. KVA Total undersigned certifies that such coverage is in force, and has exhibited proof of same to the permit issuing office. LIC. NO.: By this application the undersigned gives notice of his or her intention to perform the electrical work described below. No. of Emergency Lighting Battery Units required by law. By my signature below, I hereby waive this requirement. I am the (check one) 🗌 owner No. of Meters No. of Meters No. of Alerting Devices No. of Detection and Initiating Devices LIC. No.: Telephone No. (MUST BE FILLED IN) No. of Transformers replecement Generators Utility Authorization No. ADDRESS: Vo. box S 4 DUCTING 100 ADDRESS: Vo. box S License: *Per MGL c147, s57-61, security work requires Department of Public Safety "S" License: Undgrd (Undgrd KW Swimming Pool Above Ingrnd. KW Total HP No. of Ballasts No. of Ceil.-Susp. (Paddle) Fans Total Tons 1 Overhead 4000.00 Generator Heat Pump Number Tons Totals: Overhead his permit in conjunction with a building permit? Yes No Space/Area Heating KW Signature B ve lington Burlington Heating Appliances No. of Gas Burners No. of Oil Burners No. of Air Cond. No. of Hot Tubs No. of Motors ESTIMATED VALUE OF ELECTRICAL WORK: Volts Volts Location and Nature of Proposed Electrical Work: Signs No. of 1 FOR SAME Shinemed 798 School Number of Feeders and Ampacity 10001 KW Amps Amps 31-62-6 2 Location (Street & Number) No. Hydromassage Bathtubs Box No. of Recessed Luminaires No. of Receptacle Outlets No. of Luminaire Outlets No. of Waste Disposers rpose of Building Action of the control No. of Dishwashers No. of Luminaires Heaters No. of Switches No. of Ranges No. of Dryers Mew Service Work to start FIRM NAME: No. of Water Owner/Agent OTHER: Licensee: Signature EMAIL:

 GIS#:
 1182

 Map:
 9

 Block:
 47

 Lot:
 0

 Category:
 Commercial Alteration

 Permit #
 39107



JS-2017-000652

Project # Est. Cost:

\$18,000.00

COMMO! WEALTH OF MASSACHUSETTS TOWN OF BURLINGTON

datus n

BUILDING PERMIT

7

PERMISSION IS HEREBY GRANTED TO:

Contractor: License:

Town of Burlington - Facilities Construction S

1650924

Lot Size(sq. ft.):

5B

Const. Class:

Use Group:

Fee Charged: Balance Due: RO

Zoning:

Units Gained:

Units Lost:

Construction Supervisor - 45251 Owner: TOWN OF BURLINGTON, FOX HILL SCHOOL Applicant: Town of Burlington - Facilities

AT: 252 FOX HILL RD
Subdivision:

Occupany Load:

Dig Safe #:

ISSUED ON: 20-Jun-2017 AMENDED ON:

EXPIRES ON:

TO PERFORM THE FOLLOWING WORK:

Install vinyl siding to portable classrooms and replace skirting with louverd vinyl

: Plumbing:	Underground: Underground:	Meter:	Rough: Rough:	Final: Final:	Health:	oil:	Smoke:	Alarm:	Sprinklers:
Electric: Gas:	Underground:	Service:	Rough:	Final:	Sheet Metal: Fire:	Rough:	Insulation:	Above Ceiling:	Final: S

Persons contracting with unregistered contractors do not have access to the guaranty fund (as set forth Call 781-273-7674 for all required inspections the day before the inspection is needed. in MGL c. 142A).

Signature:

Date

COMMONWEALTH OF MASSACHUSETTS

TOWN OF BURLINGTON

GAS PERMIT

GRASSON IS HEREBY GRANTED TO:

tractor:

License:

Master Plumber - 12306

Eggires: FINAL INSPECTION NOTES THIS PAGE FOR INSPECTOR USE ONLY GP-2016-0188 # of Fittings THIS APPLICATION SERVES AS THE PERMIT No Yes PERMIT # STORES

PERMIT # STORES

PLAN REVIEW NOTES

COGG. COGG. Town Hall Annex - 25 Center Street, Phone: (781) 273-7674, Fax: (781) 238 4667, Email: building@burlington.org Amount: 845.00 EXPIRES ON **47**: 252 FOX HIЦL RD FOX HIЦL ЕЦЕМЕНТАRY SCHOOL PERMISSION IS HEREBY GRANTED TO: Owner: TOWN OF BURLINGTON, FOX HILL SCHOOL Master Plumber - 12306 Check No: THIS PERMIT MAY BE REVOKED BY THE TOWN OF BURLINGTON Rough Type: 7244 RD FOX HILL ELEMENTARY SCH inspections. Fuel Gas & Pl Signature: OK rina! Floor: Date Paid: Applicant: Brandano P&H 11-Jul-16 781-270-1618 or 781-273-7674 for all required er on site w/current edition of 348 cmm The MA FOLLOWING WORK AMENDED ON: #of Fittings ANY OF ITS RULES AND REGULATIONS. Brandano P&H Contractor: REC-2016-001693 Rough OK Receipt No: Appliance Replacement GP-2016-0188 THE 11-Jul-2016 JS-2016-000769 GeoTMS® 2016, an ACCELA Company 252 FOX HILL TO PERFORM Type: \$45.00 1182 Est. Cost: Fee Charged: \$45.00 Balance Due: \$.00 Gas ISSUED ON: 47 install gas boile ground or # of Fixtures: Category: Project # Fee Type Permit: GIS #: Block: Permit ≠ GAS08 Map: Lot: Call plumbe Under Fitting Floor:

EMAIL BRANDAND PLUMBING CHOTMAIL, CON OWNER'S NAME FOR STILL ELEMENTARY SALLED ! SIGNATURE OF OWNER OR AGENT
I hereby certify that all of the details and information I have submitted or entered regarding this application are true and accurate to the best of my knowledge and that all plumbing work and installations performed under the permit issued for this application will be in compliance with all Perhient premising of the Massachusetts State Plumbing Code and Chapter 142 of the General Laws. CHECK ONE ONLY: OWNER | AGENT | YES NO PLANS SUBMITTED: YES NO IN LLC | # MASSACHUSETTS UNIFORM APPLICATION FOR A PERMIT TO PERFORM GAS FITTING WORK 13 OWNER'S INSURANCE WAIVER: I am aware that the licensee does not have the insurance coverage required by Chapter 142 of the 12306 12 18 BOND 11 TEL 781-270-121 FAX I have a current liability insurance policy or its substantial equivalent which meets the requirements of MGL. Ch. 142 PERMIT # RESIDENTIAL [10 I IF YOU CHECKED YES, PLEASE INDICATE THE TYPE OF COVERAGE BY CHECKING THE APPROPRIATE BOX BELOW PARTNERSHIP | 6 Massachusetts General Laws, and that my signature on this permit application waives this requirement. STATE MA ZIP OD148 8 OTHER TYPE INDEMNITY LICENSE # 17306 JOBSITE ADDRESS! FOX TILL 12 EDUCATIONAL 🖾 9 COMPANY NAME BRANDAND PLYING HEATING ADDRESS INSURANCE COVERAGE OWNER ADDRESS TOX HILL Rd BURLINGTON MA 2 CORPORATION | # REPLACEMENT: CELL 737-1166 PLUMBER-GASFITTER NAME MUTHAG S. BRANDANO OCCUPANCY TYPE COMMERCIAL LIABILITY INSURANCE POLICY A RENOVATION: BSM JP | JGF | LPGI | MALDEN FL00RS→ UNIT HEATER
UNVENTED ROOM HEATER
WATER HEATER NEW: CONVERSION BURNER POOL HEATER ROOM / SPACE HEATER DIRECT VENT HEATER LABORATORY COCKS NFRARED HEATER APPLIANCES 1
BOILER MAKEUP AIR UNIT MP TA MGF ROOF TOP UNIT CLEARLY COOK STOVE TYPE OR GENERATOR FIREPLACE C BOOSTER FURNACE

252 FOX HILL RD FOX HILL SCHOOL

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GP-2016-0099

stus rev reated:

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COMMONWEALTH OF MASSACHUSETTS

								1	EXP					
TOWN OF BURLINGTON	The second secon		TIMAL DE LA LINE	200	The same of the sa		PERMISSION IS HEREBY GRANTED TO:	Contractor: License.	Gedick Bros Inc Master Plumber - 12752	Owner: TOWN OF BIRLINGTON FOX IIII 1 000000	Applicant: Codict of the school	The reduct Bros Inc	AT: 252 FOX HILL RD FOX HILL SCHOOL	AMENDED ON: EXPIRES ON:
1182	6	47	0	Gas	New Appliance	GP-2016-0099	JS-2016-000387		\$45.00	\$.00				ISSUED ON: 14-Apr-2016
GIS #:	Map:	Block:	Lot:	Permit:	Category:	Permit #	Project #	Est. Cost:	Fee Charged: \$45.00	Balance Due: \$.00	# of Fixtures		TOGETHE	ISSUED C

ires:

TO PERFORM THE FOLLOWING WORK:

install gas generator

THIS PERMIT MAY BE REVOKED BY THE TOWN OF BURLINGTON UPON VIOLATION OF ANY OF ITS RULES AND REGULATIONS.

Call 781-270-1618 or 781-273-7674 for all required inspections. Rough inspections require the plumber on site w/current edition of 248 CMR The MA Fuel Gas & Plumbing Code.

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Signa		Floor:	Date Paid:		14-Apr-16
THE PERSON NAMED IN COLUMN NAM		# of Fittings	Receipt No:	REC-2016 000031	175000-010-000371
		Type:		-	
	Fittings:	rioor:	Fee Type:	GAS08	

Town Hall Annex - 25 Center Street, Phone: (781) 273-7674, Fax: (781) 238-4667, Email:building@burlington.org GeoTMS® 2016, an ACCELA Company

NECLAL RESIDENTAL RESIDENTAL REPLACEMENT RESIDENTAL RESIDENTAL			m		I S			-3	- 4			-	100			_			7				13					7	
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RESS TOWN OF BURLINGTON RESS COMMERCIAL RENOVATION: REPLACEMENT: R	556 ET 873	SHIP #	in compliance with all Pe		arage required by Chapirement.		E BOX BELOW	nents of MGL. Ch. 142															1		THAIR SUBMITTE		2	LA PERMII #	10 PERFORM GAS
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A A D D D D D D D D D D D D D D D D D D	=ch BRos	J 15	s and information I have all all all all all all all and Chapter 142 of	SIGNATURE OF OWNER OR AGENT	R: I am aware that th and that my signatur	Y INSURANCE POLI	INDICATE THE TYPE (and policy or ife cut								-		1	7		William II		ī	RENOVATION:		DDRESS	JOBSITE ADDRESS	TOWN OF BI	SSACHUSETTS U
MASSACH CITY CITY CITY JOBSITE ADDRESS TYPE OR PRINT CLEARLY OWNER ADDRESS TYPE OR PRINT CLEARLY DOCUPANCY TYPE COOK STOVE DOCUPANCY TYPE DOCUPANCY TYPE COOK STOVE DIRECT VENT HEATER COOK STOVE DIRECT VENT HEATER COOK STOVE FURNACE GENERATOR GENERATOR COOK STOVE COOK S	OMPANY NAME: GEDECL	GASFITTER NAME GF JP JGF	etts State Plumbing Cox	SIGNATURE OF	S INSURANCE WAIVE	LIABILIT	CHECKED YES, PLEASE	and the state of t		HEATER	EATER TED ROOM HEATER	TOP UNIT	HEATER / SPACE HEATER		RATORY COCKS	LE DEN HEATER	RATOR	OLATOR .	ER PLACE	ECT VENT HEATER	VERSION BURNER OK STOVE	STER	ANCES 1				JOBSITE	VIII	MA

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L

BUILDING PERMIT TOWN OF BURLINGTON PERMISSION IS HEREBY GRANTED TO: 252 FOX HILL RD Fox Hill School, Roof Contractor: Commercial Alteration JS-2015-000640 \$881,200.00 36592 1182 47 2B Balance Due: Const. Class: Fee Charged: Use Group: Category: Est. Cost: Project # Permit # Block: Lot:

0

36592 COMMONWEALTH OF MASSACHUSETTS

ate created: N et status revis Ith of

Construction Supervisor - 66217 Owner: TOWN OF BURLINGTON, FOX HILL SCHOOL License: Gibson Roofs Inc

Lot Size(sq. ft.): 1650924

RO

Zoning:

Units Gained:

Units Lost:

AT: 252 FOX HILL RD Fox Hill School, Roof Applicant: Gibson Roofs Inc

Subdivision:

Occupany Load:

EXPIRES ON:

TO PERFORM THE FOLLOWING WORK:

AMENDED ON:

ISSUED ON: 23-Jun-2015

Strip down to deck & reroof with Carlisle EPDM fully adhered roofing system

	Building:	Excavation	TOO TO		Rough Frame		rireplace/chimney:	Insulation:	where Metal:	Final:
	Plumbing:	Underground:		Rough:	Final:	Health:				
	Gas:	Underground:	Meter:	Rough:	Final:	Fire:	oil:	Smoke:	Alarm:	Sprinklers:
Electric.		Underground:	Service:	Rough:	Final:	Sheet Metal:	Rough:	Insulation:	Above Ceiling:	Final:

Call 781-270-1615 for all required inspections the day before the inspection is needed. Persons contracting with unregistered contractors do not have access to the guaranty fund (as set forth

Signature:

Date

CONSTRUCTION CONTROL AFFIDAVIT



4458

TOWN OF BURLINGTON

25 Center Street WWW.BURLINGTON.ORG Office of Inspector of Buildings - Town Hall Annex Burlington, Massachusetts 01803 (781) 238-4691 FAX (781) 270-1615

PROJECT LOCATION Fox Hill Road, Burlington, MA 01803	JOB NO. S119414-X
PROJECT NAME Fox Hill Elementary School Partitions Installation	
NATURE OF PROJECT Demolish existing offices to create a new classroom. Add 2 new time out rooms.	dd 2 new time out rooms.
ARCHITECT AND/OR ENGINEER Knight, Bagge & Anderson, Inc.	
ADDRESS 6 Thirteenth Street, Charlestown, MA 02129	TELEPHONE NO. 617-241-2807
In accordance with Section 110 and 116.0 of the Massachusetts State Building Code, I, Kevin J. Buckley, AIA Registration No. 5506 being a registered professional engineer/architect, hereby certify that I have prepared or directly supervise preparation of all design plans, computations and specifications concerning:	J. Buckley, AIA ortify that I have prepared or directly s

d the

D STRUCTURAL

D ELECTRICAL

□ ARCHITECTURAL
 □ FIRE PROTECTION

DENTIRE PROJECT

☐ MECHANICAL ☐ OTHER

provisions of the Massachusetts State Building Code, all accepted engineering practices and applicable laws and ordinances for the proposed use and occupancy. I further certify that I shall perform the necessary professional services and be present on the construction site on a regular and periodic basis to determine that the work is proceeding in accordance with the documents approved for the building permit and shall be responsible for the following as specified in Section 116.2. For the above named project and that, to the best of my knowledge, such plans, computations and specifications meet the applicable

- 1. Review of shop drawings, samples and other submittals of the contractor as required by the construction contract documents as submitted for building permit, and approval for conformance to the design concept.
- 2. Review and approval of the quality control procedures for all code-required controlled materials.
- 3. Special architectural or engineering professional inspection of critical construction components requiring controlled materials or construction specified in the accepted engineering practice standards listed in Appendix G.

Pursuant to Section 116.2.2, I shall submit periodically, 🗖 daily, 🗹 weekly, or 🗖 other periods (specify) progress reports together with pertinent comments to the Town of Burlington Building Department.

Upon completion of the work, architect, and/or engineers shall submit final affidavits as to the satisfactory completion and readiness of the project for occupancy. Subscribed and sworn to before me this

No. 5506 WARLESTOWN

blic blic

My Commission Expires

40.0

JS-2013-000935 Miscellaneous \$25,900.00 Lot Size(sq. ft.): 1650924 34540 1182 \$0.00 \$.00 47 SB 0 Balance Due: Fee Charged: Const. Class: Use Group: Project # Est. Cost: Category: Permit # Block; Map: Lot:

COMMONWEALTH OF MASSACHUSETTS
TOWN OF BURLINGTON



BUILDING PERMIT

PERMISSION IS HEREBY GRANTED TO:

Contractor: Childscapes

License:

Owner: TOWN OF BURLINGTON, BURLINGTON HIGH SCHOOL

Applicant: Childscapes

AT: 252 FOX HILL RD

ISSUED ON: 28-Aug-2013 AMENDED ON:

Subdivision:

Occupany Load:

Units Gained:

Zoning:

Units Lost:

EXPIRES ON:

TO PERFORM THE FOLLOWING WORK:

Construct 21' x 21' Pavillion at playground area

Electric:	Gas:	Plumbing:	Building:
Underground:	Underground:	Underground:	
Service:	Meter:		Excavacion:
Rough:	Rough:	Rough:	rootings:
Final:	Final:	Final:	Foundation:
Sheet Metal:	Fire:	Health	ייייין דו מוופ:
Rough:	0i1:		Fireplace/Chimney:
Insulation:	Smoke:		Insulation:
Above Ceiling:	Alarm:		Sheet Metal:
Final:	Sprinklers:		Above Ceiling:
100			Final:

Persons contracting with unregistered contractors do not have access to the guaranty fund (as set forth Call 781-273-7674 for all required inspections the day before the inspection is needed.

Signature:

Date

Town Hall Annex - 25 Center Street, Phone: (781) 270-1615, Fax: (781) 238-4691, Email:building@burlmass.org GeoTMS® 2013 Des Lauriers Municipal Solutions, Inc.

EAJPieta

GIS#:

34366 COMMONWEALTH OF MASSACHUSETTS TOWN OF BURLINGTON

BUILDING PERMIT

Commercial Alteration

JS-2013-000751

Project #

Permit #

Est. Cost:

34366

47

Block:

Lot:

Map:

0

Category:

6

\$139,850.00

Fee Charged: Balance Due: Const. Class:

PERMISSION IS HEREBY GRANTED TO:

Casby Bros Inc Contractor:

Construction Supervisor - 22155 License:

Owner: TOWN OF BURLINGTON, FOX HILL SCHOOL

Lot Size(sq. ft.): 1650924

Use Group:

RO

Zoning:

Units Gained:

Units Lost:

2B

Applicant: Casby Bros Inc AT: 252 FOX HILL RD

Subdivision:

Occupany Load:

EXPIRES ON:

TO PERFORM THE FOLLOWING WORK:

AMENDED ON:

ISSUED ON: 16-Jul-2013

Remodel lobby/main office

Building:	Excavation:	Footings:	Foundation:	Rough Frame:	Fireplace/Chimney:	Insulation:	Sheet Metal:	Above Ceiling:	Final:
Plumbing:	Underground:		Rough:	Final:	Health:				
Gas:	Underground:	Meter:	Rough:	Final:	Fire:	011:	Smoke:	Alarm:	Sprinklers:
Electric:	Underground:	Service:	Rough:	Final:	Sheet Metal:	Rough:	Insulation:	Above Ceiling:	Final:

Persons Call 781-273-7674 for all required inspections the day before the inspection is needed. Persons contracting with unregistered contractors do not have access to the guaranty fund (as set forth in MGL c. 142A).

Signature:

Date

Town Hall Annex - 25 Center Street, Phone: (781) 270-1615, Fax: (781) 238-4691, Email:building@burlmass.org

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PP-2009-0185

COMMONWEALTH OF MASSACHUSETTS TOWN OF BURLINGTON

PERMISSION IS HEREBY GRANTED TO: JS-2009-000663 New Appliance PP-2009-0185 Plumbing 1182 \$0.00 Fee Charged: \$0.00 Balance Due: \$.00 # of Fixtures: Category: Est. Cost: Permit # Project # GIS #: Permit: Block: Map:



PLUMBING PERMIT

Master Plumber & Gasfitter - 8209 Owner: TOWN OF BURLINGTON, FOX HILL SCHOOL License: Applicant: Gedick Bros Inc AT: 252 FOX HILL RD Gedick Bros Inc Contractor:

Expires:

ISSUED ON: 07-Aug-2009

AMENDED ON:

EXPIRES ON:

TO PERFORM THE FOLLOWING WORK:

Install grease trap

THIS PERMIT MAY BE REVOKED BY THE TOWN OF BURLINGTON UPON VIOLATION OF ANY OF ITS RULES AND REGULATIONS.

Call 781-270-1618 or 781-273-7674 for all required inspections. All rough inspections require the plumber on site w/current edition of 248 CMR the MA Fuel Gas & Plumbing Code.

Rough OK Underground OK

Final OK

Signature: Receipt No: Fee Type:

Check No:

04-Aug-09 Date Paid:

REC-2009-001325

PLUM08

Town Hall Annex - 25 Center Street, Phone: (781) 270-1615, Fax: (781) 238-4691, Email:building@burlmass.org GeoTMS® 2009 Des Lauriers Municipal Solutions, Inc.

RECEIVED AUG U4 2009 BURLING ON BUILDING DEPARTMENT	MGL Ch 1. e required is requirement	1 -1 -1 -1 -1
FEE SCHEDULE STATE FLOOR Now Of Butlington * Glenn Paparo, Inspector * 781.270.1618 * PAX 70.17018 Building Location 252 Fox Hill Reference of Cocupancy 50.000 PLUMBING Building Location 252 Fox Hill Reference of Cocupancy 50.000 PLUMBING Building Location 252 Fox Hill Reference of Cocupancy 50.000 PLUMBING Building Location 252 Fox Hill Reference of Cocupancy 50.000 PLUMBING Building Location 252 Fox Hill Reference of Cocupancy 50.000 PLUMBING The ESCHEDULE State Market State of Cocupancy 50.000 PLUMBING Interest and Interest of Cocupancy 50.000 Interest and Interest of Coc	I have a currant liability insurance policy or its substantial equivalent which meets the requirements of MGL Ch 142. Yes If you have checked yes, please indicate the type coverage by checking the appropriate box. A liability insurance policy OWNERS INSURANCE WAIVE I am aware that the licensee does not have the insurance coverage required by chapter 142 of the Mass. General Laws, and that my signature on this permit application waives this requirement. Owner Owner Agent	off of processors from the state of the stat

best of my knowledge and that all plumbing work and installations performed under the permit issued for this application will be in compliance with all perfinant provisions of the Massachusetts State Gas Code and Chapter 142 of the general laws.

Plumbing & Gas Inspector Burlington Building Departme 25 Center Street Burlington, MA 01803 Mail to:

Signature of Licensed Plumber or Gas Fitter

8209 License Number

EMAIL ADDRESS:

OWNER'S INSURANCE was required by law. By my signature below, I hereby waive this requirement required by law. By my signature below, I hereby waive this requirement.

Telephone No.

PERMIT FEE: \$ O

JS-2000 Map

	Date
	Cash Cash
M UFFILE USE UNLY	1
LUN ULL	Check #
	PAID C
	اما

SUBMIT THIS APPLICATION WITH THREE (3) SETS OF CONSTRUCTION DRAWINGS & PLOT PLAN TOWN HALL ANNEX - 25 CENTER STREET BURLINGTON, MASSACHUSETTS 01803 Fax 781-270-1608 Telephone 781-270-1615

22350

16/00

PERMIT NO.

APPLICATION FOR BUILDING PERMIT TOWN OF BURLINGTON

HECTONSTRUCTION: \$84,347.00

MAR 1 5 2000 BUILDING DEPT. CONSTRUCTION PROJECT INFORMATION	rr) 252 Fox Hill Road	f Burlington TELNa (781)-270-1800	ADDRESS 29 Center Street, Burlington, MA smel Same of	ALTERATION - FOUNDA	VSIONS: LENGTH DEPTH HEIGHT LOT AREA: SQ FT	RT OF ROOF — ROOF TYPE ☐ Flat ☐ Gable ☐ Hip ☐ Mansard ☐ Shed ☐ Other	TYPE OF HEAT/FUEL Hot Water Warm Air Steam Resistance 0il Gas	PERTY LINES: Front Side Right Side Left Rear DESCRIPTION OF WORK	Installation of playground equipment from Landscape Structures, Inc. of Delano, MN. Three
CONSTRUCTION: CONSTR	LOCATION (Street, Space No, Floor) 252 Fox Hill Road	PROPERTY OWNER Town of Burlington	ADDRESS 29 Center Stree	2	BUILDING / ADDITION DIMENSIONS:	NO. OF STORIES PART OF ROOF	FOUNDATION DEPTH / THICKNESS / TYPE	BUILDING SETBACKS FROM PROPERTY LINES:	Installation of playground e

GENERAL CONTRACTOR INFORMATION

DBA NAME: Town of Burlington Recreation Department		Tel No. (781)-270-1695
ADDRESS: 61 Center Street, Burlington, MA 01803		
Construction Supervisor's Name: Doug Gillingham	LICENSE No.:	EXP DATE:
Home Improvement Contractor		
Name:	REG No.:	EXP DATE:
Address:		
Workers Compensation Insurance:		EXP DATE:
MGL C152, S25C(6) Name of Ins. Co. & Policy No.		
ARCHITECT / ENGINEER:	REG. No.	EXP DATE:
ADDRESS:		Tel. No.

I hereby declare that the statements and information on the foregoing are true and accurate, to the best of my knowledge and belief, signed under the pains and 3/15-100 penalties of perjury.

BLDGAPP.DOC Jan 2000

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Date created: Mi

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I hereby certify that all of the details and information I have submitted (or entered) in above application are true and accurate to the best of my knowledge and that all plumbing work and installations performed under the permit issued for this application will be in compliance with all pertinent provisions of the Massachusetts State Gas Code and Chapter 142 of the General Laws. OWNER'S INSURANCE, WAIVER: I am aware that the licensee does not have the insurance coverage required by Chapter 142 of the Mass. General Laws, and that my signature on this permit application waives this requirement.

Chapter 142 of the Mass. I have a current liability insurance policy or its substantial equivalent which meets the requirements of MGL Ch. 142.

Yes ☒ No □ D ON MASSACHUSETTS UNIFORM APPLICATION FOR PERMIT TO DO GASFITTING
BURLINGTON
MASS DO 19 99 PERMIT O GP-1999-Intials / Date Certificate Yes INSPECTIONS OF Signature of Licensed Plumber or Gas Fitter Agent | TOWN Plans Submitted: If you have checked yes, please Indicate the type coverage by checking the appropriate box. Corporation Partnership Check one: Type of Occupancy, Rough OK Bond Final OK REHTO Firm/Co. Owner's Name SIST Owner POOL HEATERS License Number DIRECT VENT HTRS. VENTED ROOM HTRS. ROOF TOP UNITS Replacement | CONVERSION BURNERS rep Other type of Indemnity LABORATORY COCKS Boil GAS GENERATORS DRYERS Type of License:
Plumber
Gasfitter
Master
Journeyman WATER HEATERS 507 UNIT HEATERS FURNACES Renovation (27.5-502 HEATING BOILERS Performance 10x CRILLES Name of Licensed Plumber or Gas Fitter ONEHS Building Location REATER RANGES DOWNI BANGES Fox Owner's Agent A liability insurance policy A INSURANCE COVERAGE: SUB-BSMT. STH FLOOR Business Telephone 78/ Installing Company Name 2ND FLOOR 3RD FLOOR 4TH FLOOR STH FLOOR 6TH FLOOR TTH FLOOR New A 1ST FLOOR BASEMENT 25.00 MINIMUM FOR 1st THREE (3) RES PLUS \$5.00 FOR EACH ADDITIONA FIXTURE / APPLIANCE / DEVICE FOR OFFICE USE ONLY FEE SCHEDULE Signature of O Ready for Inspection Date **FIXTURES** FINAL INSPECTIONS ARE MANDATORY TOTAL TOTAL TOT/ FIXT(FIXT TOTA

th of



The Commonwealth of Massachusetts

Gepartment of Bublic Solicity

BOARD OF FIRE PREVENTION REGULATIONS 527 CMR 12:00

Permit No
Occupancy & Fee Checked
3/90
(leave blank)

270-1608

APPLICATION FOR PERMIT TO PERFORM ELECTRICAL WORK

(PLEASE PRINT IN INK OR TYPE ALL INFORMATION) City or Town of Burlington	PRINT IN INK OR TYPE ALL INFORMATION) To the Inspiretor of Town of Burlington	Date 4/12/94 To the Inspector of Wires:
The udersigned applies for a pe	a permit to perform the electrical work described below	ribed below.
	Fox Hill Road	
Owner or Tenant	Fox Hill School	700) 8 6 004
Owner's Address	Fox HILL Road	APR 20 1331
Is this permit in conjunction with a building permit.	a building permit: Yes [] No	(Check Appropriate Box) EPT.
Purpose of Building	school	Utility Authorization No.
Existing Service Amps	Volts Overhead	Undgrnd
New Service Amps	/Volts Overhead	Undgrnd No. of Meters
Number of Feeders and Ampacity Location and Nature of Proposed Electrical Work	Rectrical Work_fluorescent fixtures- ballast	s- ballast and lamp replace
No. of Lighting Outlets	No. of Hot Tubs	No. of Transformers KVA
No. of Lighting Fixtures	Swimming Pool Above In-	Generators KVA
No. of Receptacle Outlets	No. of Oil Burners	No. of Emergency Lighting Battery Units
No. of Switch Outlets	No. of Gas Burners	FIRE ALARMS No. of Zones
No. of Ranges	No. of Air Cond. Total tons	No. of Detection and Initiating Devices
No. of Disposals	No.of Heat Total Total	No. of Sounding Devices
No. of Dishwashers	Space/Area Heating KW	No. of Self Contained Detection/Sounding Devices
No. of Dryers	Heating Devices KW	Local Municipal Other
No. of Water Heaters KW	No. of No. of Signs Ballasts 728	Low Voltage Wiring
No. Hydro Massage Tubs	No. of Motors Total HP	
отнея:	96/11/11/19/19	METITING INTERPRETATION OF THE PROPERTY OF THE
INSURANCE COVERAGE: Pursuant to the requirement I have a current Liability Insurance Policy including Co have submitted valid proof of same to the Office. YES checking the appropriate box.	s of Massachus mpleted Opera	icits general Laws itions Coverage or its substantial oquivalent. YES It you have checked YES, please indicate the typo of coverago
	_	(Expiration Date
Estimated Value of Electrical Work s Work to Start H H H H	3500_00 Inspection Date Requested: Rough	Final
Signod undor the Parallies Retroffit Services/ Kenneth B.	Services/ Kenneth B. Young	10
Liconsoo Neillietii B. Ioung	L./ LIKS Signaturo	617-245-5600
Addross 50 New Salem Street,	, Wakefield, MA 01880	Alt. Tol. No.
OWNER'S INSURANCE WAIVER: I am avaired by Massachusotts General Laws, (Please check one)	OWNER'S INSURANCE WAIVER: I am aware that the Licensee <u>does not have</u> the insurance coverage or its substantial eq quired by Massachusetts General Laws, and that my signature on this permit application walves this requirement. Owner (Please check one)	OWNER'S INSURANCE WAIVER; I am aware that the Lkonsoe <u>does not have</u> the insurance coverage or its substantial equivalent arguined by Massachusetts General Laws, and that my signature on this permit application walves this requirement. Owner Age (Please check one)

(Signature of Owner or Agent)

PERMIT FEE \$

MASSACHUSETTS UNIFORM APPLICATION FOR PERMIT TO DO PLUMBING " 1201-15

310 CMR 10.99

Form 2

RECEIVED JUL 2 6 1993

Commonwealth ILDING DEPT.

Die

	(To be provided by DEP) Burlington	Conservation Dept
OWN OF BURL WET ON	93 JUL 23 PM 2: 41	BURLINGTOMPHAM Conservation Dept

Massachusetts Wetlands Protection Act, G.L. c. 131, §40 **Determination of Applicability**

The partition conservation commission	1011 Issuing Authority
To Town of Burlington, Conservation	Ѕате
(Name of person making request)	(Name of property owner)
Address 29 Center Street	Defect the condition to the State
Burlington, Ma 01803 This determination is issued and delivered as follows:	- sab-cox
by hand delivery to person making request on	7/23/93 (date)
by certified mail, return receipt requested on	(date)
Pursuant to the authority of G.L. c. 131, §40, the Conservation Commission has considered your request for a Determination of Applicability and its supporting documentation, and has made the following determination (check whichever is applicable):	ervation Commission bility and its supporting documentation, and has able):
Location: Street Address Between Fox H1. Lot Number: Map #9, Parcel #47,64,65	Between Fox Hill Elementary School & Sawmill Brook 7,64,65
1. The area described below which in the	TO BE KNOW IN THESE

The area described below, which includes all/part of the area described in your request, is an Area Subject to Protection Under the Act. Therefore, any removing, filling, dredging or altering of that area requires the filing of a Notice of Intent.

The work described below, which includes all/part of the work described in your request, is within

[]

an Area Subject to Protection Under the Act and will remove, fill, dredge or alter that area. There-

fore, said work requires the filing of a Notice of Intent.

Effective 11/10/89

Permit # 19 93 Mass. Date BURLINGTON

(Print or Type)

SELIS UNIFORM APPLICATION FOR PERMIT TO DO PLUMBING

ge 2 of 4. termination of Applicability: Fox Hill School & Sawmill Brook

The work described below, which includes all/part of the work described in your request, is within the Buffer Zone as defined in the regulations, and will alter an its Subject to Proceedion index the Act Therefore, said work requires the filing of a Notice of Intent.

This Determination is negative:

- The work described in your request is within an Area Subject to Protection Under the Act, but will not remove, fill, dredge, or alter that area. Therefore, said work does not require the filing of a Notice of Intent. The area described in your request is not an Area Subject to Protection Under the Act. 2.0
 - The work described in your request is within the Buffer Zone, as defined in the regulations, but will not alter an Area Subject to Protection Under the Act. Therefore, said work does not require the filling of a Notice of Intent. 3.
- The area described in your request is Subject to Protection Under the Act, but since the work described therein meets the requirements for the following exemption, as specified in the Act and the regulations, no Notice of Intent is required: 4.

, before me Conservation Commission This Defermination must be signed by a majority of the conservation commission ., to me known to be the acknowledged that he/she executed the same as his/her free act and deed. person described in, and who executed, the foregoing instrument, and a O of Blanc 77 Le Blanc day of Calherine O. Burlington personally appeared_ Brice 222 Signature (9) Issued by on this

Wy Commission Expires

This Determination does not relieve the applicant from complying with all other applicable federal, state or local statutes, ordinances, by laws or regulations. This Determination shall be valid for three years from the

The applicant, the owner, any person aggrieved by this Determination, any owner of land abutting the land upon are hereby notified of their right to request the Department of Environmental Protection to issue a Superseding Determination of Applicability, providing the request is made by certified mail or hand delivery to the Department, with the appropriate filing fee and Fee Transmittal Form as provided in 310 CMR 10.03(7) within ten days from the date of issuance of this Determination. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and the applicant.

UNIFORM APPLICATION FOR PERMIT TO DO PLUMBING TOURS BURLINGTON (Print or Type)

TOWN OF BURLINGTON

FAX 270-1608 BURLINGTON, MASSACHUSETTS 01803 TOWN HALL 270-1600

TOWN OF BURL NIGTON 93 JUL 23 PM 2: 42 Page

292 LOVUILL

BURL INGTON, MA

BURLINGTON BY-LAW ARTICLE 22 DETERMINATION OF APPLICABILITY

APPLICANT:

ADDRESS: 29 Center Street, Burlington MA 01803 LOCATION: Fox Hill School - Sawmill Brook Conservation Area ASSESSOR'S MAP/PARCEL: Map 9, Parcels 47, 64, & 65 PROPERTY OWNER: Town of Burlington Town of Burlington

July 23, 1993 DATE OF DECISION:

DECISION

The Burlington Conservation Commission voted to issue a Negative Determination of Applicability with conditions, as noted below, for a proposed footpath that connects two existing trails on land lying between the Fox Hill School and the Sawmill Brook Conservation Area.

- the bordering vegetated wetlands. Shrubs, trees, and herbaceous plants may be pruned to permit for a better foot path. No plants may be excavated or uprooted under this decision.
- vegetated wetlands will not be altered by a limited pruning of the vegetation sufficient to provide a foot path to connect existing trails on the land.
- a separate application must be filed through the vegetated wetlands a separate application must be filed with the Conservation Commission showing the work and the methods to event a board walk is needed to improve the trail be used to protect the wetlands. In the
- in this decision is intended to permit any change Portions of the trail may fall within bordering land subject to flooding. 4. Nothing in this decision i grade that will increase flooding.
- shall be cut into small pieces, spread thinly, and may be left within the general area of the trail work. material Pruned
- the Conservation Administrator or Conservation Supervision shall be deemed to be regular visits to the record kept of such visit, and a review of pruning and The work within the bordering vegetated wetlands shall be Conservation Administrator clearing activities. with Commission.

The Flore

LICATION FOR PERMIT TO DO

Sawmill Brook Burlington By-laws Article 22 - Wetlands Determination of Applicability; Fox Hill School 22, 1993

BURLINGTON ISSUED BY:

CONSERVATION COMMISSION:

the foregoing instrument, to me known to be before me 1993, In, and who executed, the foregoing she/he executed the same as her/his of day described that appeared 22 nd acknowledge person personally On

Notary

deed.

My Commission Expires

s Article 22. Enforcement of the of not more than \$25,000 for the s. 40 as well as criminal or nonnformation, or a failure to comply with the work may be conditioned herein may result in a violation of Protection Act, Massachusetts General Laws Chapter 131, and Burlington By-laws Article 22. Enforcement of the applicant is advised that the submission of incomplete or fine 131, criminal penalties under the By-law. g 0 include seeking pursuant to MGL information, can include and as Wetlands The 40 inaccurate specified violation Section

not relieve the applicant from complying eral, state, or local statutes, ordinances, by-laws or regulations. other applicable federal, does Determination with all

in the Superior Court in Appeals from this permit must be filed in the Superic accordance with the provisions of MGL Chap. 249, Section 4. Maple

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Permit #

19 72

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Building Location Fox [1,][

709

MASSACHUSETTS UNIFORM APPLICATION FOR PERMIT TO DO GASFITTING	Burlington , Mass. Date 6-22 19 83 Permit# 87	Building Location Fox hill Rd. Owner's Name Burlington Elementery	Lot: Zone: Type of Occupancy School	Renovation ☐ Replacement ☐ Plans Submitted: Yes ☐ No ☐	RANGES OVENS GRILLS GRILLS GRILLS HEATING BOILERS LABORATORY COCKS CONVERSION BURNERS CONVERSION BURNERS ROOF TOP UNITS POOL HEATERS TESTS OTHER LASCALL PROCES TESTS TASCALL PROCES TASCALL PROCES TASCALL PROCES TESTS TESTS TASCALL PROCES TASCALL PROCES TASCALL PROCES TASCALL PROCES TASCALL PROCES TESTS TASCALL PROCES TASCALL PROCES TASCALL PROCES TESTS TESTS TASCALL PROCES TASCALL PROCES TASCALL PROCES TESTS TESTS TASCALL PROCES TASCALL PROCES TASCALL PROCES TOWN TASCALL PROCES TOWN TASCALL PROCES TOWN TOWN			> = = = = = = = = = = = = = = = = = = =	C C	C C	CC CC	cc	α α	CC	α α	Water St., Danvers, MA 01923 Dermicate Certificate Water St., Danvers, MA 01923 Dermership	(508) 774-1930 D Firm/Co.	=	INSURANCE COVERAGE: I have a currenylability insurance policy or its substantial equivalent which meets the requirements of MGL Ch. 142. Yes V No J Yes V Have checked <u>yes</u> , please indicate the type coverage by checking the appropriate box.	Other type of indemnity Bond
MASSACHUSET (Print or Type)	38			New I	Fee:	SUB-BSMT.	BASEMENT	1ST FLOOR		3RD FLOOR	4TH FLOOR	STH FLOOR	6TH FLOOR	7TH FLOOR	BTH FLOOR	Installing Company Name. Address 131 Wat		Name of Licensed Plumbe	INSURANCE COVERAGE: I have a currenylability i Yes K If you have checked <u>yes</u>	A liability insurance policy

I hereby certify that all of the details and information I have submitted (or entered) in above application are true and accurate to the best of my knowledge and that all plumbing work and installations performed under the permit issued for this application will be in compliance with all pertinent provisions of the Massachusetts State Gas Code and Chapter 142 of the General Jaws.

By______Title______CITY / Town______APPROVED_(OFFICE USE ONLY)

Type of License:
Plumber
Gasfitter
Master
Journeyman

Signature of Licensed Plumber or Gas Fitter

License Number

RECEIVED

THOUSAND THE

BUILDING DEPT.



TOWN OF BURLINGTON

LOWN OF BURLING!

The state of the s

BURLINGTON, MASSACHUSETTS 01803 TOWN HALL 272-6700

AFFIDAVIT

As a result of the provisions of MGL c 40, S54, I acknowledge that as a condition of Building Permit Number	Building Permit shall be disposed of in a properly licensed solid waste disposal facility, as defined by MGL c 111 S 150A
c 4	a pr
MGI	of in
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sions	disp
provi	Il be
the I	shal
Jo	rmit
esult	B Pe
As a res Number	Building Perm
As	Bu

I certify that I will notify the Building Official by September 30, 1989

(Two months maximum) of the location of the solid waste disposal facility where the debris resulting from the said construction activity shall be disposed of, and I shall submit the appropriate form for attachment to the Building Permit.

8/8/89 Date Date

Signature of Permit Applicant

(Print or type the following information)

Dec-Tam Corporation

To Lowell Junction Road

Andover, MA

Address

Aren Ken Tent (MA)

Aren Fent Curler (MA)

Curler (MA) CHANCE IN COMPLETION D. SENOUNTED NOTALLY ON THE NOTALLY ON

In accordance with the provisions of MGL c 40, S 54, a condition of Building Permit Number is that the debris resulting from this work shall be disposed of in a properly licensed solid waste disposal facility as defined by MGL c 111, S 150A.

104

Meadowfill Corp. (IMS Landfill) The debris will be disposed of in:

000

5/1

ON

Clarksburg, W. VA

(Location of Facility)

Signature of Permit Applicant

1989 8 August Date

MENT OF HEALTH

DEMOLITION/RENOVATION

NOTIFICATION

252

10 LOWELL JUNCTION ROAD ANDOVER, MA 01801 (508) 470-2860 81 Old Windson Road Bloomfield, CT 06002 (203) 243-1513 DEC-TAM CORPORATION CONTRACTOR: CHANGE IN COMPLETION DATE-REFERENCE NOTIFICATION DATED Actn: Ken Tarr (MA)
Phil Cutler (other than MA) JFK BLDG., ROOM 2103 BOSTON, MA 02203 REGIONAL RENOVATION 6/12/89

V

14485

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.:1

617-273-1870 01803 Telephone No. Z1P_ MA State Burlington Public Schools 123 Cambridge Street Burlington, Facility Owner: Street Name

Fox Hill School Address of Project:

30+ Age ; Encapsulation 000,09 Intended Use (if known) 01803 Size Zip ; Enclosure Masonry MA Description of Facility - Type of Building State × Asbestos: Nature of Asbestos Activity - Removal school Approximate Amount of Friable Burlington Present Use of Facility Street

Square Feet: Linear Feet:

Start date

A.M.; 8/18/89 Completion Date 7/5/89

56,000

P.M.: Weekends

Description of work practices to be followed (to comply with 453 CMR 6.14) open removal, full set up

9 (5) Description of decontamination system (s) to be used (to comply with 453 CMR 6.14 three stage decontamination

and placing in double six mil poly prelabeled bags Description of handling/disposal methods (to comply with 453 CMR 6.14 (2) (g) water wetting material with amended

IMS Landfill ,address/location of disposal site (s) Clarksburg, WVA Nаше

ပ္ပ Name, address of transporter (s) if other than asbestos contractor Jeffrey Chemical 01887 EPA ID# MAD 080030356

Named of Asbestos Abatement Project Monitor (if applicable) 789 Woburn Street - Wilmington, MA

Person/Firm

Weymouth, MA

Address

8/10/89

Vice President, Signed by: Title:

Sales

Kon Licons Siene

1/2/10/10

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THE OF HEALTH

14465

The Commonwealth of Massachusetts DEPARTMENT OF LABOR AND INDUSTRIES DIVISION OF INDUSTRIAL SAFETY

NOTIFICATION OF ASSESTOS WORK

(In accordance with the provisions of M.G.L. c. 149, §6-6F and 453 CMR 6.12)

All sections of this form must be completed in order to comply with the notification requirements of 453 CMR 6.12.

TEN DAY PRIOR NOTIFICATION IS REQUIRED OF ANY ABATEMENT PROJECT GREATER THAN THREE (3) LINEAR OR SQUARE FEET

84/1/

3

PPP

19

DIT FILE NUMBER	1
Contractor performing project Dec-Tam Corporation License # AC00035	
Address of Project	
Suilding Name (if any) Fox Hill School	
ران المان المان الم	
City Burlington, MA 312 01803 Phone	
SERVICE CYPE (CITED ORE): SERVICE NOTITION SERVICE (CITED)	Pi Pi
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TORTORE GETETOOSSE WOLTHERSONE (eno elemin) . Whitehold and elemino)	E E
a C ZNL 2	F. 1
	1
sessos surísce on scructures come asoses come soures come source come source for singles or ducts to be removed, enclosed or encapsulated 56,000 SQUARE FIX	13
Start date 7/5/89 am X care weekends?	100
Completion Date 8/18/89	
William Bailey Certificate # SF01468	-
(by owner) Special Lab Name Certified Engineering Certificate #	
Name & Address of disposal site(s) IMS Landfill	1
Clarksburg, WVA	

E ST ST

Licone

Address

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Burlington Public Schoole Burlington Public Schoole State AA State AA Zip 01803 Wal, full set up econtamination e decontamination		Thrombon.		State
Burlington Public Schoole 123 Cambridge Street State In, And State State And And State And And And And And And And An	's asbestos contract written or verbar'. 's asbestos contract Compensation misurer. 'ontosector's Workers' Compensation Mumber.	1 0 1		Sold of the state
123 Cambridge Street State MA Zip 01803 n, work practices to be followed: val, full set up econtemination system(s) to be used e decontamination	Burlington Pu		A Land Basel	TO OF THE STATE OF
n, work practices to be followed: val, full set up econtemination system(s) to be used e decontamination	23 Cambridge Street		01803	de la
open removal, full set up secription of decontamination system(s) to be used three stage decontamination	City Burlington,			
escription of decontamination system(s) to be used three stage decontamination	open removal, full set up		TOTAL METERSON	
three stage decontamination		TO SERVICE TO THE PERSON NAMED IN COLUMN NAMED		
three stage decontamination	escription of decontamination system(s) to be us	ed		
	three stage decontamination		e Broller	· STATE OF
		Too Build School		

same and address of cransporter(s) if constructs assesses contractions Wilmington, Jeffrey Chemical 739 Woburn St.,

elduce at

Wetting material with amended water and placing

5-mil poly bags

to the bast of פונה הפום התפ the undersigned hereby states, under the paralcies of parjuly, that he/sha temporal, containment or incapsulation of Hassachusetts Regulations for that information contained in this notification is true and correct Misther Anowledge and belief.

8/10/89 CETE

CHANGE IN COMPLETION DATE REFERENCE NOTIFICATION DATED

Vice Puesident, Sales Dec-Tam 12124 כמשבבבה: 3:1:0: Signed:

Please return this form to:

Asbestos Concrol Technical Services Department of Labor and Industries Division of Industrial Safety 100 Cambridge Street, Room 1301 02202 Boston, Its

3049a/2

ON

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NOBEL TO HEMUTAL DESCRIPTION

DEPARTMENT OF ENVIRONMENTAL QUALITY ENGINEERING DIVISION OF AIR QUALITY CONTROL

14465 [SEE LAST PAGE FOR OFFICE LOCATIONS]

NOTIFICATION FORM FOR ASBESTOS REMOVAL AND GENERAL DEMOLITION/RENOVATION

APPLICABILITY

Demolition/Renovation operations involving asbestos-containing material (ACM) and general Demoli-in/Renovation operations are regulated by the Department of Environmental Quality Engineering IEQE), Division of Air Quality Control, under Regulations 310 CMR 700, 7.09 and 7.15. Notification to the EGIONAL OFFICE of general demolition/renovation operations and demolition/renovation operations volving ACM is required under 310 CMR 7.09 (2) and 310 CMR 7.15 (1) (b) Iwenty (20) days prior to any work informed. The following information is required pursuant to 310 CMR 7.15.

Copies of "Regulations for the Control of Air Pollution", 310 CMR 600 to 8.00 may be purchased from State Bookstore, State House, Room 116, Boston, Massachusetts, 02133. Telephone number (617) 7-2834. Please Print.

CHANGE IN COMPLETION DATE-REFERENCE NOTIFICATION DATED

6/12/89	В	GENERAL PROJECT DESCRIPTION
FACILITY Fox	Hill	SchoolTelephone:(617)_273-1870
Street Address:		. 60,000 Clly/Town: Burlington, MA
Size of Facility: In s	quare	60,000
in n	umber	of floors:1
Was the Facility but Current or Prior use	Il prior	of floors: 1 to 19807 yes X no
Is the Facility Occup	rbeic	Yes_X No
CILITY OWNER Burli	ngto	Public Schools 617 273-1870
Street Address:	123	Cambridge St City/Town Burlington, MA
ALL DESIGNATION OF THE PARTY OF		
Name: Certif	ied	Engineering
Street Address:	46	(by owner) Engineering Telephone: (Weymouth, MA Cily/Town
ERAL CONTRACTOR		the state of the s
Name:		A DECEMBER OF THE PARTY OF THE
Street Address:	•	Telephone: ()City/Town
delined and soulle	erem	containing Material (ACM 7.00 and 7.157 Yes Ho
AND TURE		

1.	ASBESTOS CONTRACTOR Dec-Tam Corporation Telaphone: (617) 470-2860
	Name: Dec-Tam Corporation Telephone: (017) 475 Suppl Address: 10 Lowell Jct. Rd. City/Town: Andover
	Street Address: 10 Lowell Jct. Rd. CityTown: Andover
	Department of Labor and Industries Certification #_AC000035
2.	OH-SITE SUPERVISOR
	Name: William Bailey SF01468
	Department of Labor and Industries Cartilication
3.	SPECIFIC WORKSITE LOCATION(S) (i.e. Building name, number, wing, Floor, room, turnel. Is the job indeer or outdoor?)
4	ESTIMATED AMOUNT OF EACH TYPE OF ACM TO BE HANDLED (In linear and/or equare leel)
	boiler, breeching, duct, tank surface coatings thermal, solid core pipe insulation corrugated or layered paper pipe insulation insulating cement spray-on fireproofing trowe/spray coatings cloths, woven labric
	transile board, wall board ceiling tile ceiling tile
	56,000 TOTAL IN LINEAR FEET TOTAL IN SQUARE FEET
5.	DESCRIPTION OF TECHNIQUES USED FOR ESTIMATION
ь.	ASBESTOS REMOVAL START DATE: 7/5/89 END DATE: 8/\$8/89 HOURS OF OPERATION: X daytime OPERATION: X MonFrl.
	(HOLE: Any changes in these dates must be reported to the appropriate regional attention to the state of the
7.	y glove bag
	enclosure
	—— disposal only
	Other - please describe
8.	TRANSPORTER OF ASBESTOS-CONTAINING WASTE MATERIAL FROM SITE TO TEMPORARY Namo: Jeftrey Chemical Supply Address: 70.0 cm.
	Name: Jeftrey Chemical
	Sheet Address: 789 Woburn St Cllyflown Will.
D. '	Sheel Addiess: 189 Woburn St Clyffown Wilmington, MA Name: SAME IN FINAL DISPOSAL SITE MATERIAL FROM BEAUCH Name: SAME IN FINAL DISPOSAL SITE
1	CAME IN CAME DISPOSAL SITE MATERIAL FROM DELLERA
	TRANSPORTER OF ASBESTOS CONTAINING WASTE MATERIAL FROM REMOVALITEM. Namo: _ SAME 'AS ITEM 8 CityTown

6/11/83

REFUSE HANSFER STATION FACILITY AND OWNER OF APPLICABLE)		
Norte: SAILE AS TIEL		
Street Address: City/Town:		THE PARTY OF SHIRT HARMOND WINDS
Manual Street St	E PREPAR	ER OF FORM
(NOTE: Transfer Stations must comply with the Division of Solid Waste Regulations 310 CMR	E PREPAR	21101101
(NOTE: Transfer Stations thus comply than the	C	Telephone: (617)470-2860
the state of the s	Namo: Dec-Tam Corporation	d choroun Andover
11. FINAL DISPOSAL SITE Name: IMS Landfill (elephone: (, · .)	Name: Dec-Tam Corporation Street Address: 10 Lowell Jct. R	BY THE RESPONSIBLE OPERATOR OF THE PRO-
Name: Ins Landilli	THIS FORM MUST BE SIGNED BY THE OWNER OR	BY THE REST ON SIDEE ST.
Street Address: City/Town Clarksburg, WVA	POSED PROJECT.	THE BEST OF MY
Owner's Name: Barbara RIIIIe	CERTIFICATION: I CERTIFY THAT I HAVE EXAMIN	ED THE ABOVE AND THAT TO THE BEST OF MY ATURE SUBJECTS SIGNER TO THE PROVISIONS E AND MISLEADING STATEMENTS).
(NOTE: Disposal of ACM must comply with the Division of Solid Waste Regulations 310 CMR 1900)	KNOWLEDGE IT IS TRUE AND COMPLETE. SIGN OF THE GENERAL STATUTES REGARDING FALSE	E AND MISLEADING STATEMENTS).
12. FOR EMERGENCY ASBESTOS REMOVAL OPERATIONS, NAME AND TITLE OF DEGE OF	OF THE GENERAL STATULES	Vice President, Sales
FICIAL WIND EVALUATED THE EMERGENCY	Lang Hell	(TITLE)
Name:	(ISIGNATURE)	8/10/89
Date of Authorization:	Dec-Tam Corporation	
Die G. Velleriteiteit.	(REPRESENTING)	(DATE)
D GENERAL DEMOLITION/RENOVATION DESCRIPTION		PER CONTRACTOR OF THE
1. DEMOLITION/RENOVATION CONTRACTOR		at State
Name: Telephone: ()	F REGIONAL O	FFICE LOCATIONS
Street Address: City/Town:	THE RESERVE THE PARTY OF THE PA	· ·
1 2. ON-SITE SUPERVISOR	AIR QUALITY SECTION CHIEF	AIR QUALITY SECTION CHIEF
	DIVISION OF AIR QUALITY CONTROL	DIVISION OF AIR QUALITY CONTROL
Name:	MET BOSTOH/NOMTHEAST REGION S COMMONWEALTH AVENUE	MAIN STREET
3. SPECIFIC WORKSITE LOCATION(S):	WOBURN, MA 01801	LAKEVILLE, MA 02347
	TOTAL BIOLOGICAL TOTAL	TELEPHONE: (617) 947-1231
	TELEPHONE: (617) 935-2160	OR 727-1440 X680
4. WAS THE FACILITY SURVEYED FOR THE PRESENCE OF ASBESTOS CONTAINING MATERIAL 1	ON 727-5194	
1 (ACM)? yes no	AIR QUALITY SECTION CHIEF	AIR CHAIR IN A PROPERTY OF THE PARTY OF THE
. WHO CONDUCTED THE SURVEY?	DIVISION OF AIR QUALITY CONTROL	AIR QUALITY SECTION CHIEF DIVISION OF AIR QUALITY CONTROL
Name:	WESTERN REGION STATE HOUSE - WEST	CENTRAL REGION
Department of Labor and Industries Certification #:	436 DWIGHT STREET - 4th FLOOR	75 GROVE STREET
	SPRINGFIELD, MA 01103	WORCESTER, MA 01605
5. DEMOLITION/RENOVATION START DATE: END DATE	MAIL TO: P.O. BOX 2140	a compress.
6. DESCRIPTION OF DEMOLITION/RENOVATION PROCEDURES TO BE USED	TELEPHONE: (413) 785-5327	TELEPHONE: (617) 792-7653
The second secon	(413) 783-3327	CONTRACTOR STATES
	C I I SWILL THE WALLEST OF PARTICIPATION OF	In the second of
(NOTE: Demolition/Renovation Operations must comply with 310 CMR 7.09 to control emissions to prevent a condition of air poliution.)	THE PERSON NAMED IN COLUMN ASSESSMENT AND ADDRESS.	The same of the last pages of
		For official use only:
7. FOR EMERGENCY DEMOLITION/RENOVATION OPERATIONS, NAME, TITLE AND AUTHORI- TY OF STATE OR LOCAL OFFICIAL WHO EVALUATED THE EMERGENCY Name:		original use only:
Name:		original resubmittal
Title:		notification incomplete/returned
Authority: Date of Authorization:	A STATE OF THE PARTY OF THE PAR	Date cert.mail #
(GENERAL SIXTEMENT. If Asbestos-Containing Material is unexpectedly bound or demaged during a Demoil- lon/Renovation operation, all responsible parties must comply with 310 CMR 7.00, 7.09, 7.15 and Chapter 21E of the General Laws of the Commonwealth. This would include but would not be limited to filling an action to		
ZIE of the General Laws of the Commonwealth, This would be had a 10 CMR 7.00, 7109, 7.15 and Charles	The Real Property lies and the Party lies and the P	The second secon
coleockin na gnilil of botinil ad Ion boow in a contract of		THE RESERVE TO SERVE THE PARTY OF THE PARTY



The Common wealth of Massachusetts

Dynamor of Relle Soly

Permit No.

Occupancy & Pee Checked // (Leave blank)

BOARD OF FIRE PREVENTION REQUIATIONS FPR-11, RULE & Effective 1/1/#8 AID APPLICATION FOR PERMIT TO PERFORM ELECTRICAL WORK

All work to be performed in accordance with the Massachusetts Electrical Code. PPR-11

	7-18 1989
City/Town of: Bu-ling ten	JUL 19 1989
of Wiress	to perform the electrical w
TOX Hill	
Omer or tenant Bus line ten Public School	123 Combidos St.
n conjunction with a building penal!"	×
Purpose of Building Public School	1/0
Service Amps	20 /208 Volte No. of waters /
	Increased from
ed Electrical Vork	643 - 1x4 2 12mp
1230641	DETAIL (See attached schedule.
Location of Room Light Sw. Pluge Pixt-	Lineation of Room Lient Sw. Plues Plats.
Intim Blds 643	
	03%,
	880618
	9
No. of 3v. Out.	Heat - Dype
No. of Outlete Lt.	011
No. of Motors	the
96	Hot water - Motors and bize
Range Name plate rate	4
Water Heater Name plate rate	Page.
Size of S. E. Canductors	
Work to Start 7-25-89 Inspection Date Requested	queeted 8-25-89 Permit Per No Cha
Penalties of Perjury:	
Licensee WALTER B. STOCKWOOD, INC. Signath	Signature No. A-4022 (Please Sign)
burn, MA 01	
	(21p Code)

Supplemental information on forms furnished by the inspectors of vires shall be mailed or delivered by the applicant by this interested of vires.



Inspector must be notified when soil, drain pipes, and all connections therewith are placed in position.

257 FOVUILL

Application for Permit to Do Plumbing

BURLINGTON, MASSACHUSETTS MANACHUSETTS 1924.	The undersigned hereby applies for a permit to perform plumbing work, according to the following specifications: 1. Location of Building No. Fry MM School Proceeding to the following No acceptance of Building No. Fry MM Searest cross Street	Name of Owner Name of Plumber (2) Carllallan Material of Building How is the Building Occupied?	How many families? Is the building erected on solid or filled land?	How much below the grade of the Street is the cellar bottom?	Basement First Story Madeine Dignard Management	
To Plu	The specificati	2. Name 3. Name 4. Materia 5. How is	6. How m 7. Is the b	8 How m	Basement First Story	-
	parib	liud yreve tol	periuper	application 1	Separale	

Focation, ownership and detail must be complete and legible

PLUMBERS MUST RECEIVE A PERMIT BEFORE COMMENCING WORK

ADDRESS 221

SIGN HERE

T. BTONY OBANGOS BEAL

ARCHITECTS MEMBERS OF THE AMERICAN INSTITUTE OF

0

h of

PATED FI

ARCHITECTS 186 DEVONSHIRE STREET, BOSTON, MASSACHUSETTS, LIBERTY 2-1879 J. WILLIAMS BEAL SONS, GRANGER & POSKUS,

June 23, 1966

Mr. Paul Johnston Inspector of Buildings Town of Burlington Burlington, Mass. Re: Elementary School No. 5 Burlington, Massachusetts

Dear Mr. Johnston:

Please find enclosed copies of concrete tests of classroom floor slabs, Units 2, 3 and 4, submitted by Herman G. Protze.

Very truly yours,

Herbert W. Hatch.

Herbert W. Hatch

HWH:emc Enc.

DEPARTMENT OF HEALTH TOWN OF BURLINGTON MASSACHUSETTS



SEWERAGE INSTALL PRIVATE DISPOSAL SYSTEM PERMIT TO

1	1	9 9
	P	2 19
9	25	Lea
	9	Burlington,
No.	Fee	Bur

Mass.

Mass.

Burlington,
Sewerage Disthe Agent of (Ly (Street) to install a private sewerage system at Fax schull Massachusetts. This permit is issued with the provision that posal Regulations of the Town of Burlington, the following the Board of Health before backfilling. Permission is hereby granted to M. Lateralli, A Lone aleB. of \$1.0.K.

SYSTEM SPECIFICATIONS FOR SEWERAGE

arper

rade of House Sewer Depth Below Final Grade at Consists of Septic Tank Cesspool Privy Vault Septic Tank Cubic ft., Screening Ventilation Cesspool Privy Vault Cesspool Tit., Depth Below Inlet Pipe ft., Screening Ventilation Cesspool Distance Apart ft., Property Lines Valles, Wells, Streams, Drainage Ditches Tit., Depth Below Inlet Pipe ft., Property Lines Valles, Wells, Streams, Distance Apart ft., Property Lines Mumber of Pits Distribution Box Title Field Seepage Pit Distance from Building ft., Property Lines Distance from Building ft., Property Lines Distance from Water Lines, Wells, Streams, etc. Number of Laterals ft., Property Lines Distance from Water Lines, Wells, Streams, etc. Number of Laterals ft., Property Lines Distance from Water Lines, Wells, Streams, etc. Number of Laterals ft., Property Lines Distance from Water Lines, Wells, Streams, etc. It., Property Lines Ft. of Pipe Depth of Stone Below Pipe in., Grade of Trenches & Pipe Depth of Bed ft. Distance Between Laterals Dimensions of bed ft. Distance Between Laterals Jimensions of bed ft. of stone Between Laterals Distance Consist of ft. of stone, and System on Reverse Side 1. Inspection Made 19	ft. of Bank Run	# #		ft/100 ft	# # # #	Leaching Bed ft.	ft.		
Percolation Diameter & Imary Treat Capacity of Capacity of Diameter of Distance fr Ondary Trea Seepage Pi Seepage Pi Tile Field: Tile Field: Tile Field: Tile Field: Tile Field: Tile Field:	Dimensions of bed ft., Distance Between Laterals ft., Dimensions ft. x ft., Distance Between Laterals ft. x ft., Dimensions ft. x ft., of sand & Gravel. Plan of System on Reverse Side 19 1. Inspection Made 19 2. Inspection Made 19	Dimensions ft. x	ft. x ft. x ft., Distance Between Lateral	in., Width in., Grade of Trenches & Pipe in., The in., Above Pipe in., Above Pipe paper (salt hay), Type	Number of Pits Distance from Building Distance from Water Lines, Wells, Number of Laterals	☐ Distribution Box ☐ Tile Field ☐ Seepage Pit ☐ ft., Depth Below Inlet Pipe		□ Septic Tank □ Cesspool □ Privy Vaul gals., ManholesCons cubic ft., Screening ft., Depth Below Inlet Pipe	
B. Pri							Number of Distance fr Distance fro		5



The Commontnealth of Massachusetts

OXHILL SCHOOL

DEPARTMENT OF PUBLIC SAFETY DIVISION OF INSPECTION

1010 Cormonsealth Avenue Boston 15, Mans.

On to bear 8, 1965

on, Hea

CERTIFICATE OF APPROVAL FOR PLANS AND SPECIFICATIONS

If any change is made in said plans or specifications, or in the use for which the building is designed, the Supervisor of Plans must be notified, and a new certificate obtained therefor

Joseph Tantosca

Supervisor of Plans.

Approved.

Chief of Inspections.

President

- This certificate of approval is issued subject to the regu-
- Ceneral specifications for preventing the apread of fire which apply to this building shall be carried out as directed by the state suilding inspector.
- Fedof all Those plens are approved subject to the previsions orel laws, rules and regulations.
- They are referred to Inspector Pasquale Pizzano of this office 1010 Commonwealth Avenue, Boston 15, Mass., telephone Longwood 6-4500 with whom you will take up all matters pertaining to same.

J. WILLIAMS BEAL SONS, GRANGER & POSKUS
ARCHITECTS
185 DEVONSHIRE STREET
BOSTON

Copy for Mr. Vincent Howard, chaiBeand of BHealth, Townief Burlington

July 12, 1965.

Mr. Herbert D. Nickerson District Sanitary Engineer Northeast Department of Public Health Building No. 4 Tewksbury, Massachusetts

Dear Mr. Mickerson;

Re: Burlington Elementery School

I am enclosing a topographical plan of land in Burlington that is under consideration for a new elementary school.

agent On Saturday, July 10th, in the presence of Mr. Vincent Howard, ag for the Board of Health for the Town of Burlington, percolation tests were made and it was established that in Hole #1 the percolation made was one inch in every 8 minutes: in percolation holes #2 and #3 the percolation was one inch in 9 minutes.

In viewing the test holes, the soil conditions are fairly unimenout the entire area. The test holes were dug to a depth of in throughout the entire area. The test holes were dug to a depth of 2 to 9 feet. With the soil being as uniform as it was, Mr. Howard felt that the percolation in any other percolation pits would be about

Prior to making the percolation tests, the percolation holes were saturated for a period of two hours as you had requested. If there is any further information that you would like, please do not hesitate to call me, and thank you for your co-operation upon my visit to your office.

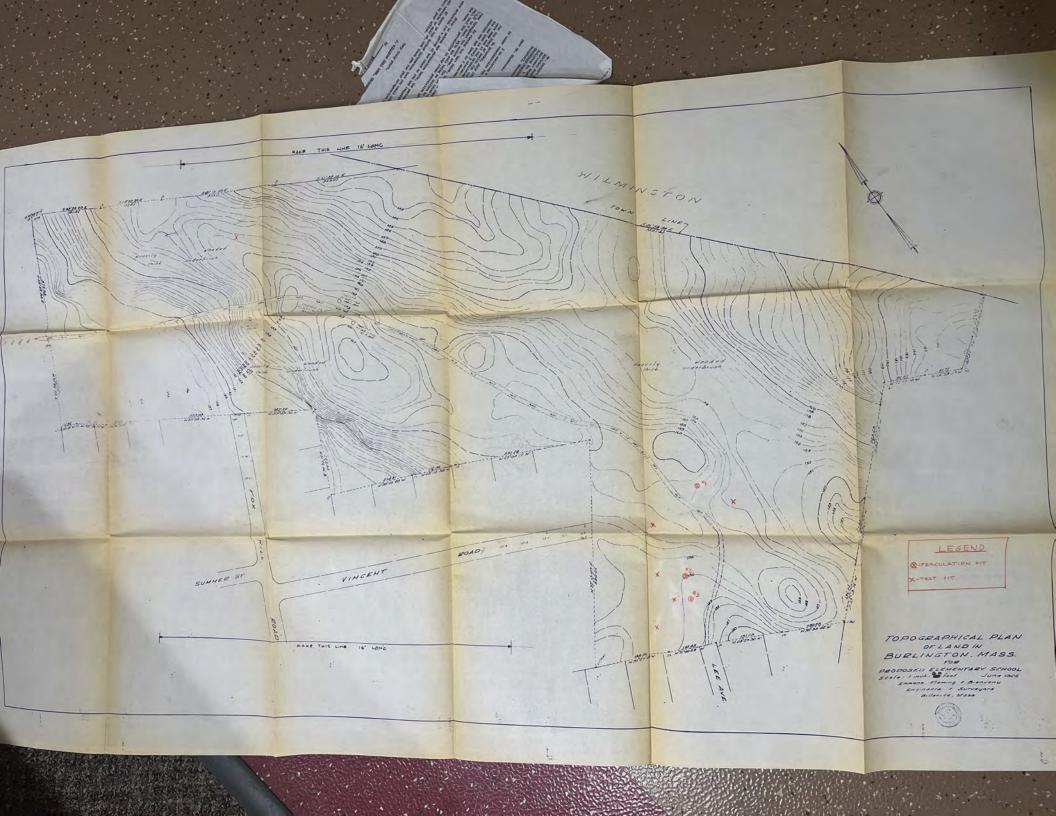
Very truly yours,

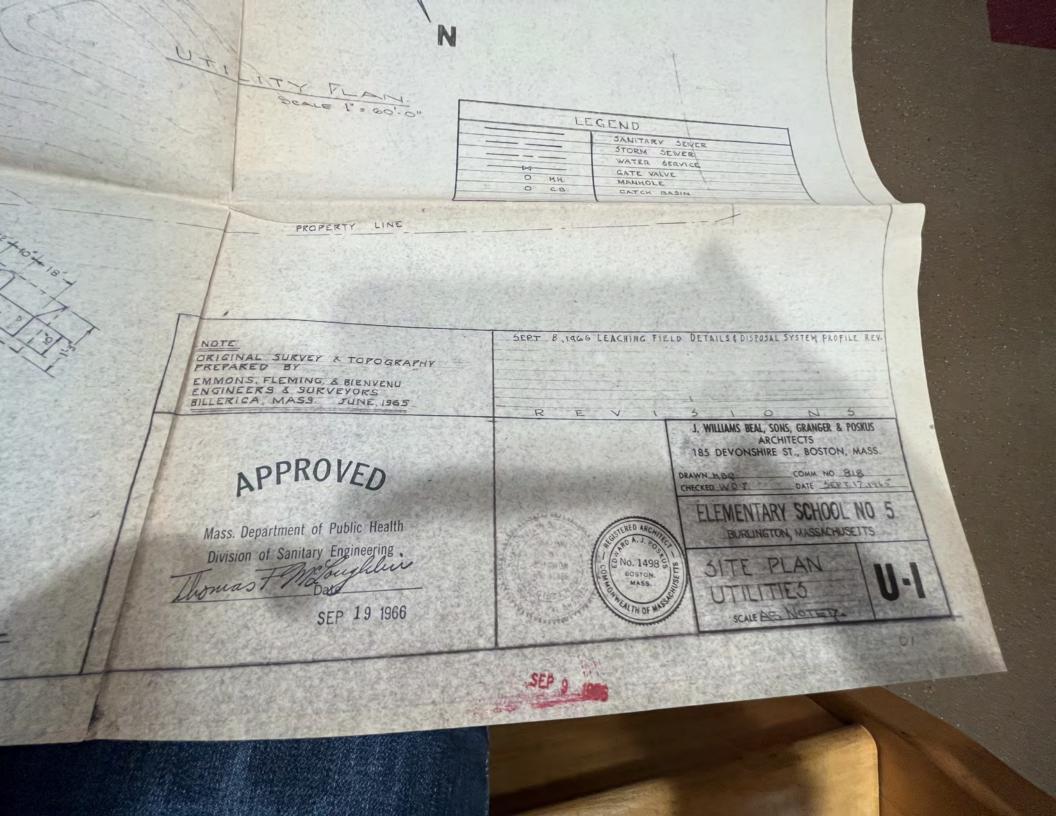
J. WILLIAMS BEAL SONS, CRANCEY

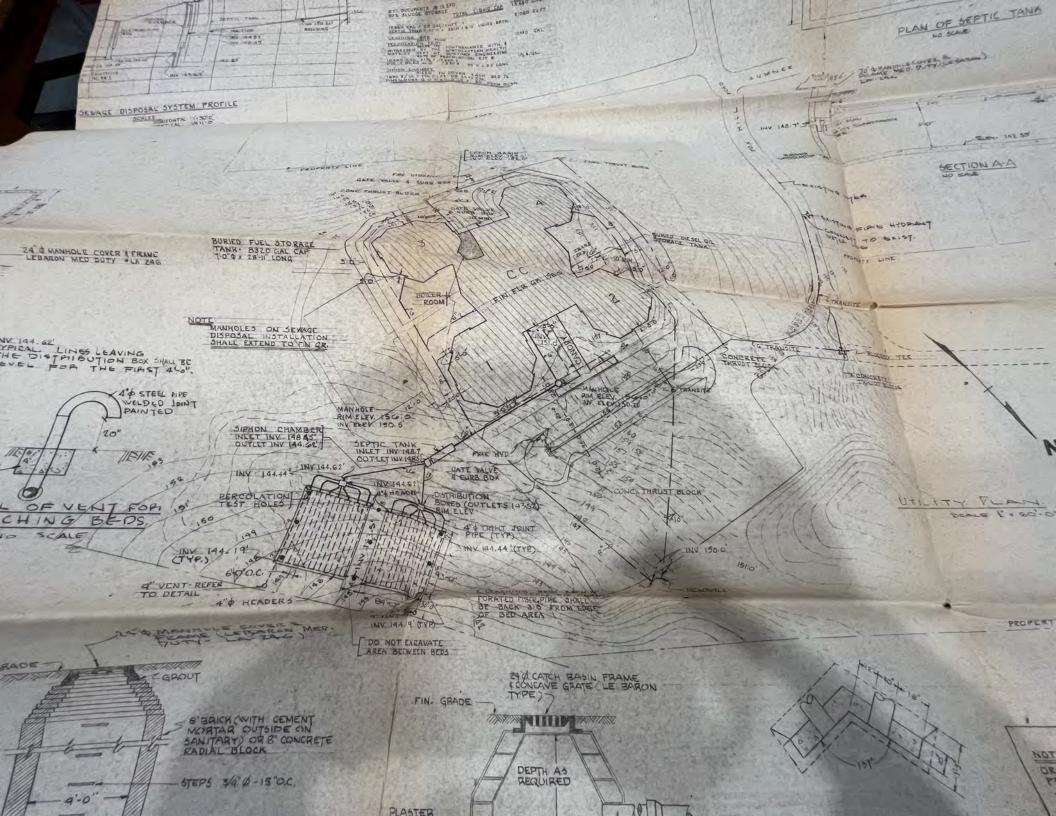
By

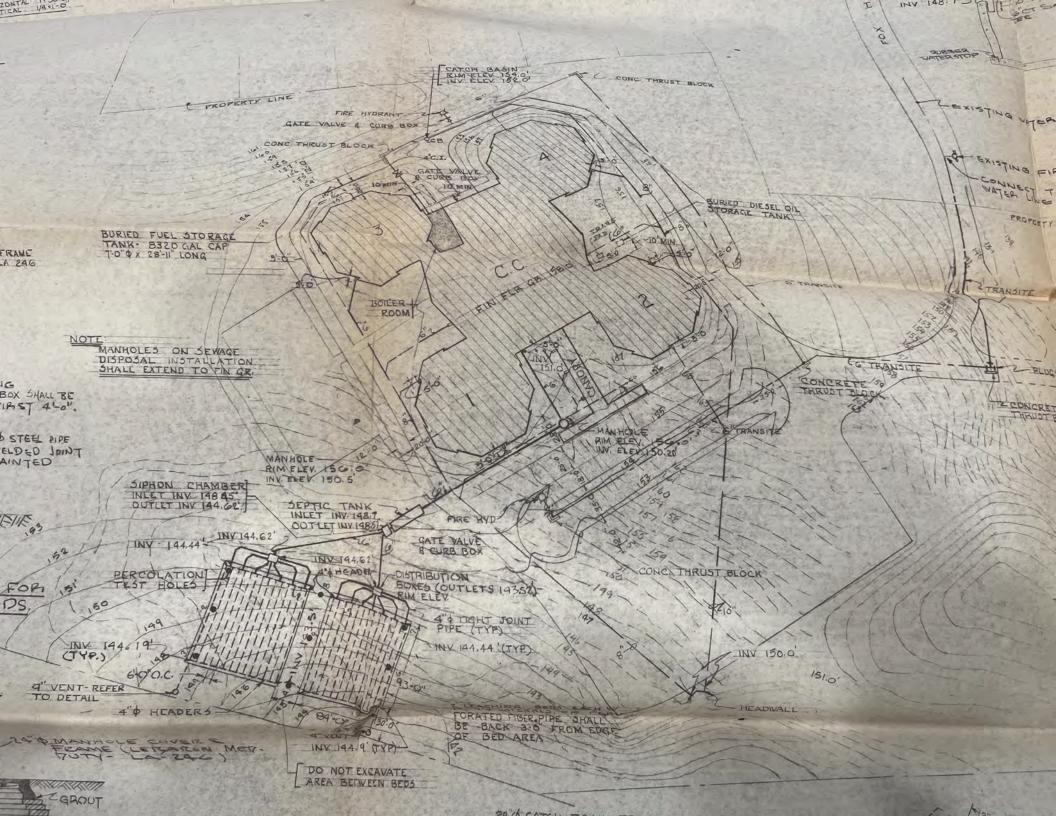
Rdward A. J.

TA TO-ofd









From: John Keeley
To: Cheryl Cambria

Cc: conservation@burlington.org
Subject: Re: Records Inquiry

Date: Friday, April 7, 2023 12:29:34 PM

Hi Cheryl

Conservation has no such records, as the Fox Hill School is not within 100 feet of wetlands. The Board of Health may have records, though. John

On Fri, Apr 7, 2023 at 11:17 AM Cheryl Cambria < cherylcambria@gmail.com> wrote:

Hi,

I am conducting an environmental assessment at <u>Fox Hill Elementary School at 252 Fox Hill Road in Burlington</u>. I am writing to request records pertaining to the use and storage of oil in underground or aboveground storage tanks and/or the spill or release of oil or other hazardous substance at this location.

I will be in the area on Wednesday, April 12 and could stop by your office to view files if more convenient.

Thank you!!

Cheryl A. Cambria

ECMS Associate

508-942-0366

--

John Keeley, Conservation Administrator
Town of Burlington | Conservation Department | 25 Center Street | Burlington, MA 01803 t 781-270-1655 | www.burlington.org

All email messages and attached content sent from and to this email account are public records unless qualified as an exemption under the <u>Massachusetts Public Records Law</u>.



Amy E. Warfield, Town Clerk, CMC Linda A. McNeill, Assistant Town Clerk Janice M. Archer, Senior Clerk

Daniel C. McCormack, CA Records Manager/Archivist Julie M. Michutka, Department Assistant

PUBLIC RECORDS REQUEST Information of Requestor Name: Address: City, State, Zip: Phone: Public Information Requested (Please specify in exact detail) NON-OFFICIAL (Fee to be determined by record clerk) **OFFICIAL** (Committee or Board) FOR OFFICE USE ONLY Date Information Released: Information Picked Up By: Fee Charged: Signature of Record Clerk: G:\TEMPLATES_FORMS_LABELS\Public Records Request Form.doc





INSTRUCTIONS

1. All sections of this form must be completed in order to comply with the Department of Environmental Protection notification requirements of 310 CMN 7.15 (fen working days prior notification is required of any abatement project); and the Department of Labor and Industries notification requirements of 453 CMN 6.12 (fen days prior notification is required of ANY abatement project greater than three linear or square feet).

2. Submit Original Form To: Commonwealth of Massachusetts Asbestos Program P.O.B. 120087 Boslon, MA 02112-0087

3. This form may be used for notifying the U.S. Environmental Protection Agancy Region 1 of asbestos demolitlor/ tendvation operations subject to NESHAPS (40 CFR Subpart M).

	For Official Use Only
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	December Date
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Commonwealth of Massachusetts Asbestos Notification Form — ANF-001

701921

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HAN	Asbestos Abatement	Description			

acility location: Fox Hill Scholl	, NO # - Fox	Hill Road
Game	Addiess	HIII Road
Burlington	01803	(617) 270-1814
ЛуЛови	Ilp axls	Telephane
boiler room ·		
Atral is the worksite location? building name, I, why, from, roo	nn.	
s the facility occupied? 🖄 Yes 🗀 No		
Asbestos Contractor:		
Dec-Tam Corporation	10 Lowell	l Jct. Road
Hame	Address	(500) (70, 200)
Andover	01810	(508) 470-2860
Cily/Iown	Zip cexie	l elephone
AC000035	written	
DCT Likense /	Contract Type (writtens) erbal	L .
On-Site Project Supervisor/Foreman:	**	
Charles Brewer	SF09713	
Name	DLI Certilkation /	
Project Monitor:		
RECON' Env.	ΑΛ0000	04
Hane	DLI Cortification /	
Asbestos Analytical Lab:		
same as 5		
Project start date 8:122195 end date 8:12 What type of project is this? (circle one):	demolition <u>repair</u>	renoration other (expizin) anclosure full containment cleanup
What type of project is this? (circle one): Describe the asbestos abatement procedure	22f 95specillo workhours (Mon demolition repair s to be used (circle): glove hap other (explain)	renoration other (explain)
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INSTITUTIONS

1. All sections of this form must be completed in criter to comply with the Unpartment of Environmental Protection netilication requirements of 310 CAM EAS (ten working days prior netilication is required of any abatement project); and the Bep artment of Labor and Industries notification is required of ARY abatement project president is required of ARY abatement project president in the Industries of Square feet).

2. Submit Oxiginal Ferm for Commonwealth of Massachusetts Arbestos Program P.O.S. 120087 Doston, MA 02112-0007

3. Hils form may be used for notifying the U.S. Erwisonmental Protection Agency Region I of asbestos demolition/rendvation operations subject to HESHAPS (40 CHI Subpart M).

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Commonwealth of Massachusetts. Ashestos Notification Form — ANF-001

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A Asbestos Abatement Description

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	Hroe Andover	Addies O£810	(508) 470-2860
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TOWN OF BURLINGTON

Board of Health 61 Center Street Burlington, MA 01803

Main Office Phone: (781) 270-1955 Fax: (781) 273-7687 Sharon Walker Mastenbrook, Director of Public Health – (781) 270-1954 Heidi Porter, Environmental Engineer – (781) 270-1956 Marlene Johnson, Health Agent – (781) 270-1949 Nurse's Office Phone: (781) 270-1957 Fax: (781) 270-1605 Judy Baggs, Supervising Nurse – (781) 238-4688 Dianne Luther, Public Health Nurse – (781) 505-1139 Website: www.burlington.org/clerk/BOH/boh

MEMORANDUM

TO:

Planning Board

FROM:

Board of Health

DATE:

June 29, 2006

RE:

Application for Approval of Site Plan Waivers

Fox Hill School, 252 Fox Hill Road Memorial School, 119 Winn Street

The Board of Health has reviewed the above applications and met with the proponent and understands the proposed work will consist of the following:

- Installation of portable trailers to comprise an average 2,400 square foot temporary classroom area at each location;
- They will have restrooms;
- At Memorial School, utilities will tie into building;
- At Fox Hill School, the sewage connection will be a separate connection to the sewer outlet pipe at the site due to the school's slab on grade construction;
- The buildings will be heated via electric units;
- No food will be served in these classrooms; and
- The classrooms are expected to be on site for up to 3 years.

At its regularly scheduled meeting on June 27, 2006, the Board of Health voted to approve the referenced applications and has no significant comments.

Subject: Fox Hill and Memorial Schools - Site Plan Waivers

From: Heidi Porter hporter@burlmass.org
Date: Thu, 29 Jun 2006 17:43:36 -0400

To: Bernie Schipelliti <bschipelliti@burlmass.org>, "Bob Mercier (rmercier@burlmass.org)" <rmercier@burlmass.org>, John Clancy <jclancy@burlmass.org>, "John Keeley (jkeeley@burlmass.org)" <jkeeley@burlmass.org>, Kristin Hoffman <khoffman@burlmass.org>, "Lee Callahan (lcallahan@burlmass.org)" <lcallahan@burlmass.org>, "Mike Hanafin (mhanafin@burlmass.org)" <mhanafin@burlmass.org>, "Pauline Crusco (pcrusco@burlmass.org)" <pcrusco@burlmass.org>, "Tom Hayes (thayes@burlmass.org)" * Yourd of the State of the

Final Board of Health comments on the referenced proposals are attached.

Heidi Porter, MPH Environmental Engineer Town of Burlington Board of Health 61 Center Street Burlington, MA 01803 phone: 781-270-1956 fax: 781-273-7687 email: hporter@burlmass.org

Fox Hill and Memorial Schools - SPW.doc

Content-Type: application/msword

Content-Encoding: base64



252 Fox Hill Road - MEC

Christine Mathis <cmathis@burlington.org> Wed, Jul 30, 2014 at 2:02 PM To: Marlene Johnson <mjohnson@burlington.org>, Susan Lumenello <slumenello@burlington.org>, Bernie Schipelliti

<br/

Board of Health comments are attached.

Christine Mathis, Environmental Engineer Burlington Board of Health 61 Center Street Burlington, MA 01803 Tel: 781-270-1954 Fax: 781-273-7687

Fox Hill Road 252 - MEC.doc





By Town Clerk's office at 2:03 pm, Aug 11, 2014

TOWN OF BURLINGTON

Planning Department

Paul F. Roth, Member Clerk

Ernest E. Covino Ann M. Cummings Impemba John D. Kelly, Chairman

Barbara L'Heureux, Vice Chairman Paul R. Raymond Joseph A.

MEMO TO:

Amy Warfield, Town Clerk

FROM:

Don Benjamin, Senior Planner

DATE:

August 11, 2014

RE:

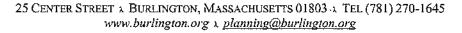
Decision - Application for Approval of a Minor Engineering Change -

252 Fox Hill Road, Pandolfo Company, Inc, Applicant.

At their meeting of August 7, 2014 the Planning Board made the following motion, approving the above referenced application:

MOTION – To approve the request of Pandolfo Company Inc, for property located at 252 Fox Hill Road, for a Minor Engineering Change to pave (asphalt) an existing stone dust/gravel drive, as reflected on the Plan entitled, "Site Plan in Burlington, MA, Fox Hill, Fox Hill Road, Burlington, MA," dated June 1, 2006, received in the Planning Department July 11, 2014, prepared by KBA Architects, subject to the following revisions, terms and conditions:

- 1. All previous conditions of approval granted to this property shall continue to remain in effect, as modified by this decision;
- 2. The applicant and/or property owner shall comply with all building and fire safety codes, and all recommendations and conditions of the Inspector of Buildings and Fire Department pertaining to such codes.
- 3. The applicant/property owner shall comply with the following requirements of the Board of Health:
 - 1. In the event that the proposed activities result in the accumulation of stagnant water or alteration of drainage patterns at the Site or adjacent properties, the proponent shall apply to the Board of Health for a Drainage Permit. As part of the Drainage Permit application, a drainage plan prepared by a professional engineer shall be submitted to ensure stormwater at the site is properly controlled and does not impact neighboring



Joe Pandolfo Pandolfo Company, Inc. P.O. Box 1068 Burlington, MA 01803



Town of Burlington Planning Board 25 Center Street, Burlington MA 01803 Phone: 781-270-1645

http://www.burlington.org/community_development/planning.php

FORM V APPLICATION FOR A MINOR ENGINEERING CHANGE

То:	The Plannin Town of Bu		assachusetts		Date:	JULY 10, Z	.014	
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Addres	s: 252	FOX.	HILL ROAD-	BURLING	OTON, M.	A 01803		
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Prepar	ed By: K	34 AL	CHITRETS — K	N164T, BAG	LES ANORI	www.INE - BOS	TON, MA	
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FILING INSTRUCTIONS

It is recommended that you call 781-270-1645 prior to filing an application to arrange a submission appointment with the Senior Planner

Upon completion of the application, file the following with the Planning Department:

- Completed original application (ALL PAGES).
- Six folded paper copies of the current approved plan of record, redlined on all affected pages to show proposed change(s), and any other supporting documentation required.
- One set of submittal material and plans must also be in electronic pdf format
- Application Fee (Check or Money Order made payable to The Town of Burlington)

The Planning Department will stamp the application "received", issue a receipt for the fee and assign a meeting date at which time this matter will be scheduled to be discussed by the Planning Board.

Planning Department: Application & Fee Received By (Stamp/Initial):		
Receipt# <u> </u>	Planning Department JUL 1 1 2014	
Amount: 身 \$ 500,00	Received	
Rev'd By: J. Gelmas		



TOWN OF BURLINGTON

Planning Department

Kristin Kassner, Planning Director

Don Benjamin, Senior Planner Josh Morris, Assistant Planner Jennifer Gelinas, Principal Clerk

Date:

July 14, 2014

To:

Board of Health

Conservation Engineering Police

From:

Jennifer Gelinas

Principal Clerk

RE:

252 Fox Hill Road

Attached please find a Minor Engineering Change plan and Application for the above referenced property. This application seeks to asphalt pave a 12' wide surface in an existing gravel/stone dust access roadway. This matter has been placed on the Planning Board agenda for August 7, 2014 so please forward any comments you have by August 1, 2014.

If you should have any questions, please contact me at 1645. Thank you for your cooperation with this matter

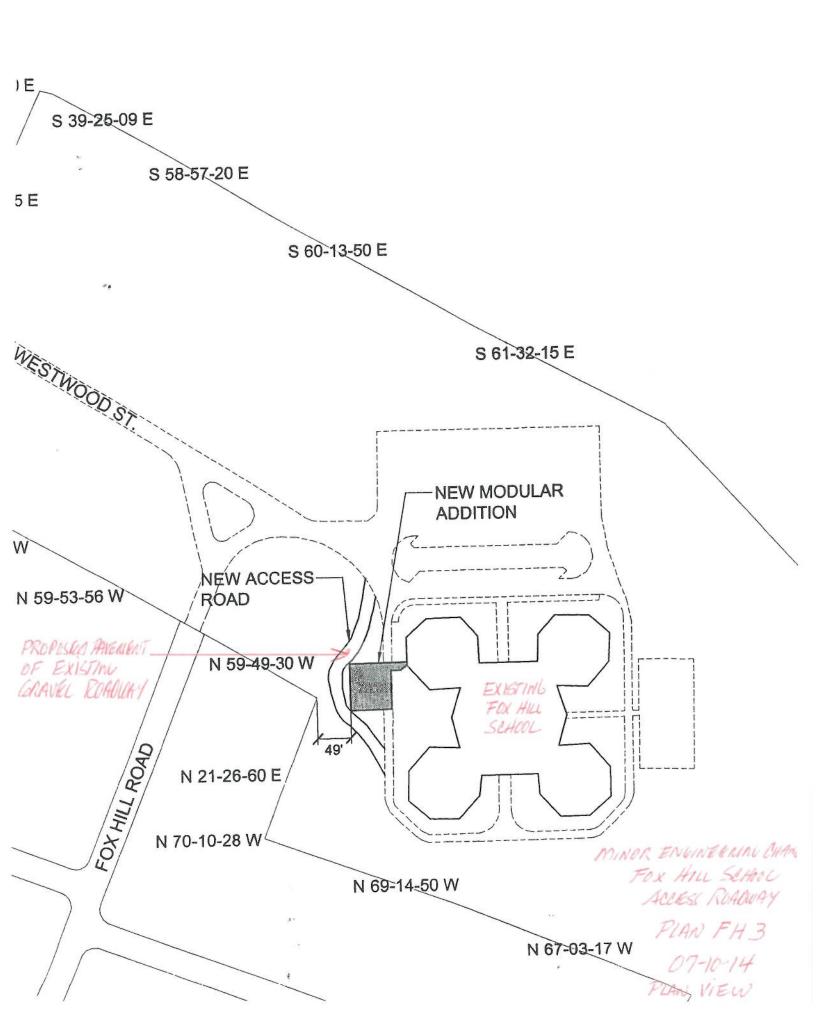


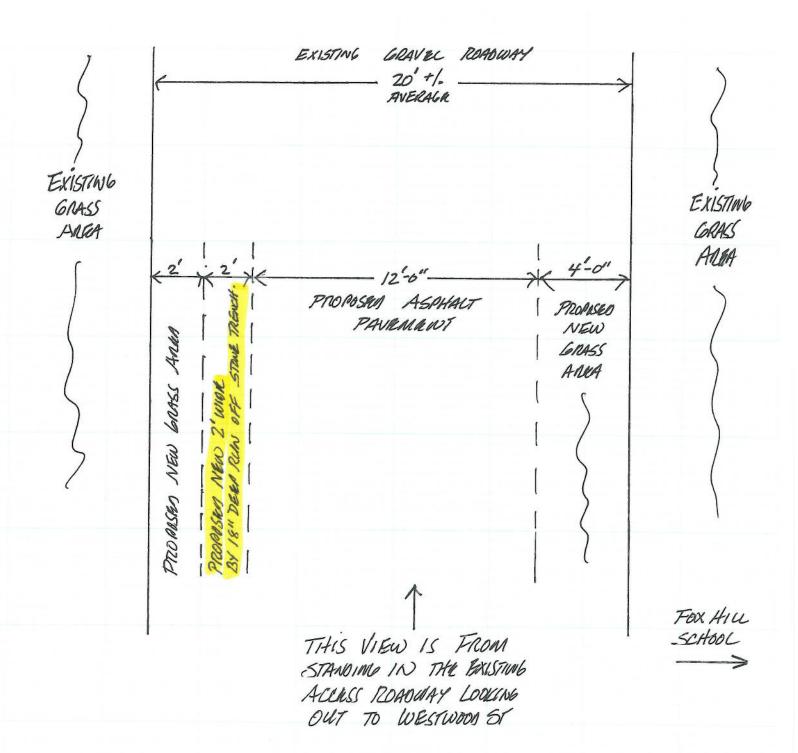
MINOR ENGINEERING CHANGE - PROPOSED CHANGE

RE: FOX HILL SCHOOL ACCESS ROADWAY

- 1. On June 15, 2006, the Planning Board approved the installation of temporary portable classrooms with an access roadway.
- 2. Condition # 6 of the approval stated that the access drive shall not be more than 10-12 feet wide and shall be of a permeable type material such as gravel or stone dust.
- 3. It was not anticipated at this time that this access roadway would actually become the main driveway used by parents to circle around the building to drop off students and also to be used for all deliveries to the school. (Please see picture # 1.)
- 4. Along with being a big nuisance to the parents when dropping off their children, this gravel roadway has been a safety concern for a few years now due to pot holes that develop weekly and gravel that washes out onto Westwood Street with cars and trucks tires picking up these stones and tossing them back towards oncoming pedestrian and automobile traffic. (Please see pictures # 2 & # 3.)
- 5. The attempted winter maintenance of this roadway is very costly and with all the snow, freezing and thawing that occurs during these months, it becomes an unrealistic task in that any repairs made on Monday are wiped out by the following Friday.
- 6. Due to all the added gravel put down over the years to fill in the pot holes, the actual width of the roadway is now an average of 20 feet wide. (Please see picture # 4.)
- 7. Since this roadway is used as a very important access to the safe operation of the Fox Hill School flow of traffic, the gravel surface does not meet the needs of the roadway and because it is so densely packed, it is not a permeable surface, therefore it would be a better choice to asphalt pave a 12' wide surface for this access roadway and restore the grass area as shown on submitted Proposed Plans FH3 & FH4 dated 07-10-14.

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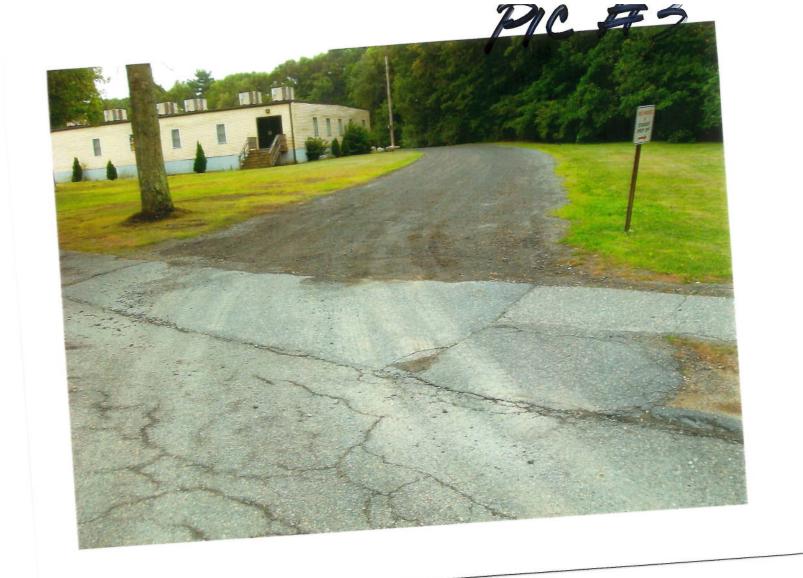


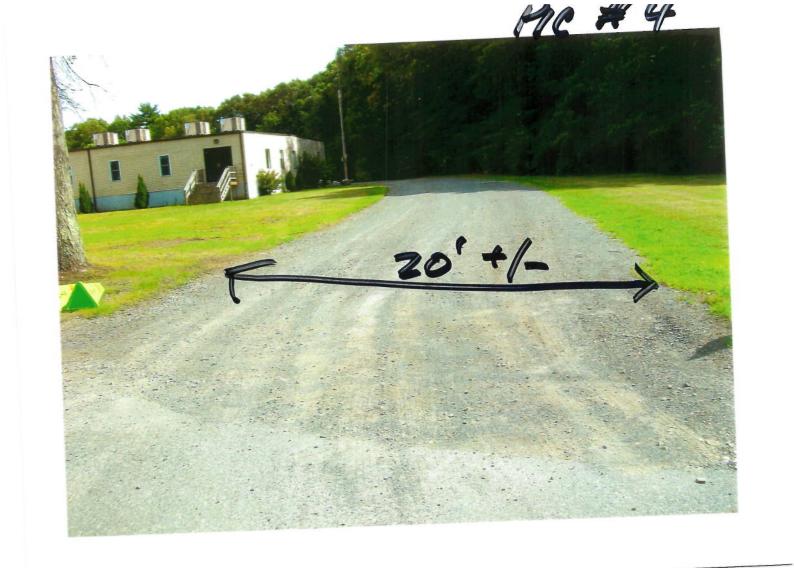


MINOR ENGINEERANG CHANGE
FOX HALL SCHOOL
ACCESS TOARWAY
PLAN FH 4
07-10-14
PROPOSED DETAILS











TOWN OF BURLINGTON

29 CENTER STREET
BURLINGTON, MASSACHUSETTS 01803



TOWN HALL (781) 270-1600 • FAX (781) 270-1608 • E-MAILTINFO@puthnassigrg 3: 00

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TOWN CLERK BURLINGTON, MA

DATE:

June 30, 2006

TO:

Jane L. Chew, Town Clerk

FROM:

Kristin E. Hoffman, Assistant Planner

RE:

Decision - Application for Approval of a Site Plan Waiver

- 252 Fox Hill Road, Fox Hill School -Burlington School

Department, Applicant

At its meeting of June 15, 2006, the Planning Board made the following motions:

MOTION – The Planning Board finds that this is a proper request for a site plan waiver, since the plan submitted is an acceptable plan for the purposes of reviewing the proposed installation of temporary portable classrooms at this location.

APPROVED - 6-0-0

MOTION - To approve the Site Plan Waiver application of The Burlington School Department, for property located at 252 Fox Hill Road, to permit the installation of temporary portable classrooms at the existing Fox Hill School, as detailed on a plan entitled "Site plan in Burlington, MA, Fox Hill School, Fox Hill Road" prepared by KBA Architects, dated June 1, 2006, subject to the following terms and conditions:

- 1. The applicant and/or property owner shall comply with all building and fire safety codes, and all recommendations and conditions of the Inspector of Buildings and Fire Department pertaining to such codes. The fire alarm system shall be reviewed and approved by the Fire Department.
- 2. Prior to endorsement of the Site Plan by the Planning Board the Site Plan shall be revised to provide the following; a) a detail of the proposed new access road, b) any proposed utilities to service the temporary portable classrooms.
- 3. The applicant shall design and install a drainage system to infiltrate/mitigate the runoff from the rooftop of the proposed portable classrooms. The design shall be reviewed and approved by the Town Engineer prior to installation.

- 4. This approval is to permit the installation of temporary portable classrooms. In the event that they are deemed unnecessary and removed from the site the site must be brought back to the original condition or a suitable alternative condition. Any alternative shall be reviewed and approved by the Building Inspector and the Planning Director.
- The applicant and/or property owner shall use appropriate measures to protect materials and any adjacent drainage structures from erosion and sedimentation during any excavation.
- 6. The temporary access drive shall be not more than 10-12 feet in width and shall be constructed of gravel, stone dust, or a similar permeable alternative. There shall be no parking along this drive and no parking signs shall be installed to the discretion of the safety officer and the Planning Director.
- 7. All pavement/asphalt materials removed from the premises shall be properly disposed of and documentation of such disposal shall be submitted to the Board of Health and the Conservation Commission.
- 8. The applicant and/or property owner comply with the recommendations and conditions of the Order of Conditions issued by the Conservation Commission. In the event that the conditions of the Conservation Commission necessitate any revision to the approved Site Plan, the applicant and/or property owner shall be required to submit a revised plan for Planning Board approval in accordance with the Planning Board's Site Plan Rules and regulations.
- 9. All handicapped parking shall be properly posted in accordance with the requirements of the Americans with Disabilities Act. All handicapped accessibility improvements shall comply with the Massachusetts Architectural Access Board Rules and Regulations.
- 10. The applicant and/or property owner shall provide twenty-four (24) hour notice to pertinent Town departments, including the Inspector of Buildings, and the General Development Inspector, prior to commencing any work on the site, which requires inspection or review by Town staff.
- 11. All improvements shall be constructed in accordance with the Site Plan. No deviations from the Site Plan shall be permitted without prior authorization from the Planning Board. The applicant and property owner are advised that no field modifications may be made without preliminary authorization from the Planning Staff, to determine if any subsequent applications need to be filed for further review and approval of the Planning Board.







Town of Burlington Board of Health

61 Center St., Burlington, MA 01803 781-270-1955 FAX 781-273-7687

To: Richard Benowitz, Principal

Fox Hill School

December 1, 2003

From: Todd H. Dresser, CHMM, TURP

TH Environmental Engineer

Subject: Lead and Copper Analysis Completed at Fox Hill School

On October 27, 2003, the Burlington Department of Public Works collected two water samples from a drinking fountain at the Fox Hill School. These samples were collected for lead and copper analysis. The first sample collected was found to contain 20 parts per billion (ppb) of lead and 110 ppb of copper. The concentration of lead detected exceeds the maximum contaminant level of 5 ppb specified in both the state and federal Safe Drinking Water Acts. The copper concentration was found to be acceptable. The drinking fountain was then flushed for five minutes and re-sampled. The second sample was found to contain 4 ppb of lead and less than 50 ppb of copper. This suggests that flushing may enable you to lower the lead concentration to a safe and acceptable level. This is important because lead is a strong neurotoxin that is readily absorbed by children. I have attached a copy of the sample results for your use.

I recommend that you immediately initiate a program to flush all water fountains at the school for five minutes each morning prior to the students' arrival. This approach will help to ensure that the water provided by the bubblers does not contain elevated lead concentrations. I also recommend that you contact the Water Department to make arrangements to sample each of the bubblers at the school to better assess the lead concentrations present at each bubbler. This task will enable you to determine whether the elevated lead concentration is associated with a singular bubbler or represents a condition affecting the entire school.

Please do not hesitate to contact me if you have any questions or if I can be of assistance.

Attachment.

Cc: Board of Health
Tom Murphy, School Committee – Chairman
Jim Picone, Superintendent of Schools
Craig Robinson, Director of Finance & Facilities
Paula Hayes, School Nurse
Bill Keene, Water Treatment Plant



Town of Burlington Board of Health 61 Center \$1., Builington, MA 01803

781-270-1955 FAX 781-273-7687

To: Richard Benowitz, Principal Fox Hill School

December 1, 2003

From: Todd H. Dresser, CHMM, TURP 1711 Environmental Engineer

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Attachment.

Cc: Board of Health Tom Murphy, School Committee - Chairman Jim Picone, Superintendent of Schools Craig Robinson, Director of Finance & Facilities Paula Hayes, School Nurse Bill Keene, Water Treatment Plant

ENVIRONMENTAL PROTECTION Q

LCR

COPPER ANALYSIS REPORT AND DEPARTMENT EAD

LEAD DETECTION UNIT 0.002

LEAD ANALYSIS METHOD_EPA_2009

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10/29/63 10,29,03 LEAD (med) 5,004 Fox Hill School Five Minute Plush Hill School First Flush COLLECTION DATE 10/27/03 10,27,03 100-15851-001 0310-15591

LSC REPLACEMENT

DRESSER, TODD

To: CHAUDHURI, SYAMAL; KEENE, BILL

Co: Cathy Read (E-mail 2); Ed Weiner (E-mail)

Subject: elevated lead level at Fox Hill School

BIII

12/1/03

I just reviewed the lead and copper analysis prepared for the Fox Hill School. I noted the elevated lead level detected in a bubbler. It appears that flushing will help alleviate this problem. I was wondering if it would be possible for you to sample all the fountains at the school to determine if any of the other fountains are affected? Also, do you have any plans to sample the other schools?

Todd H. Dresser, CHMM, TURP Environmental Engineer Burlington Board of Health 29 Center Street Burlington, MA 01803 781-270-1956 781-273-7887 (fax) tdressec@burlmass.org

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12/01/2003

From: alex@cleansolls.com

To: TODD DRESSER; BRIAN LOCKARD

Subject: Septic System closure

Date: Monday, August 07, 2000 4:44PM

<<File Attachment: FILE0001.HTM>> Dear Todd and Brian,

Below is the procedure, as it stands, for closing the Fox Hill and Marshall Stmonds School septic systems. Please look them over and give me any comments you may have.

The use of sand is proposed at both schools' septic tanks because sand is discussed in the regulations, and sand is six times cheaper than concrete slurry. It should be noted however, that even if water doesn't infiltrate through the sand some settling may occur over time and some voids may be created if sand is just poured into an excavation.

To minimize the seltling we have proposed to remove only the portion of the top of the tanks to allow the tanks to be filled with sand. Slurry will be added up to the level of the top of the tank, and the steel manticle will be placed over the hole to provide some support. The fill up to grade will be compacted with the excavator.

The way to ensure no volds and no settling is to completely remove the top of the tank and compact the sand in flights using a compactor before the slurry is added. This of course is more expensive and I know that the Town does not have a large budget for this project.

We want to conduct this closure under Board of Health approval, in a cost effective way. We also do not want to be responsible for settling that may occur at the site in the future.

-Alexander Pancic Clean Soils Environmental, Ltd.

Procedure for Fox Hill School Septic System Closure

- 1.. The Town of Burlington will pump out all liquids currently present in the septic tank (stormwater).
- 2... Maxymillian, under CSE oversight, will break open the top of the septic tank in the vicinity of the two manholes.
- 3.. The remaining two manholes covering the leach field distribution valves will also be removed. 4.. The excavator will be used to attempt to rupture the bottom of the septic tank
- 5. The septic tank will be filled to 2-3 feet of the top of the tank with sand.
- 6.. The remaining depth to the former top of the tank will be filled

with concrete slurry

- 7. The manholes will be placed on top of the slurry and the remaining excavation filled to approximately 1 foot of grade with clean bank gravet.
- 8.. The excavation will be brought to grade with loam.
 Procedure for Marshall Simonds Septic System
- 1. The Town of Burlington will coordinate the removal of septic sludge and wastewater from the septic tank. The septic water may be pumped (recirculated) back into the tank to loasen recalcitrant sludge that has settled to the bottom. CSE will oversee the pump out and document the final condition of the tank.
- 2.. Maxymillan, under CSE oversight, will break open the top of the septic tank in the vicinity of the two manholes.
- The remaining two manifoles covering the leach field distribution valves will also be removed.
 The two concrete leach-field distribution boxes will also be removed.
- 5.. The septic tank will be filled to 2-3 feet of the top of the tank with sand.
- 6.. The remaining depth to the former top of the tank will be filled with concrete slurry
- 7. The manholes will be placed on top of the slurry and the remaining excavation filled to approximately 1 foot of grade with clean bank gravel.
- 8. The excavation will be brought to grade with loam.
 Only enough of the tops of the tanks will be broken up to allow the tanks to be easily filled with sand. Any debris from the demolition of the manways etc. will be placed in the septic tanks prior to filling with sand.

From: To: LOCKARD, BRIAN Alexander Pancic Pumping Records

Subject: Date:

Tuesday, September 05, 2000 1:52PM

Hello Alex,

We did receive the pumping records for the septic lanks at the Fox Hill School and Marshall Simonds Middle School. The records were provided by Doug Gillingham and Indicate that these structures were emptied by Bob Griffin & Sons, Inc. If you have any questions please let me know.

Thanks,

Brian Lockard Burlington Health Agent

LOCKARD, BRIAN

From: To: LOCKARD, BRIAN

Cc: Subject: RITTENBERG, LARRY DRESSER, TODD

III Title 5 Variance

Date: Thursday, July 27, 2000 10:37AM

Helio Larry,

Good news and bad news.

Good News:

I spoke with DEP today and I can file the variance for the Town and they promised to issue an approval within a few days.

Bad News:

DEP will require the removal of the studge from the tank prior to abandonment. The tank can be abandoned in place with the concrete sturry but they will not allow the studge to remain. I discussed this issue with Claire Golden of DEP and she indicated that her department always requires the removal of studge and would not modify this condition. If you either you or Alexander Pancic wishes to discuss this with her she can be reached at the Wilmington office at 781-661-7600.

If you have any questions please let me know.

Brian

From: alex@cleansolls.com

To: LARRY RETTENBERG; DOUG GILLINGHAM; TODD DRESSER; BRIAN LOCKARD

Subject: Septic system closures

Dates Tuesday, August 15, 2000 9:37AM

<<File Attachment: FILE0001.HTM>>

This is to confirm that the closure of the Fox Hill Septic system closure is schedule for Tuesday August 15, 2000. The septic system will be pumped out starting at 7:30 a.m. and the decommissioning with begin Immediately thereafter. The Septage Hauler will then proceed to pump out the Marshall Stroonds Middle School scotic system. The Marshall Simonds septic system is scheduled to be closed the following day, Wednesday August 16, 2000,

A representative of the Burlington Board of Health is required to be present at both sites to approve the closure. On those days I can be reached on my cell phone (978) 852-9172. If, for some reason I am unavailable, please contact Dan at (978) 852-5985.

Please call me with any questions.

-Alexander Pancic Clean Soils Environmental, Ltd. **LOCKARD, BRIAN**

From: DRESSER, TODO

alex@cleansolls.com; BRIAN LOCKARD To:

Subject: RE: Septic System closure

Tuesday, August 08, 2000 8:19AM _Date:

Alex,

Your proposal looks acceptable. You may proceed. Remember that someone from the Board of Health needs to Irrspect the tank after it has been pumped and prior to filling.

Todd

From: alex@deansolis.com TO: TODD DRESSER: BRIAN LOCKARD Subject: Septic System closure Date: Monday, August 07, 2000 4:44PM

< <File Attachment: FILE0001.HTM>> Dear Todd and Brian,

Below is the procedure, as it stands, for dosing the Fox Hill and Marshall Simonds School septic systems. Please look them over and give me any comments you may have.

The use of sand is proposed at both schools' septic tanks because sand is discussed in the regulations, and sand is six times cheaper than concrete slurry. It should be noted however, that even if water doesn't Infiltrate through the sand some settling may occur over time and some yolds may be created if sand is just poured into an excavation.

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The way to ensure no voids and no settling is to completely remove the top of the tank and compact the sand in flights using a compactor before the slurry is added. This of course is more expensive and I know that the Town does not have a large budget for this project.

We want to conduct this closure under Board of Health approval, in a cost effective way. We also do not want to be responsible for settling that may occur at the site in the future.

-Alexander Pancic Clean Solls Environmental, Ltd.

From: To: Co: Subject: Date; DRESSER, TOOD

DRESSEN, TODY
FIELDS, TONY
VANPRIN@prodigy.net; LOCKARD, BRIAN; MONACO, CHRIS; WEINER, EDWARD
FOX HIII School Site Plan Waiver
Wednesday, August 18, 1999 10:37AM

Tony,

Brian Lockard and I have reviewed the site plan weiver application submitted for the Fox Hill School. We have prepared the following comments for the consideration and use of the Planning Board.

During the recent removal of an underground storage tank at Fox Hill, we found that the applic system formerly used by the school had not been filled when it was obendoned. This rether large underground holding tenk is located next and possibly under the existing play ground equipment at the school. We strongly recommend that this tank be filled and properly abandoned in accordance with the state sanitary code in order to eliminate this safety hazard. We recommend that this be completed as soon as possible.

Due not hesitate to contact us if you have any questions.

Todd

Page 1





COMMONWEALTH OF MASSACHUSETTS DEPARTMENTOF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Boston, Massachusotts 02108

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CERTIFICATE OF DISPOSAL/RECYCLING

Hanifest #: 1992725312

This is to certify that the naterial received from your facility has been managed at Environmental Compliance Corporation (ECC) or another licensed facility, which has been approved by ECC in accordance with all applicable federal, state, and local laws, statutes, and regulations.

Recyclable material has been blended for use in accordance witt all applicable federal, state, and local statutes, laws and regulations at ECC, a licensed facility.

All materials consolidated at ECC and subsequently shipped to another licensed facility for treatment and disposal, shall be identified as being generated by ECC.

ECC shall indemnify the generator from any claims as result of damage to any property, contamination of, or adverse effects of the environment, any violation of governmental laws, regulations or orders, caused by treatment and disposal of the material specified on this manifest.

Waste Description Treatment/Disposel Method Facility

Combustible Liquids Oils n.o.s.

NA 1270 MA 97/98

441R Canton Sti Stoughton, HA 02072

Regional Customer Service 1-800-982-0153

441R Canton Street • Stoughton • MA 02072 • 617-297-3530 . 106 Main Street * South Portland * ME 04108 * 207-799-7337



COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Boston, Massachusotts 02108

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COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZAIDOUS MATERIALS

One Winter Street Boston, Massachusetts 02108

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COPY>3: FACILITY HAILS TO GENERATOR



CERTIFICATE OF DISPOSAL/RECYCLING

Manifest #: 0114725414

This is to certify that the material received from your facility has been managed at Environmental Compliance Corporation (ECC) or another licensed facility, which has been approved by ECC in accordance with all applicable federal, state, and local laws, statutes, and regulations.

Recyclable material has been blended for use in accordance with all applicable federal, state, and local statutes, laws and regulations at ECC, a licensed facility.

All materials consolidated at ECC and subsequently shipped to another licensed facility for treatment and disposal, shall be identified as being generated by ECC.

ECC shall indemnify the generator from any claims as result of damage to any property, contamination of, or adverse effects or the environment, any violation of governmental laws, regulations, or orders, caused by treatment and disposal of the materia? specified on this manifest.

Waste Description Treatment/Disposal Hathod Facility

Combustible Liquids Oils n.o.s. NA 1270 KA 97/98

441R Canton St. Stoughton, MA 02072

Date:

Regional Customer Service 1-800-982-0153

441Fl Canton Street • Stoughton • MA 02072 • 617-297-3530 108 Main Street • South Portland • ME 04108 • 207-799-7337





COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Boston, Massachusette 02108

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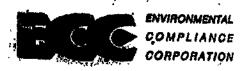




COMMONWEALTHOF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS Ond Winter Street Boston, Massachusetts 02108

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CERTIFICATE OF DISPOSAL/RECYCLING

Hanifest #: WAK 7253/3

This is to certify that the naterial received from your facility has been managed at Environmental Compliance Corporation (ECG) or another licensed facility, which has been approved by ECC in accordance with all applicable federal, state, and local laws, statutes, and regulations.

Recyclable material has been blended for use in accordance with all applicable federal, state, and local statutes, laws and regulations at ECC, a licensed facility.

All materials consolidated at ECC and subsequently shipped to another licensed facility for treatment and disposal, shall be identified as being generated by ECC.

ECC shall indemnify the generator from any claims as result of damage to any property, contamination of, or adverse effects on the environment, any violation of governmental laws, regulations, or orders, caused by treatment and disposal of the material specified on this manifest.

Waste Description Treatment/Disposel Method

Facility

Combustible Liquids Oils n.c.s. NA 1270 MA 97/98 ECC 441R Canton St. Stoughton, NA 02072

Authorized by:

Zim R. Jamey

Regional Customer Bervice 1-800-982-0153

441Fi Canton Street • Stoughton • MA 02072 • 617-297-3530 106 Main Street • South Portland • ME 04106 • 207-799-7337





COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Boston, Massachuseits 02108

Please print or type. (Form designed for use on ofte (12-pitch) typewriter) UNIFORM HAZARDOUS Manifest Document No. 2. Page 1 Information in the shaded areas WASTE MANIFEST is not required by Federal law. 3. Generalis's Name and Maling Address. Towar of Overhooting 27 CENTER STRENT Buchwaten AM. 01830 0. US EPA IO Number 1101 616 211500005 1863 D. Transporter's Phone . State Trops. IO 9. Designated Facility Name and Site Address 10. US EPA ID Number Environmental Completies Componential Hyp R Continu States F. Transparter's Phose O: State Fecility's 10 Touchton Mr. 12022 420012179820 H. Facility's Phone 70/ 207 2030 11. US OOT Description (Including Proper Stripping Name, Hazard Class and ID Number) Alasta Peter lear, Liquit 3. NA 1793. P6 M 1411 98 600 Additional Descriptions for Materials Listed Above (Include physical state and based code.) (L) " 4 Fuel Oil + Mater 5. Special Hendling Instructions part Additional Infor 17. Transporter I Acknowledgement of (leccip) of Matorials Printed/Trace Name Printed Typical Manua 19. Discrepancy Indication Space

Form Approved OMB No. 2010 0039. Expres 9:30:08 EPA Form 0700-22 (Nov. 9:80) Provious solitors are obscious

COPYSA: GENERATOR RETAINS

Date

20. Facely Dealer or Operator: Conflication of receipt of hexandous molecules covered by this manifest except as noted in floring





COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Boston, Massachuseits 02108

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COPY>8: GENERATOR RETAINS

CLEAN SOILS

August 10, 1999



Mr. Larry Rittenberg, Assistant Town Administrator
Town of Burlington
Town Hall
29 Center Street
Burlington, MA 01803

Re: Underground Storage Tank Closure Assessment
Fox Hill Elementary School
252 Fox Hill Road
Burlington, MA 01803
CSE Project # 99019

Dear Mr. Rittenberg:

Clean Soils Environmental, Ltd. (CSF) is pleased to submit this letter report with the results of an Underground Storage Tank (UST) Closure Assessment conducted at the above mentioned location, hereinafter referred to as the "Site."

The purpose of the UST Closure Assessment is to determine if a significant release of oil had impacted the environment (i.e., soil) from a UST area at the Site, which is shown on Figures 1 and 2 in the Appendix.

Oil & Hazardous Waste Assessment & Cleanup Professionals

POST OFFICE BOX 591, IESWICH, MA 01938
Voice: 978.356.1177 Fax: 978.356.1849 E-mail: info@cleansolfs.com Web site: http://www.eleansolfs.com

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1.0 BACKGROUND

The Site is located at an elementary school. CSE was contacted to observe the removal of one (1)

steel, single-walled, 8,000-gailon UST that was used to store fuel oil, and measure for the potential

presence of contamination to soil from the UST. According to you, the UST was used to store #4

Fuel Oil. According to Mr. Ronnie Danielson, School Custodian at Fox Hill Elementary School,

the tank was installed approximately 33 years ago, just prior to the construction of the school

building.

2.0 UST REMOVAL

On July 19, 1999, Maxymillian Technologies, Inc. (MAXYMILLIAN) of Webster, MA, removed

the UST from the Site. The UST was located on the southern side of the school, approximately 10

feet from the loading dock, as shown on Figure 1.

3.0 SOIL SAMPLE FIELD SCREENING

CSE collected a total of 15 soil samples during the UST removal at the Site. CSE collected 2 soil

samples from the vicinity of the feed and return lines on the eastern side of the UST (PIPERUNI

and PIPERUN2). CSE collected 8 samples from various areas of the sidewalls of the excavation

(SW1-SW8). CSE collected 2 samples near the UST's fill pipe at varying depths (FP1 and FP2).

Two samples were collected from the bottom of the excavations (BOT1 and BOT2), and two soil

samples were collected near the vent-pipe of the former UST (VP1 and VP2). Figure 2 in the

Appendix shows the soil sample locations in reference to the tank grave at the Site.

The depth that each soil sample was collected is shown on Table 1 in the Appendix. Each soil

sample was screened for total organic vapors (TOVs) with a photoionization detector (PID) via jar

headspace procedures (procedure enclosed in Appendix). Table 1 shows the headspace screening

results, which ranged from 0.4 to 26.5 parts per million by volume (ppmv).

4.0 OBSERVATIONS MADE DURING THE UST REMOVAL

On July 19, 1999, CSE observed and measured the soil around the fill pipe (on top of the UST) for

possible contamination due to overfilling or overspilling prior to the UST removal. There was

CSE Project # 99019, 252 Fox Hill Road, Burlington, MA, August 10, 1999, Page - 2

CLEAN SOILS ENVIRONMENTAL, LTD.

some petroleum-contaminated soil (PCS) around the fill pipe from approximately 0 - 1 feet below the ground surface. This soil was stained, had a slight petroleum odor, and had a headspace reading of 26.5 ppmv. This PCS was removed by hand (i.e., shovel), placed into \$5-gallon dynas.

and transported from the Site under Manifest.

Soil around the UST was well-sorted sand. Therefore, the sidewalls of the excavation were

continuously sloughing into the excavation. This required CSE and Maxymillian to work fast. In

other words, it was important to attempt to remove the UST quickly so the sidewalls of the

exervation would not cave into the excavation and undermine the slab foundation of the building.

After the UST was removed, CSE observed the soil on the sidewalls and bottom of the tank grave

for evidence of contamination. Obvious evidence of contamination (i.e., stained soils and

petroleum odors) was not observed in the tank grave. CSB did observe groundwater in the bottom

of the former UST grave. The surface of the groundwater did not have a petroleum sheen. CSE

observed the UST for any obvious holes, which were not observed. The removed UST system \sim

(including fill pipe) did not show evidence of corrosion or a leak. The feed and return lines were not removed. CSE believes that removal of these lines would have undermined the foundation of

the building.

5.0 SOIL SAMPLE LABORATORY SCREENING

On July 19, 1999, CSE collected three soil samples from the former UST grave for laboratory

analysis. One soil sample (BOT2) was collected from the bottom of the excavation, another was

collected from a sidewall (SW6), and the third sample was taken from the vicinity of the fill pipe

(FP2). These sample locations are shown on Figure 2 in the Appendix and were chosen based on soil screening results and where CSE would expect to find contamination if present. The three soil

samples were analyzed for Extractable Petroleum Hydrocarbons (EPH) by GC/FID.

The samples were collected in pre-cleaned glass jars provided by the laboratory, immediately placed

on ice for preservation, and transported by courier to a Massachusetts Certified laboratory for

analysis,

CSE Project # 99019, 252 Fox Hill Road, Burlington, MA, August 10, 1999, Page - 3

CLEAN SOILS ENVIRONMENTAL, LTD.

6.0 SOIL LABORATORY RESULTS

The laboratory testing results for all three soil samples (i.e., BOT2, FP2, and SW6) were below the laboratory's reporting limit (BRL) for the EPH Ranges and the Target Analytes (e.g.,

Naphthalene). In other words, the laboratory did not detect significant contamination in any of the

three soil samples.

7.0 MANAGEMENT OF TANK REMOVAL WASTE

Prior to removal, Maxymillian pumped approximately 6500 gallons of #4 Fuel Oil from the UST.

Maxymillian pumped out 3010 gallons on July 14, 1999, 2940 gallons on July 15, 1999, and 600

gallons on July 19, 1999. This fuel oil was taken from the Site under Manifest to Environmental

Compliance Corporation (BCC) in Stoughton, MA. Please see the Appendix for a copy of these

manifests.

Also prior to removal, Maxymillian cleaned the tank by hand. Maxymillian estimated that a total of

approximately 50 gallons of tank residue (i.e., tank bottom sludge/unused waste oil) was removed

from the UST. This residue was placed in one DOT-approved, 55-gallon drum and taken from the

Site under Manifest (State Manifest Document Number MAK725318) to BCC. In addition, a small

amount of PCS was removed by hand from around the former UST's fill pipe, placed into two 55-

gallons drums and laken from the Site under Manifest (State Manifest Document Number

MAK725318) to ECC.

The James G. Grant Company of Readville, MA took the removed UST from the Site for recycling.

Please see the Appendix for copies of Form FP 292 (permit for removing UST and transportation

to tank yard), Form 291 (receipt of UST at disposal facility), and Form FP 290R (Notification for

Removal or Closure of In Place Storage Tanks Regulated Under 527 CMR 9.00). CSE has sent

Form FP 290R to the Burlington Fire Department for a signature. When CSE receives the Fire

Department's Signature, this form will be sent to the UST Compliance Unit in Boston and a copy

will be sent to you.

CSE Project # 99019, 252 Fox Hill Road, Burlington, MA, August 10, 1999, Page - 4

CLEAN SOILS ENVIRONMENTAL, L'ID.

Environmental Engineer

8.0 BACKFILL THE EXCAVATION

Maxymillian backfilled the excavation on the same day of the UST removal with excavated clean soil and imported fill material.

9.0 LIMITATIONS OF THE ASSESSMENT

The feed and return lines from the UST to the heating system were not removed during the UST removal (see Section 4.0 for details). Therefore, CSE did not assess or render an opinion of these areas for the presence of contamination during this assessment.

10.0 CONCLUSION

According to field observations, field screening results, and the laboratory results, there has not been a release of fuel oil from the UST at the Site. Therefore, no further action is required. CSE reserves the right to change this opinion if any additional information is collected from the Site. If you have any questions, please do not hesitate to call.

Sincerely yours,

CLEAN SOILS ENVIRONMENTAL, LTD.

William H. Mitchell, Jr., LSP

President

Enclosures:

Appendix Including the Following:

Figures 1 and 2 (2 pages)

Table 1 Headspace Screening Results (1 page)

Headspace Screening Standard Procedure (1 page)

Laboratory Results (10 pages)

Copies of Uniform Hazardous Waste Manifests (4 pages)

Copy of Form FP-290R (2 pages)

Copy of Form FP-291 (1 page)

Copy of Form FP-292 (1 page)

cc: Todd Dresser, Town of Burlington Board of Health

APPENDIX

FOX HILL &	FIELD_AFFICE_NOTES: 2 FORE: PORE: 2	_ or <u>£</u>
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FIGURE 1

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Volce: 978.356.1177 Fax: 978.356.11849 E-mail: introductorstoils.com Web site: http://www.cleantoils.com

CLEAN SOILS

FIELD JORFICE NOTES: FOR HILL ELEMENTARY Ulicut: JOHN OF BURLINGTON Date: 7-19-99 Project II: 19019 Address: 252 FOR HILL RD. Town: FREUNGTON Strengton Type of Sample: SOIL Screening Location: FORMER TANK GRAVE Weather: DURLAST, 30'S Comments: LIMITED SITE FLAN SHOWN
SOIL SCREEMAG /SAPPLE LOCATIONS
X8
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SW SW XEW SPECIAL SPEC
544
WP=Vent Pye * top of lank is 3.51 ligs

Oil & Hozardons Waste Assessment & Cleanup Professionals

FIGURE 2

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CLEAN SOILS

Field PID Jar Headspace Analytical Screening

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Oll & Hazardons Waste Assessment & Cleanup Professionals

POST DEFICE BOX 591, IPSWICH, MA 01938

Voice: 978,356,1377 Fax: 978,356,1849. E-mail: info@eleansoils.com. Web site: http://www.eleansoils.com.

Headspace Screening Procedures

Clean Soils Environmental, Ltd. (CSE) screened soil samples for Total Organic Vapors (TOVs) with a portable photoionization detector (PID) calibrated with isobutylene to a benzene equivalent. The soil sample screening was performed by filling a pre-cleaned 16 oz. glass mason jar or a dedicated 16 oz. zip lock bag approximately half-full with a soil sample, covering the jar top with two layers of aluminum foil and then tightening the screw cap or using the zip lock to tightly seal the bag. The soil sample was vigorously shaken and then allowed to sit for a minimum of ten minutes at approximately 25°C. The headspace (i.e., air in the top of the container) was then screened by puncturing the aluminum seal or the zip lock bag with the portable PID Photovac MicroTip probe, inserting the probe tip to a distance approximately one-half the headspace depth, drawing a headspace air sample, and recording the highest reading displayed on the PID display.

Clean Soils Environmental, Ltd. (CSE), 2/10/98

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc. P.O. Box 1200 228 Moin Street Buzzards Bay, MA 02502 Telephona (508) 759-4441 FAX (508) 759-4475

July 27, 1999

Mr. William Mitchell Clean Soils Environmental P.O. Box 591 Inswich, MA 01938

Project: Fox Hill/99019 Lab ID: 27911

Sampled: 07-19-99

Dear Bill:

Enclosed are the Extractable Petroleum Hydrocarbons Analyses performed for the above referenced project. This project was processed for Priority One Week turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a project narrative indicating project changes and non-conformances, a brief description of the Quality Assurance/Quality Control procedures employed by our laboratory, and a statement of our state certifications.

Lattest 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 beltef, accurate and complete.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Jonathan R. Sanford President

JRS/myr Enclosures

GROUNDWATER ANALYTICAL

Massachusetts DEP EPH Method Extractable Petroleum Hydrocarbons by GC/FID

ield ID:	PB2	Laboratory ID:	27911-01	
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91-57-6	2-Methylnaphthalene	DRL	mg/Kg	0.52
65-01-R	Pirenanthrene	DIEF	mg/Kg	0,52
03-32-9	Acenaphiliene	BRL	mg/kg	0.52
208-96-6	Acenaphthylone	BRL	mg/Kg	0.52
86-73-7	Fluorene	BRL BRL	mg/Kg	0.52
120-12-7	Abiliraceire	BRL	mg/Kg	0.52
206-44-0	Fluoranihene	BRL	mg/Kg	0.52
129-00-0	Pyrene	บลเ	mg/Kg	0,52
56-55-3	Benzofalanthracepe	BRL	m _i /Kg	0.52
218-01-9	Chrysene	ORL	mg/Kg	0.52
205-99-2	Benzalbiiluoranthone	BRL	mg/Kg	0.52
207-01-9	BenzolkiBuoranihene	BRI.	пв/Кв	0.52
50-32-6	Benzolajpyrene	BRL	nig/Kg	0.52
193-39-5	Indeno[1,2,3-c,d]pyrene	BILL	nig/Kg	0.52
53-70-3	Dibanzola,blantlitacena	BRL	my/Kg	0.52
191-24-2	Benzolg h. Iperylene	HRL	mg/Kg	0.52
QC	Surrogate Compounds	Recovery	QC	Limits
Fractionation:	2-Fluoroblphenyl	90 %	40	140 %
	2-Bromonaphthalene	91 %	40 -	140 %
Extraction:	Chioro-ortadecane	84 %	40 -	140 %
	ortha-Terpisenyl .	86 %	40 -	140 %
• • • • • • • • • • • • • • • • • • • •	Oxfor	Certification	·	<u>·</u>
1. Weer all OA	QC procedures required by the method follow			Yes
2. Wree all perfe	mount electrolarum standards for the require	d QACC procedures achieved!		Yis
1 When surely	elficant modifications made to the ingthest, a	convertible to Soutien 11.1.1.1		Yes

and project quality control report. Release of this fala is auditorized by the accompanying signed project cover letter. The accompanying cover letter, project miniative and quality control report are considered part of this data report.

Method References - Method for the Determination of Estructable Petroleum Hydrocarbons, MA DEP (1990). Respits are calculated on a dry weight basis. Method modified by use of micensave accelerated solvent extraction technique.

Report Notationss

- BRL Indicates concentration, if any, is below reporting think for analytic. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample dilution, percent moisture and sample size.
- Hydrocarbon range data excludes contrinstations of any surrogate(s) and/or internal standards eluting it
- n-C11 to n-C22 Assimatic Hydrocathum range data excludes the method target analyte concentrations.

GROUNDWATER ANALYTICAL

Massachusetts DEP EPH Method Extractable Petroleum Hydrocarbons by GC/FID

leid ID:	BOT2	Laboratory ID:	27911-03	
rajeci:	Fox Hill/99019	QC Batch ID:	EP-0710-M	
Elfent: Container:	Clean Soils Environmental	Sampled:	07-19-99	
onramer: reservation:	120 mL Glass Cool	Received:	07-28-99	
reservation; Matrix:	Soft	Extracted:	07-22-99	
viania: % Molsture:	10	Analyzed: Dijullon Factor:	07-27-99	
a Moisture:	. 	(Altinon Factor:	Allphatics 1 A	romatici 1
EPH Ranges		Concentration	Units	Reporting Limi
	liphatic Hydrocarbons	BRL	mg/Kg	32
	Aliphatic Hydrocarbons	BRL	mg/Kg	32
n-C11 to n-C22.	Aromatic Hydrocarbons 10	BRL	mg/Kg	32
Unadjusted n-C11	to n-C22 Aromatic Hydrocarbons	URL	mg/Kg	32
CAS Number	Target Analytes	Concentration	Units	Reporting Linu
91-20-3	Naphthalene	BRL	ing/Kg	0.53
91-57-6	2-Methylnaphthalone	BKL	mg/Kg	0.53
85-01-8	Phenanthrene	BRL	mg/Kg	0.53
83-32-9	Acenaphiliene	BKL	mg/Kg	0.53
208-96-8	Acenapinhylene	BRL	ng/Kg	0.53
86-73-7	Fisherene	BRL	mg/Kg	0.53
120-12-7	Anthracene	BR€	mg/Kg	0.53
206-44-0	Fluoranthene	BRL	mg/Kg	0.53
129-00-0	Pyrene	BRL	me/Kg	0.53
56-55-3	Benzofalanthracene	BRL	пъд/Ка	0.53
210-01-9	Chrysene	BRL	mg/Kg	0.53
205-99-2	Benzojhifluoranthene	URL	mg/Kg	0.53
207-08-9	Benzo(k)(luoranthene	ARL	mg/Kg	0.53
SO-32-6	Benzolalpyrene.	BRL	mg/Kg	0.53
193-39-5	Indeno[1,2,3-c,6]pyrene	BRL	F19/Kg	0.53
53-70-3	Dibenzo(a,h)anthrazene	BRL	mg/Kg	0.53
191-24-2	Benzolg,h,l)perylene	BRL	mg/Kg	9.53
	Surrogate Compounds	Recovery	QC	Limits
Fractionation:	2-Fluorobiphenyl	87 %	40-	140 %
	2-Broggonaphthalone	90 %	40-	140 %
Extractions	Chloro-octadecane	B1 %	40 -	140 %
	ortho-Terphenyl	83 %	40-	140 %

Were all performance/acceptance standards for the required QA/QC procedures achieved?
 Were any significant modifications made to the method, as specified in Section 11.3.1.1?

Method non-conformances indicated above are detailed below on this data report, or in the accompanying project narraive and project quality control report. Release of this data is authorized by the accompanying tigated project cover letter. The accompanying cover letter, project narraiive and quality control report are considered part of this data report.

Report Notations

Method Reference: Ateshod for the Determination of Extractable Petroleum Hydrocariposs, MA DEP (1998). Results are calculated on a dry weight basis. Algihod modified by use of informace accelerated solvest extraction technique.

- BRL Indicates concentration, if any, is below reposting limit for analyze. Reporting limit is the lowest concentration that can be reliably quantified under routine faboratory operating conditions. Reporting limits are adjusted for sample dilation, percent notisting and sample already.
- Hydrotarbon range data excludes concentrations of any surrogate(s) and/or internal standards eluting is
- in C11 to a C22 Aromatic Hydrocarbons range data excludes the method target analyte concentrations.

GROUNOWATER ANALYTICAL

Project Narrative

Project: Fox Hill/99819 Client: Clean Solls Environmental	Lab ID: 27911 Received: 07-20-99
A. Physical Condition of Sample(s)	
This project was received by the laboratory in satisfactory condition. I undamaged in appropriate containers with the correct preservation.	The sample(s) were received
B. Project Documentation	
This project was accompanied by satisfactory Chain of Custody documental label(s) agreed with the Chain of Custody.	ation. The sample container
C. Analysis of Sample(s)	

No analytical anomalies or non-conformances were noted by the laboratory during the processing of these sample(s). All data contained within this report are released without qualification.

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Groundwater Analytical, Inc., P.O. Box 1200, 228 Main Street, Buzzards Bay, MA 82532

GROUNDWATER ANALYTICAL

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans, US EPA QAMS-005/80 (1980), and Test Mothods for Evaluating Solid Waste, US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from U5 EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

8. Delinitions

Batches are used as the basic unit for Quality Assessment. A Datch is defined as twenty or (ewer samples of the same matrix which are prepared logether for the same analysis, using the same lots of reagents and the same techniques or manipulations, all which the same continuum of time, up to into exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an alliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

GROUNDWATER ANALYTICAL

Quality Control Report Laboratory Control Sample

Category: MA DEP EPH Method OC Batch ID: EP-8719-M

saton ID: EF-0719-A Matrix: Spil

Units: mg/Kg

CAS Number	Analyte	Spiked	Measured	Recovery	QC Limits
111-84-2	и-Nonane (С ₉)	5.0	2.6	53 %	40 140 %
629-59-4	n - Tetradecane (C ₁₄)	5.0	4.0	80 %	40 140 %
629-92-5	n-Nonatlecane (C ₁₃)	5.0	4.4	80 %	40 - 140 %
112-95-8	n-Ercosane (Czo)	5.0	4.7	25 %	40 140 %
630-02-4	n-Octacosane (C ₂₄)	5.0	4.5	90 %	40-140 %
91-20-3	Naphthalene	5.0	3,5	69 %	40 - 140 %
83-32-9	Acenaphiliene	5.0	4.1	B1 %	4U 140 %
120-12-7	Anthraceля	5.0	4,5	90 %	40 140 %
129-00-0	Pyrené	5.0	4.6	93 %	40 - 140 %
218-01-9	Chrysene	5.0	5,0	35 °C	48 - 140 %

QC Surrogale Compounds	Recovery	QC Limits
Fractionation: 2-Fluorouphenyl	86 %	40 - 140 %
2-Bromonaphthalone	86 %	40 - 140 %
Extracilon: Chloro-octadecane	92 %	40 - 140 %
ortho-Terphonyl	ua %	40 - 140 %

Method Reference: Method for the Determination of Extractable Petroleum Hydrocarbons, MA DEP (1998).

Report Notations;

All calculations performed prior to rounding. Quality Control Hinlis are defined by the methodology, or alternatively based upon the listenical average recovery plus or minus three standard deviation onlis.

GROUNDWATER ANALYTICAL

Quality Control Report Method Blank

Calegory: MA DEP EPH Method

QC Batch ID: EP-0710-M

Matrix: Soil

		1674		
EPH Ranges		Concentration	Units	Reporting Limit
	liphatic Hydrocarbons	BRt,	mg/Kg	30
	Aliphatic Hydrocarbons	BRL	mg/Kg	30
n-C11 to n-C22 .	Aramatic Hydrocarbons 10	IIRL	mg/Kg	30
Unadjusted n-C11	to n-C22 Aromatic Hydrocarbons	URL	ng/Kg	30
CAS Number	Target Analytes	Concentration	Units	Reporting Unit
91-20-3	Naphthalene	URL	mg/Kg	0.50
91-57-6	2-Methylnaphthalene	PKL	nıj/Kg	0.50
85-01-8	Phenanthrene	BRL	mg/Kg	0.50
B3-32-9	Acenaphthene	BRL	mg/Kg	0.50
208-96-0	Acenaphthylene	BRL	mg/Kg	0.50
86-73-7	Fluorene	BRL	mg/Kg	0.50
120-12-7	Anthracene	BRL	mg/Kg	0.50
206-44-0	Fluoranthone	BRL	mg/Kg	0.50
129 00 0	Pyrene	DRL	mg/Kg	0,50
56-55-3	Benzolalanthracene	URL	mg/Kg	0.50
218-01-9	Chrysene	DRL	mg/Kg	0.50
205-99-2	Benzo[b]fluoranthepe	BRL	nog/Kg _	0.50
207 OR 9	Benzolkifluoranihene	BRL -	mg/Kg	0.50
50-32-8	Benz plajpyrene	BRL	mg/Kg	0.50
193-39-5	Indens[1,2,3-c,d]pyrene	BRL	mg/Kg	0.50
53-70-3	Dibenzo[a,h]anthracene	BKL	mg/Kg	0.50
191-24-2	Benzoig h Haerylene	BRL	mg/Kg	0.50
··· · · · · oc	Surragale Compounds			
Fractionations	2-Fluorolophenyl	Recovery		1,imlfs
	2-Bromonaphthalene			140 %
Extraction:	Chioro octadecane	40 %		140 %
	ortho-Tephenyl	80 %		140 %
	I prop-teibhelbi	nn 94	r an.	14D W.

Method Reference: Method for the Determination of Extractable Petroleum Hydrocarbons, MA DEP (1993).

- Report Notations: BRI Indicates concentration, if any, is below reporting first for analyse. Reporting first is the lowest concentration that can be reliably quantified under trutine laboratory operating conditions. Reporting limbs are adjusted for sample dilution, percent muisture and sample size.
 - Hydrocasban range data excludes concentrations of any surrogate(s) and/or internal standards elotting in
 - n-CHI to n-CRI Assimalfo Hydrocorbins range data excludes the method target analyte concentrations.

GROUNDWATER ANALYTICAL

Certifications and Approvals

CONNECTICUT, Department of Health Services, PH-0506

Potable Water, Wastewater/Trade Waste, Sewage/Efflyent, and Soil

pl., Conductivity, Acidity, Aksalinity, Hardense, Coloride, Floride, Ameninda, Reidsh Nitrogen, Nitrate, Nitrate, Olitephosphate, Total Dissolved Science, Cardena, C

MAINE, Department of Human Services, MA103

Drinking Water

Reciprocal certification in accordance with Massachusetts certification for drinking water analytes.

Waste Water

Recipment certification in accordance with Massachusetts printification for waste water analytes.

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Potable Water

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MICHIGAN, Department of Environmental Quality

Drinking Water

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NEW HAMPSHIRE, Department of Environmental Services, 202798

Orinking Water

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RHODE ISLAND, Department of Health, 54

Surface Water, Air, Wastewater, Potable Water, Sewage Chemistry: Organic and inorganic

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COMMUNWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Boston, Massachusetts 02108

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DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Section, Massachusetts 92108

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Notification for Removal or Closuro at in Piaco Storago Tanks Regulated Under 527 CMR 9.00

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Commonwealth of Massachusetts

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APPLICATION and PERMIT for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 140, Section 30A, 527 CMR 0.00, application is hereby made by:

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ASBESTOS HAZARD
EMERGENCY RESPONSE ACT
(AHERA)
THREE YEAR REINSPECTION
REPORT

FOX HILL ELEMENTARY SCHOOL BURLINGTON, MASSACHUSETTS

LPR PROJECT NO.: 104-80168

PREPARED FOR:
MR. CRAIG ROBINSON
DIRECTOR OF BUILDING & GROUNDS
BURLINGTON SCHOOL DEPARTMENT
123 CAMBRIDGE STREET
BURLINGTON, MA
01803

DATE ISSUED: SEMPTEMBER 14, 1998

194 FORBES ROAD, BRAINTREE, MASSACHUSETTS 02184 phona (781) 356-7300 fax (781) 356-2211

Offices Worldwide.

Project No. 104-80168 Fox Hill Elementary School

The Asbestos Hazard Emergency Response Act (AHERA) reinspection described herein was conducted by the undersigned, of Levine-Pricke-Recon (LFR), LFR's investigation consisted solely of the reinspection activities required by AHERA (40 CFR 763) and as described in LFR's Proposal W198-027. In addition, the reinspection was subject to the Limitations and Service Constraints provided in Appendix A.

This relatspection report for the Fox Hill Elementary School must be incorporated into the original Management Plan for the school.

Ashestos Reinspection Report Prepared by:

Daul Hoffman MA Inspector #AI 5,722

MA Management Planner # AP 52749

9/14/98

Ashestos Reinspection Report Reviewed and Approved by:

Mheria Capozzi
Michael Capozzi

Project Manager

9/14/93

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1.0 INTRODUCTION

Levine-Fricke-Recon (LFR), was retained by the Burlington School Department to reinspect the Fox Hill Elementary School located in Burlington, MA in compliance with the Asbestos Hazard Emergency Response Act (AHERA) of October, 1987. The reinspection was conducted on July 29, 198 by LPR's representative, Mr. Paul Hoffman, Massachusetts Asbestos Inspector License #AI 51722.

The objective of the reinspection was to maintain the Pox Hill Blementary School's compliance with the AHERA Regulation by visually reinspecting and reassessing the condition of all known or assumed asbestos-containing building materials (ACBM). In accordance with the regulation, LFR also visually inspected and reassessed materials that were previously considered non-friable ACBM and touched the material to determine whether it had become friable since the last inspection or reinspection.

All findings of this reinspection must be incorporated into the original Management Plan document for the School building.

As described in the Reinspection Hazard Assessment Sheets included as appendix B, LFR has identified any changes in quantity or condition of ACBM noted during the reinspection and has included updated recommendations, where appropriate. LFR has also provided an updated Hazard Priority Summary which indicates the priority of Homogeneous Areas and LFR's recommendation for addressing confirmed or assumed asbestos-containing material (ACM).

Under AHERA protocol, certain assessment criteria were used as the basis for recommended response actions. These assessment criteria were as follows: The existence of barriers, abnormal access features, activity in the area, air crosion, potential for fiber release, and existing damage.

Based on the aforementioned assessment criteria, LFR made recommendations for ACBM at the school building, LFR's recommendations generally fall into six categories;

- Homogeneous Areas which can be maintained under the Provisions of an Operations & Maintenance (O&M) Program;
- Homogeneous Areas which should be properly removed immediately by a qualified abatement contractor;
- 3. Homogeneous Areas which should be removed when practical;
- Homogeneous Areas requiring short-term, short-duration remedial measures (patch & repair) performed either by in-house maintenance personnel who have successfully completed the 16-hour O&M training course or by a qualified abatement contractor depending on the annual of material;
- 5. Homogeneous Areas requiring enclosure; and
- 6. Homogeneous Areas requiring encapsulation.

·-- ·

Project No. 104-80168
Fox Hitl Elementary School

2.0 RECORD KEEPING OF THE MANAGEMENT PLAN

The Local Education Agency's (LEA) responsibilities regarding recordkeeping for the school Asbestos Management Plan are defined as follows:

Each LEA must keep an updated copy of the management plan in its administrative office for each school under its administrative control or direction. This plan must be available, without restriction, to the public, school personnel and their representatives, parents and representatives of the EPA and the State for inspection during normal business hours.

In addition, each school must keep in its administrative office, an updated copy of the management plan for the school, which must be made available for inspection.

Each LEA and school must keep accurate records of relevant events with the management plan. Relevant events include:

- Por any response action or preventive measure taken for ACBM: provide a detailed description of the actions and information on sample analysis [see 40 CFR Part 763, section 763.94 (b)].
- For each person required to be trained: provide their name and job title, and documentation regarding their training,
- * Por each periodic surveillance that is conducted: provide the name of each person performing the surveillance, the date of the surveillance, and any changes in the condition of the materials. Periodic surveillance inspection should be conducted every 6 months.
- For each reinspection: provide the name and accreditation information of the inspector, the date of the reinspection, and any changes noted in the condition of the material.
- * For each required cleaning: provide the name of the person performing the cleaning, the date of the cleaning, the locations cleaned, and the methods used.
- For each small-scale and short-duration operation and maintenance activity: provide the name and signature of the person performing the activity, the activity start and completion dates, the precise locations and a description of the activity and any preventive measures taken. If ACBM is removed, provide the name and location of the storage or disposal site.
- * For maintenance activities other than small-scale and short-duration activities: provide the name and signature of the person performing the activity; their State of accreditation and, if applicable, the accreditation number of each person doing the activity; the activity start and completion dates; the precise locations; and if ACBM is removed, the name and location of the storage or disposal site.
- For each fiber release episode: provide the date and location of the release, the method of repair, the preventative or response actions taken, the name of each person

Project No. 104-80168 Fox Hill Elementery School

performing the work, and if ACBM is removed, the name and location of the storage or disposal site.

Proper documentation allows for the accurate representation of the Shallout of and the amounts of asbestos-containing materials within the school building.

3.0 DOCUMENTATION REVIEW

LPR performed a review of the original Asbestos Management Plan and all society ing documentation pertaining to employee training, patch and repair work performs, where the O&M Program, and asbestos abatement operations that have taken place sinx 48 implementation of the O&M Program. This documentation review is summarias as follows:

3.1 Designated Person

Name: Title: Address: Mr. Craig Robinson

Director of Bulldings & Grounds

123 Cambridge Street

Burfington, MA 02184

Telephone

(781) 270-1800

Number:

Training:

Institute for Environmental Education, Inc. IEE 80 Commings Park Woburn, Ma

The AHERA regulation 763.84[g](1) states that "the general LEA shat' (cognate a person to ensure that requirements under this section are properly inplantable." Section 763.84[g](2) further states that "the LEA shall ensure that the \$886 and person receives adequate training to perform duties assigned under this assert."

The AHERA regulation section 763.84 outlines the general LEA responsibilities and are defined as follows:

Ensure that the activities of any persons who perform inspections, reinsystems, and periodic surveillance, develop and update management plans, and develop and implement response actions, including operations and maintenance (O.S.W. are carried out in accordance with Subpart E of the regulation.

Ensure that all custodial and maintenance employees are properly trained as required by the Subpart E and other applicable Federal and/or State regulations to a the Occupational Safety and Health Administration asbestos standard for construction, the EPA worker protection rule, or applicable Massachusetts Department of Calon and Workforce Development regulations. Ensure that workers and building occupants, or their legal guardians, are informed at least once each school year about major tions, response actions, and post-response action activities, including periodic readspection and surveillance activities that are planned or in progress.

Project No. 104-80168 Fox Hill Elementary School

Ensure that short-term workers (e.g., telephone repair workers, utility workers, or exterminators) who may come in contact with asbestos in a school are provided information regarding the locations of ACBM and suspected ACBM assumed to be ACM.

Ensure that warning labels are posted in accordance with section 763.95.

Ensure that Management Plans are available for inspection and notification of such availability has been provided as specified in the Management Plan under section 763.93 (g).

Designate a person to ensure that requirements of the AHBRA regulation are properly implemented and that the designated person receives adequate training to perform duties assigned,

Consider whether any conflict of interest may arise from the interrelationship among accredited personnel and whether that should influence the selection of accredited personnel to perform activities under the Subpart.

3.2 Yearly Rullding Occupant Notification

"The designated person must ensure that workers and building occupants, or their legal guardians, are informed at least once each school year about inspections, response actions, and post-response action activities, including periodic reinspection and surveillance activities that are planned or in progress", as per the AHERA regulation section 763.84(c).

LFR did observe documentation of yearly notification to building occupants.

3.3 Costodial/Maintenance Personnel Training

LFR recommends that the Fox Hill Elementary School ensure that all maintenance personnel assigned to the school system have or will receive, at a minimum, the two (2) hour asbestos-awareness training, as required by the AHERA regulation. Two-Hour Awareness training programs have not been completed for maintenance personnel at the school system. LFR confirmed this through visually inspecting copies of certifications.

As per the AHERA regulation section 763.92 (a), "The LEA shall ensure, prior to the implementation of the O&M provisions of the Management Plan, that all members of its maintenance and custodial staff (custodians, electricians, heating/air conditioning engineers, plumbers, etc.) who may work in a building that contains ACBM receive awareness training of at least 2 hours, whether or not they are required to work with ACBM. New custodial and maintenance employees shall be trained within 60 days after commencement of employment."

Project No. 104-80168 Fox Hill Elementary School

3.4 Periodic Surveillance

LFR did review documentation regarding periodic surveillance at the school. LFR recommends in the future the school use the periodic surveillance sheets which are provided following each Hazard Assessment Summary Sheets provided as Appendix B.

"At least once every 6 months after a management plan is in effect, each local education agency shall conduct periodic surveillance in each building that it leases, owns, or otherwise uses as a school building that contains ACBM or is assumed to contain ACBM", as per the AHBRA regulation section 763.92 (b) (1).

As per the AHERA regulation section 763.94[d], "for each time that periodic surveillance under section 763.92[b] is performed, the local education agency shall record the name of each person performing the surveillance, the date of the surveillance and any changes in the conditions of the materials".

3.5 Warning Labels

As per the AHERA regulation section 763.95[a], "the LEA shall attach a warning label instanciately adjacent to any friable and non-friable ACBM and suspected ACBM assumed to be ACM located in routine maintenance areas (such as boiler rooms) at each school building". LFR did observe the presence of warning labels at the school.

3.6 Three Year Reinspection

"At least once every 3 years after a Management Plan is in effect, each local education agency (LEA) shall conduct a reinspection of all friable and non-friable known or assumed ACBM in each school building that they lease, own, or otherwise use as a school building, as per the AHBRA regulation section 763.85 (b) (1).

LFR reviewed the previous reinspection reports for this facility.

Short-Term Worker Notification

The AHERA regulation section 763.84 (d) requires that the LEA shall, "ensure that short-term workers (e.g., telephone repair workers, utility workers, or exterminators) who may come in contact with asbestos in a school are provided information regarding the locations of ACIIM and suspected ACBM assumed to be ACM.

LFR did not observe any records in regards to the notification of short-term workers but was informed all sub-contractors are informed of the presence of all ACBM in areas they will be working,

3.8 Fiber Release Episodes

Upon review of the Management Plan documents, LFR did not observe any documentation regarding fiber release episodes.

"For each fiber release episode under 763.91 (f), the LEA 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", as per the AHERA regulation section 763.94 (h)

Response Actions

LFR did review documentation regarding response actions, which have been performed since the performance of the last three year reinspection. This information is listed below:

Project Date:

Abatement Contractor:

DEC-TAM 10 Lowell Street Andover, MA

Project Monitoring: Waste Hauler:

Recon Environmental Services Job Roll-Off Chalsea, MA

Waste Disposal Site:

Kelly Run Sanitation Elizabeth, PA

Summary of Scope of Work: Removal of 5 linear feet of boiler breaching insulation and removal of aproximately400 square feet of floor tile from the

hall outside pud # 1 & 3

REINSPECTION FINDINGS & RECOMMENDATIONS

All material inspected that are listed in the previous 3-year reinspection report remain in very good condition and no physical damage was identified during the inspection. The current condition of all materials reinspected at the school building can be seen on the Hazard Assessment Summary Sheets provided in Appendix B. All materials are evaluated for current condition, changes from previously noted condition and an assessment is made to determine the recommended response for each material. Provided in the next section is a Hazard Priority Summary which ranks the materials in the order of the recommended responses provided for each material. The updated Hazard Priority Summary included as section 5.0 should become the main [Jazard Priority List for the LEA.

Project No. 104-80169 Fox Hill Elementary School

Recommendations

LFR recommends that any damaged asbestos-containing/suspect asbestoscontaining materials which are to remain, be repaired, at a minimum.

All remaining asbestos-containing/suspect asbestos-containing Homogeneous Areas must be maintained under the provisions of an O&M Program as long as they remain in the school building.

The Fox Hill Elementary School's designated person must be notified of all scheduled renovations or demolitions that are to occur. Notification to the designated person allows for any possible disturbance of asbestos-containing materials to be prevented and for the proper handling of ACM at the School.

As required by the AHERA regulations, the Fox Hill Elementary School plan administrator should notify workers, building occupants or their legal guardians of all actions pertaining to asbestos materials at the school building(s).

if materials are discovered that have not been listed in this reinspection report or the initial Asbestos Management Plan, LFR recommends that they be treated as asbestos-containing until sampling can be performed to determine asbestos content.

HAZARD PRIORITY SUMMARY

The Hazard Priority Summary fist ranks the Homogenous Areas which contain asbestos according to their potential for fiber release.

Pactors which may influence decisions as to when areas are to be repaired or abated spart from an area's potential for fiber release might include scheduled renovations, appropriate funding, or the availability of unoccupied areas (such as during vacation periods).

The Hazard Priority Summery list follows:

4.4. D HOMOGENEOUS ARBA	AN ELECTRICOMMENDED RESPONSE ACTION STATES
T-01	O&M PROGRAM
M-01	O&M PROGRAM
T-02	O&M PROGRAM
T-03	O&M PROGRAM
T-04	O&M PROGRAM
M-02	O&M FROGRAM
M-03	O&M PROGRAM
S-01	O&M PROGRAM

HAZARD ASSESSMENT SUMMARY SHEEY

PROJECT #: 104-R0168	HOMOGENEOUS AREA ID #: M-01
STE NAME: FOX HILL ELEMENTARY SCHOOL	PHOTO ID #:
MANAGEMENT PLANNER ID #; AP 51721	NUMBER OF SAMPLES: 0
SQUARE/LINEAGE FOOTAGE: 3 LN. FT	ANALYSIS RUSULT: ASSUMED ACEM

AREA DESCRIPTION

- 5	
- 1	HOMOGOREGUE ADDA DEPODERTON, THE LATERIAL IS NOT BE GLOVEN ASSESSED.
-	HOMOGENEOUS AREA DESCRIPTION: THE MATERIAL IS BOILER GASKET MATERIAL.
- 1	FUNCTIONAL SPACE DESCRIPTION: THE MATERIAL IS LOCATED IN THE HOLER ROOM

ASSESSMENT CRITERIA - CURRENT CONDITIONS

EXISTENCE OF BARRIERS: YES	ABNORMAL ACCESS FEATURES: YES
AIR EROSION: LOW	MAINTENANCE ACTIVITIES; LOW
STUDENT/STAFF ACTIVITIES: LOW	VANDALISM : LOW
OTHER:	POTENTIAL FOR FIBER RELEASE: LOW

COMMENTS: DUE TO THE MATERIALS LOW FRIADILITY ITS POTENTIAL FOR FIBER RELIEASE IS LOW

DAMAGE VACTORS

	Ditintal Pictora				
WATER	HtGH≔	MODERATE	LOW= <1%		
PHYSICAL	HIGH=	MODERATE=	LOW⇔<1%		

DAMAGE FACTORS: NORMAL STUDENT/STAFF ACTIVITIES

RECOMMENDED RESPONSE ACTION (OVERALL)

	ACCOUNTED TO THE TOTAL TO THE TOTAL CO.	
	() IMMEDIATE REMOVAL	
<u> </u>	() REMOVE WHEN PRACTICAL	
<u> </u>	() PATCH & REPAIR	
<u> </u>	() ENCLOSURE	
<u> </u>	() ENCAPSULATION	
L	(X) OPERATIONS & MAINTENANCE	
Í	() OTHER	

RESPONSE ACTION RATIONALE: THE MATERIAL SHOULD BE MAINTAINED UNDER THE PROVISIONS OF AN OPERATIONS AND MAINTENANCE PROGRAM

> ABATEMENT COST ESTIMATE - HOMOGENEOUS AREA ID #: M-61 (LINEAR FOOTAGE) X (REMOVAL PRICE PER FOOT) 3 X \$25.00 = \$75.00 (SQUARE FOOTAGE) X (REMOVAL PRICE PER FOOT) OTHER X \$12,00 = (SQUARE POOTAGE) X (REMOVAL PRICE PER FOOT) X \$2.50 =

> > TOTAL REMOVAL COST ESTIMATE = \$75.00

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HAZARD ASSESSMENT SUMMARY SHEET

PROJECT #: 104-80168	HOMOGENEOUS AREA ID #: M-02
SITE NAME: FOX HALL ELEMENTARY SCHOOL	PHOTO II) #;
MANAGEMENT PLANNER ID #:AP 51721	NUMBER OF SAMPLES:PREVIOUSLEY SAMPLED
SQUARE/LINEAGE POOTAGE: 5,346 SQ: FT.	ANALYSIS RESULT: 35-45% ACBM

AREA DESCRIPTION

HOMOGENEOUS AREA DESCRIPTION: THE MATERIAL IS BLUB AND GRAY TRANSITE SIDING. FUNCTIONAL SPACE DESCRIPTION: THE MATERIAL IS LOCATED AROUND THE OUTER WALLS/EXTERIOR OF THE BUILDING

ASSESSMENT CRITERIA - CURRENT CONDITIONS

EXISTENCE OF BARRIERS: NO	ABNORMAL ACCESS FEATURES: NO
AIR EROSION: LOW	MAINTENANCE ACTIVITIES: LOW
STUDENT/STAFF ACTIVITIES: LOW	VANDALISM : LOW
OTHER:	POTENTIAL FOR FIBER RELEASE: LOW

COMMENTS: MAINTENANCE STAFF AND OUTSIDE CONTRACTORS SHOULD BE INFORMED REGULARLY THAT THIS MATERIAL SHOULD NOT BE DISTURBED

DAMACK RACTORS

Didition Indiana			
WATER	HGH=	MODERATE~	LOW=<1%
PHYSICAL.	HiGB#	MODERATE =	LOW=<1%

DAMAGE FACTORS: NORMAL STUDENT/STAFF ACTIVITIES

 RECOMMENDED RESPONSE ACTION (OVERALL)
 () IMMEDIATE REMOVAL
() REMOVE WHEN PRACTICAL
() PATCH & REPAIR
 () ENCLOSURE
() ENCAPSULATION
 (X) OPERATIONS & MAINTENANCE
 () OTHER

RESPONSE ACTION RATIONALE: THE MATERIAL SHOULD BE MAINTAINED UNDER THE PROVISIONS OF AN OPERATIONS AND MAINTENANCE PROGRAM

> ABATEMENT COST ESTIMATE - HOMOGENEOUS AREA ID #: AI-02 (LINEAR FOOTAGE) X (REMOVAL PRICE PER FOOT) X \$25,00 ~ (SQUARE FOOTAGE) X (REMOVAL PRICE PER FOOT) OTHER.X \$12.00 -

(SQUARE FOOTAGE) X (REMOVAL PRICE PER FOOT) 5,346 SQUARE FEET X \$15.00 - \$50,190.00 TOTAL REMOVAL COST ESTIMATE - \$50,190.00

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SOMMAKT SPILET		
PROJECT #: 104-80168	HOMOGENEOUS AREA ID #: M-03	
SITE NAME: FOX HILL ELEMENTARY SCHOOL	PHOTO ID #:	
MANAGEMENT PLANNER ID #; AP 51721	NUMBER OF SAMPLES; 0	
SQUARE/LINEAGE FOOTAGE: 49,332 SQUARE	ANALYSIS RESULT: ASSUMED ACBM	
FEET		

AREA DESCRIPTION

HOMOGENEOUS AREA DESCRIPTION: THE MATERIAL IS WHITE 12" X 12" FLOOR TILE AND MASTIC IN VARIOUS COLORS PUNCTIONAL SPACE DESCRIPTION: THE MATERIAL IS LOCATED IN CLASSROOMS, STORAGE AREAS, CAPETERIA AND HALLWAYS

ASSESSMENT CRITIGUA - CURRENT CONDITIONS

	Company Commission
EXISTENCE OF BARRIERS: YES	ABNORMAL ACCESS FRATURES: NO
AIR EROSION: LOW	MAINTENANCE ACTIVITIES: LOW
STIDENT/STAFF ACTIVITIES: LOW	VANDALISM: LOW
OTHER:	POTENTIAL FOR FIBER RELUASE; LOW

COMMENTS: DUE TO THE MATERIALS LOW FRIABILITY ITS POTENTIAL FOR FIBER RELEASE IS LOW.

DAMAGE FACTORS

WATER	HIGH-	MODERATE -	LOW=<2%
PHYSICAL	HIGH=	MODERATE=	LOW=<3%

DAMAGE FACTORS: SLIGHT WATER DAMAGE & DETERIORATION FROM AGE AND USE

RECOMMENDED RESPONSE ACTION (OVERALL)

() IMMEDIATE REMOVAL
() REMOVE WHEN PRACTICAL
() PATCH & REPAIR
() ENCLOSURE
() ENCAPSULATION
(X) OPERATIONS & MAINTENANCE
() OTHER

RESPONSE ACTION RATIONALE: THE MATERIAL SHOULD BE MAINTAINED UNDER THE PROVISIONS OF AN OPERATION AND MAINTENANCE PROGRAM.

> ABATEMENT COST ESTIMATE - HOMOGENEOUS AREA ID #: AT-03 (LINEAR FOOTAGE) X (REMOVAL PRICE PER FOOT) % \$25.00 m

(SQUARE FOOTAGE) X (REMOVAL PRICE PER FOOT) OTHER X \$12.00 =

(SQUARE FOOTAGE) X (REMOVAL PRICE PER FOOT) 48,932 SQUARE FEET X \$2,50 - \$122,330,00 TOTAL REMOVAL COST ESTIMATE -\$122,338,00

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FOX HILL ELEMENTARY SCHOOL

HAZARD ASSESSMENT SUMMARY SHEET

POMMAKI SIIGE		
PROJECT #: 104-80168	HOMOGENEOUS AREA ID #: 5-01	
SITE NAME: FOX HILL BLEMENTARY SCHOOL	PROTO ID #:	
MANAGEMENT PLANNER ID #: AP 51721	NUMBER OF SAMPLES: 0	
SQUARE/LINEAGE FOOTAGE: 1,500 SQ, FT.	ANALYSIS RESULT: ASSUMBD ACBM	

AREA DESCRIPTION

HOMOGENEOUS AREA DESCRIPTION: THE MAT	RIAL IS HARD WALL PLASTER
FUNCTIONAL SPACE DESCRIPTION: THE MATE	

ASSESSMENT CRITERIA - CURRENT CONDITIONS

EXISTENCE OF BARRIERS; NO	ABNORMAL ACCESS FEATURES: NO
AIR EROSION: LOW	MAINTENANCE ACTIVITIES: LOW
STUDENT/STAFF ACTIVITIES: LOW	VANDALISM ;LOW
OTHER:	POTENTIAL FOR FIBER RELEASE: LOW

COMMENTS; DUE TO THE MATERIALS LOW FRIABILITY ITS POTENTIAL FOR FINER RELEASE IS LOW.

DAMAGE FACTORS

WATER	IIIGH-	MODERATE	LOW=<1%
PHYSICAL		MODERATE=	LOW=<1%

DAMAGE FACTORS: NORMAL WEAR & TEAR DUE TO STUDENTS/STAFF ACTIVITIES.

RECOMMENDED RESPONSE ACTION (OVERALL)

3 / 51/1901/	
() IMMEDIATE REMOVAL	
() REMOVE WIEN PRACTICAL	
() PATCR & REPAIR	
() ENCLOSURE	
() ENCAPSULATION	
(X) OPERATIONS & MAINTENANCE	
() OTHER	

RESPONSE ACTION RATIONALE: THE MATERIAL SHOULD HE MAINTAINED UNDER THE PROVISIONS OF AN OPERATIONS AND MAINTENANCE PROGRAM

> ABATEMENT COST ESTIMATE - HOMOGENEOUS AREA ID: #: M-04 (LINEAR FOOTAGE) X (REMOVAL PRICE PRR FOOT) X \$25,00 -

(SQUARE POOTAGE) X (REMOVAL PRICE PER POOT) OTHER X \$12.00 =

(SQUARE FOOTAGE) X (REMOVAL PRICE PER FOOT)

1,500 SQ, FT, X \$2.50 - \$18,000.00

TOTAL REMOVAL COST ESTEMATE = \$18,080.60

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HAZARD ASSESSMENT SUMMARY SHEET

PROJECT #: 104-80168	HOMOGENEOUS AREA ID #: T-01
SITE NAME: FOX HILL ELEMENTARY SCHOOL	PHOTO ID #:
MANAGEMENT PLANNER ID #: AP 51721	NUMBER OF SAMPLES: 0
SQUARE/LINEAGE FOOTAGE;	ANALYSIS RESULT: ASSUMED ACBM
10,500 SQ. FT.	1

AREA DESCRIPTION

HOMOGENEOUS AREA DESCRIPTION: THE MATERIAL IS GRAY TANK INSULATION
FUNCTIONAL SPACE DESCRIPTION: THE MATERIAL IS LOCATED IN THE BOILER ROOM

ASSESSMENT CRITERIA - CURRENT CONDITIONS

- 1		· · · · · · · · · · · · · · · · · · ·
ì	EXISTENCE OF BARRIERS: NO	ABNORMAL ACCESS FEATURES; YES
Į	AIR EROSION: LOV	MAINTENANCE ACTIVITIES: LOW
		VANDALISM: ŁOW
	OTHER:	POTENTIAL FOR FIBER RELEASE: MODERATE

COMMENTS: ANY MATERIALS SHOULD BE PATCHED & REPAIRED

DAMAGE FACTORS

WATER	11 G }=	MODERATE=	LOW <5%
PHYSICAL.	HIGH=	MODERATE⇒	LOW=<5%

DAMAGE FACTORS: WATER LEAKS & MAINTENANCE ACTIVITIES

RECOMMENDED RESPONSE ACTION (OVERALL)

() IMMEDIATE REMOVAL
() REMOVE WHEN PRACTICAL
(X) PATCIL & REPAIR
() ENCLOSURE
() ENCAPSULATION
(X) OPERATIONS & MAINTENANCE
() OTHER

RESPONSE ACTION RATIONALE; THE MATERIAL SHOULD BE MAINTAINED UNDER THE PROVISIONS OF AN OPERATIONS AND MAINTENANCE PROGRAM.

ABATEMENT COST ESTIMATE – HOMOGENEOUS AREA ID #: NI-95 (LINEAR FOOTAGE) X (REMOVAL PRICE PER FOOT) X \$25.60 = (SQUARG FOOTAGE) X (REMOVAL PRICE PER FOOT)

\$Q. FT. X \$1.50 \(\text{SQUARE FOOTAGE} \) X (REMOVAL PRICE PER FOOT)
126 \$Q. FT. X \$25.00 \(-53.150.00 \)

126 SQ. FT, X \$25.00 - \$3,150.00 TOTAL REMOVAL COST ENTIMATE = \$3,150.00

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FOX HELL ELEMENTARY SCHOOL

HAZARO ASSESSMENT SUMMARY SHEET

g	**************************************	
PROJECT #: 104-60168	HOMOGENEOUS AREA RD #: T-02	
SITE NAME: FOX HILL ELEMENTARY SCHOOL	PHOTO ID #:	
MANAGEMENT PLANNER ID #: AP 51721	NUMBER OF SAMPLES: PREVIOUSLY SAMPLED	
SQUARE/LINEAGE FOOTAGE:85 LN.FT.	ANALYSIS RESULT: 1-3% ACHM	

AREA DESCRIPTION

	HOMOGENEOUS AREA DESCRIPTION; THE MATERIAL IS HARD PACKED FITTING INSULATION ON
i	STRAIGHT FIBER-GLASS INSULATED PIPE
	FUNCTIONAL SPACE DESCRIPTION: THE MATERIAL IS LOCATED IN THE BOILER ROOM

ASSESSMENT CRITERIA - CURRENT CONDITIONS

EXISTENCE OF BARRIERS: NO	ABNORMAL ACCESS FEATURES: YES	
AIR EROSION: LOW	MAINTENANCE ACTIVITIES: LOW	
STUDENT/STAFF ACTIVITIES; LOW	VANDALISM :LOW	
OTHER:	POTENTIAL FOR FIBER RELEASE: LOW	

COMMENTS: THE MATERIALS SHOULD BE MAINTAINED UNDER THE PROVISIONS OF AN O $\&\,\mathrm{M}$ Program.

DAMAGE FACTORS

WATER	High-	MODERATE -	LOW=<1%
PHYSICAL	HIGH=	MODERATE≃	1,0W=<3%

DAMAGE FACTORS: NORMAL STUDENT/STAFF ACTIVITIES AND WATER LEAKS

RECOMMENDED RESPONSE ACTION (OVERALL)

() IMMEDIATE REMOVAL.
() REMOVE WHEN PRACTICAL
(X) PATCII & REPAIR
() ENCLOSURE
() ENCAPSULATION
(X) OPERATIONS & MAINTENANCE
() OTHER

RESPONSE ACTION RATIONALE: THE MATERIAL SHOULD BE MAINTAINED UNDER THE PROVISIONS OF AN OPERATIONS AND MAINTENANCE PROGRAM

ABATEMENT COST ESTIMATE - HOMOGENEOUS AREA 1D #: T-02
(LINEAR FOOTAGE) X (REMOVAL PRICE PER FOOT)
85 LN. FT.X \$25.00 = \$2,125.00
(SQUARE FOOTAGE) X (REMOVAL PRICE PER FOOT)
\$0, FT. X \$1.50 =

(SQUARE FOOTAGE) X (REMOVAL PRICE PER FOOT)
TOTAL REMOVAL COST ESTIMATE = \$2,125.00

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HAZARD ASSESSMENT SUMMARY SHEET

PROJECT #: 104-80168	HOMOGENEOUS AREA ID 8: T-03
SITE NAME: FOX HILL ELEMENTARY SCHOOL	PHOTO ID #.
MANAGEMENT PLANNER ID #: AP 51721	NUMBER OF SAMPLES: PREVIOUSLY SAMPLEDO
SQUARE/LINEAGE FOOTAGE: 24 SQ. Fr.	ANALYSIS RESULT: 40-50% ACRM

AREA DESCRIPTION

HOMOGENEOUS AREA DESCRIPTION: THE MATERIAL IS BOILER BREACHING INSULATION
PUNCTIONAL SPACE DESCRIPTION: THE MATERIAL IS LOCATED IN THE BOILER ROOM

ASSESSMENT CRITERIA - CURRENT CONDITIONS

EXISTENCE OF BARRIERS: NO	ABNORMAL ACCESS FEATURES; YES
AIR EROSION: LOW	MAINTENANCE ACTIVITIES: LOW
STUDENT/STAFF ACTIVITIES: LOW_	VANDALISM : LOW
OTHER:	POTENTIAL FOR FIBER RELEASE: LOW

COMMENTS: MATERIAL IS IN A REMOTE PART OF THE BUILDING (BOILER ROOM)

DAMAGE FACTORS

WATER	HIGH=-	MODERATE=	LOW ≥ < 2%
PHYSICAL	HIGH==	MODERATE -	LOW<4%

DAMAGE PACTORS: MAINTENANCE ACTIVITIES AND WATER LEAKS ARE PROBABLE CAUSES OF DAMAGE

RECOMMENDED RESPONSE ACTION (OVERALL)	
() IMMEDIATE REMOVAL	
() REMOVE WHEN PRACTICAL	
() PATCH & REPAIR	
() ENCLOSURE	
() ENCAPSULATION	
(X) OPERATIONS & MAINTENANCE	
() OTHER	

RESPONSE ACTION RATIONALE: THE MATERIAL SHOULD BE MAINTAINED UNDER THE PROVISIONS OF AN OPERATION AND MAINTENANCE PROGRAM.

ABATEMENT COST ESTIMATE - HOMOGENEOUS AREA ID #; 17-03 (LINEAR POOTAGE) X (REMOVAL PRICE PER FOOT) X \$25.00 --(SQUARE FOOTAGE) X (REMOVAL PRICE PER FOOT)

40 SQ, FT, X \$25,00 \(\sime\) \$1,000.00

TOTAL REMOVAL COST ESTIMATE = \$1,000.60

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FOX HILL PLEMENTARY SCHOOL

Levine-Fricke-Recon

HAZARD ASSESSMENT SUMMARY SHEET

The state of the s	
PROJECT #: 104-80168	IJOMOGENEOUS AREA ID #: T-04
SITE NAME: FOX HILL ELEMENTARY SCHOOL	PHOTO ID #:
MANAGEMENT PLANNER ID #: AP 51721	NUMBER OF SAMPLES: 0
SQUARE/LINEAGE FOOTAGE: N/A.	ANALYSIS RESULT: ASSUMED ACEM

AREA DESCRIPTION

HOMOGENEOUS AREA DESCRIPTION: THE MATERIAL IS LOCATED THROUGHOUT THE BUILDING
DUNCTIONAL SPACE DESCRIPTION: THE MATERIAL IS LOCATED THROUGHOUT THE BUILDING
DUNCTIONAL SAND ABOVE SOME CEILINGS

ASSESSMENT CRITERIA - CURRENT CONDITIONS

EXISTENCE OF BARRIERS: YES	ABNORMAL ACCESS FRATURES: YES
AIR EROSION: LOW	MAINTENANCE ACTIVITIES: MODERATE
STUDENT/STAFF ACTIVITIES: LOW	VANDALISM : LOW
OTHER:	POTENTIAL FOR FIBER RELEASE: LOW

COMMENTS: DUE TO THE MATERIALS LOW FRIABILITY ITS POTENTIAL FOR FIBER RELEASE IS LOW.

DAMAGE PACTORS

WATER	HGHa	MODERATE-	LOW=<1%
PHYSICAL	HIGH=	MODERATE.	LOW=<1%

DAMAGE FACTORS: NORMAL STUDENT/STAFF ACTIVITIES

RECOMMENDED RESPONSE ACTION (OVERALL)

() IMMEDIATE REMOVAL

() REMOVE WHEN PRACTICAL

() PATCH & REPAIR

() ENCLOSURE

() ENCASSULATION

(X) OPERATIONS & MAINTENANCE

() OTHER

RESPONSE ACTION RATIONALE: THE MATERIAL SHOULD BE MAINTAINED UNDER THE PROVISIONS OF AN OPERATIONS AND MAINTENANCE PROGRAM.

ABATEMENT COST ESTIMATE - HOMOGENEOUS AREA ID #: U-04
(LINEAR FOOTAGE) X (REMOVAL PRICE PER FOOT)

X \$25.00 =
(SQUARE FOOTAGE) X (REMOVAL PRICE PER FOOT)

SQ. FT. X \$1.00 =

(SQUARE FOOTAGE) X (REMOVAL PRICE PER POOT)
TOTAL REMOVAL COST ESTIMATE = UNKNOWN

FOXAUHAZ.DOC:PH

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TOWN OF BURLINGTON

BOARD OF HEALTH 61 Conter Street Burlington, Massachusetts 01003 (617) 270-1055 • Fax 270-1605

To: Craig Robinson
Director of Facilities & Grounds

October 16, 1997

From: Todd H. Dresser

Subject: Leaking underground storage tank at Foxbill School

I would like to request a copy of the following information related to the leaking underground storage tank discovered at the Foxhill School: the release notification form filled with the Massachusetts Department of Environmental Protection, a copy of all sampling or environmental assessment data generated by this discovery, a copy of the signed bill of lading for the disposal of the contaminated soil, and a copy of the closure form filed with the DBP. I already have the tank disposal records and the manifest for the disposal of the oil removed from this tank.

I would appreciate it if you could forward this information to the Board of Health at your carliest convenience.

Purchasa Order

Purchase	532
Order	
204291430	
ACCOUNT TO E	E CHARGED

PURCHASE ORDER

Burlington Public Schools
Burlington, MA 01803-3798

Jodi General Contractors 36 Douglas Avenue Burlington, MA 01603 Att: Bichard J. Bagni 272-4437

Date 10/15/97			Døpl.	Mass, Tax Exempt	••••
Quantity		Description	Plants	04-600-1104W Unit Price	Amount
	flamoval 500 g Remove conta Install new sia tank for gener Remove of 27	minted soil & o b for 275 dble rator	lispose Wali		3150,00
			Total:		3150.00
					;
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Page 1



GULF OF MAINE RESEARCH CENTER INC. **ENVIRONMENTAL CONSULTING SERVICES**

204 LAFAYETTE STREET SALEM, MA 01970 (508) 745-6618 FAX (508) 741-8649

August 18, 1997

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Dr. James Picone Assistant Superintendent for Business & Finance Burlington Public School Department 123 Cambridge Street Burlington, MA 01803

Underground Storage Tank Removal and Limticd Removal Action Fox Hill School, Burlington, MA

Dear Dr. Picone:

Gulf of Maine Research Center, Inc. (GMRC) is pleased to provide this summary report of environmental services at the property referenced above (the "Site").

On April 23, 1997, a 500 gallon underground No. 2 fuel oil storage tank (UST) was removed from the west side of the Fox Hill School (Figure 1) and disposed of by Jodi General Contractors (JGC) of Burlington, MA, During removal of the tank, a small quantity of stained soil was encountered in the vicinity of the fill pipe on the UST. JGC notified the Burlington Fire Department and the Burlington Board of Health that apparent soil contamination had been encountered,

On the same date, Jeffrey Kelly of GMRC supervised the excavation and segregation of suspected contaminated soil. All stained soil was excavated, stockpiled on, and covered with 6 mil polyethylene sheering. Soil expected to be clean was piaced in a separate pile.

Following removal of the stained soil, one soil sample was collected from each of the four tank excavation walls (SS 101 - SS 104). The floor of the tank excavation was formed by GULF OF MAINE RESEARCH CENTER INC.

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the concrete UST anchor pad. Therefore, a soil sample was not collected from the floor. One representative soil sample, designated SP 101, was collected from the stockpile of suspected clean material and one representative soil sample, designated SP 102 was collected from the suspected contaminated stockpile. Soil samples were kept cold until they were delivered to ESS of Cranston, RI (a Massachusetts Certified Laboratory) for analysis of total petroleum hydrocarbon (TPH) by EPA 8100M. The results of the analyses are presented in Table 1. Full laboratory reports and chain of custody documentation are included in Appendix A.

Table 1. Petroleum in Soil Fox Hill School, Burlington, MA April, 1997

Sample ID	Location	TPH (mg/kg)
SS 101	Tank Pit Wall	<28
SS 102	Tank Pit Wall	<28
SS 103	Tank Pit Wall	<28
S\$ 104	Tank Pit Wall	<27
SP 101	"Clean" Stockpile	<27
SP 102	"Contaminated" Stockpile	926*

* TPH by EPA 418.1

The data presented in Table 1 indicates that residual petroleum hydrocarbon concentration in soil in the vicinity of the former UST at the Pox Hill School is less than 28 mg/kg. The clean stockpile was returned to the UST excavation. Clean fill from off site was used to backfill the excavation to the existing grade. The contaminated soil stockpile was transported to Bardon Trimount of Salem, MA for recycling into bituminous pavement on August 7, 1997 (Appendix B).

The soil removal has been performed as a "Limited Removal Action" in accordance with 310 CMR 40.0318. Because levels of residual petroleum have been reduced to below 500 mg/kg, reporting to the Massachusetts Department of Environmental Protection (DEP) is not required. Pursuant to 310 CMR 40.0318(7)(6) you must retain this report and supporting documentation for a minimum of five years. GMRC recommends that you tetain it indefinitely. M If you have any questions, please contact me or my associate, Jeffrey Kelly. The results of this investigation and Response Action are subject to the Limitations stated in Appendix C. 8 1 cc: Richard Bagni, Sr. Jodi General Contractors

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ESS Laboratory

Division of Thielsch Engineering, Inc.

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PROJECT NARRATIVE

CLIENT: Gulf of Maine Research CLIENT PROJECT ID: Fox Hill School

ESS PROJECT ID: 971330

Sample Receipt

Six solid samples were received on April 25, 1997 for the analyses specified on the enclosed Chain of Custody Record.

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. These analyses with these noted observations are in conformance to the Quality Assurance Plan.

No unusual observations noted.

This signed Certificate of Analysis is our approved release of your analytical results. Beginning with this Project Narrative, the entire report has been paginated. The Chain of Custody is the final report page. This report should not be copied except in full without the approval of the laboratory.

End of project narrative,

Phyllis Shiller/Ron McCullen

5/20/91 Date

Kaboratory Director/QA Manager

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195 Frances Avenue, Cranston, RI 02910-2211

Tel. (401) 467-6454 Fax (401) 467-2398

ESS Laboratory

Division of Thielseh Engineering, Inc.

CERTIFICATE OF ANALYSIS

TOTAL PETROLEUM HYDROCARBON GC/FID 8100M

Client: Gulf of Maine Research

Client Project ID: Fox Hill School

ESS Project ID: 971330

Client Sample ID: SS 101 Date Sampled: 4/23/97

ESS Sample ID: 971330-01 Date Extracted: 5/7/97

Date Analyzed: 5/9/97

Dilution Factor: 1x

Parameter

Results (mg/Kg dry wt.)

MRL

Total Petroleum Hydrocarbon

ND

28

ND = Not Detected above Method Reporting Limit (MRI.)

195 Frances Avenue, Cranston, RI 02910-2211

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Tel. (401) 467-6454 Fax (401) 467-2398

ESS Laboratory Division of Thielsch Engineering, Inc. N. CERTIFICATE OF ANALYSIS TOTAL PETROLEUM HYDROCARBON GC/FID 8100M Client: Gulf of Maine Research Client Project ID: Fax Hill School BSS Project ID: 971330 Client Sample ID: SS 102 ESS Sample ID: 971330-02 Date Sampled: 4/23/97 Date Extracted: 5/7/97 Date Analyzed: 5/9/97 Dilution Factor: Ix Results (mg/Kg dry wt.) Parameter MRL Total Petroleum Hydrocarbon ND 28 ND = Not Detected above Method Reporting Limit (MRL) 0003 Approved by;_ 195 Frances Avenue, Cranston, RJ 02910-2211 Tel. (401) 467-6454 Fax (401) 467-2398

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CERTIFICATE OF ANALYSIS		
TOTAL	PETROLEUM HYDROCARBON GC/FID 8100M	
	Valvana	
Client: Gulf of Maine Research		
Client Project ID: Fox Hill School	ESS Pro	oject ID: 971330
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Date Sampled: 4/23/97 Date Analyzed: 5/9/97		tracted: 5/7/97 1 Pactor: 1x
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Approved by: Mld.	1)ate: 5/21	v/m 000

ESS Laboratory ESS Laboratory Division of Thielsch Engineering, Inc. Division of Thielsch Engineering, Inc. 1 CERTIFICATE OF ANALYSIS CERTIFICATE OF ANALYSIS 1 TOTAL PETROLEUM HYDROCARBON GC/FID TOTAL PETROLEUM HYDROCARBON GC/FID 8100M 8100MClient: Gulf of Maine Research Client: Gulf of Maine Research Client Project ID: Fox Hill School ESS Project ID: 971330 Client Project ID: Fox Hill School ESS Project ID: 971330 Client Sample ID: SS 104 ESS Sample ID: 971330-04 Client Sample ID: SP 101 ESS Sample ID: 971330-05 Date Sampled: 4/23/97 Date Extracted: 5/7/97 Date Sampled: 4/23/97 Date Extracted: 5/7/97 Date Analyzed: 5/9/97 Dilution Factor: 1x Date Analyzed: 5/9/97 Dilution Factor: 1x J Results (mg/Kg dry wt.) MRL **Parameter** Parameter Results (mg/Kg dry wt.) MRL Total Petroleum Hydrocarbon ND 27 Total Petroleum Hydrocarbon ND 27 ND = Not Detected above Method Reporting Limit (MRL) ND = Not Detected above Method Reporting Limit (MRL) Date: 5/20/71 Approved by:___ m/20/57 0006 195 Frances Avenue, Cranston, RI 02910-2211 Tel. (401) 467-6454 Fax (401) 467-2398 195 Frances Avenue, Cranston, RI 02910-2211 Tel. (401) 467-6454 Fax (401) 467-2398

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CERTIFICATE OF ANALYSIS			·/ <u></u>	· · · · · · · · · · · · · · · · · · ·
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Client Project ID: Fox Hill School		ES	S Project ID: 97133	9
Client Sample ID; SP 102			S Sample ID: 97133	
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fatal Petroleum Hydrocarbon	926	mg/Kg	22	418,1
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195 Francos Avenue, Cranston, RI 029	10-2211	Tel. (40	1) 467-6454 Fax (401) 467-2398

PERCENT SOLIDS SECTION

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	PERCENT SOLIDS		
Client: Gull of Muine Research			
Client Project ID: Fox Hill School		ESS Project ID: 971330	
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ESS Laboratory	Client	Result	
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971330-04	SS 104	91	
971330-05 971330-06	SP 101 SP 102	92 92	
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in auto		Date: 5/21/97	0009
Approved by:		Date: 5/21/97	

QUALITY CONTROL SECTION

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	CERTIFICATE OF ANALYSIS			CERTIFICATE OF ANALYSIS			
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	SURROGATE RECOVERY				8100M		
	Client: Gulf of Maine Research		! IJ			·	
	Client Project ID: Fox Hill School ESS Project ID: 971330			Client Project ID: Fox Hill School		ESS Project ID: 971330	
I	Sample ID o-Terphenyl (50-150%)			Client Sample ID: Method Blank Date Sampled: N/A		ESS Sample ID: GC0507B2 Date Extracted: 5/7/97	
	GC0507B2 75 971330-01 89			Date Analyzed: 5/9/97		Dilution Factor: 1x	
	97(330-02 76 97(330-03 81 97(330-04 76		500	Parameter	Results (mg/Kg dry wt.)	MRL	
	971330-05 87			Total Petroleum Hydrocarbon	ND	25	
	# Column to be used to flag recovery values with an asterisk when outside of Advisory Limits.						
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			競	ND = Not Detected above Method Reportin	eg Limit (MRL)		
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F	Approved by: Me Date: 5/21/97		1				
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17	195 Frances Avenue, Cranston, RI 02916-2211 Tel. (401) 467-6454 Fax (401		15 g	Approved by: The 195 Frances Avenue, Cranston, RI 02910	Date:	5/11/11 001 401) 467-6454 Fax (401) 467-2398	

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ESS LABORATORY CERTIFICATIONS

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Rhode Island: RI002

Connecticut: PH-0750

Maine: RI002

Massachusetts: RI002

New Hampshire: Drinking Water: 242496-F Wastewater: 242496-B

New Jersey: 78002

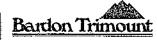
New York: 11313 Environmental Analysis/Water: 033976 Solid and Hazardous Waste: 033977

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	APPENDIX B SOIL DISPOSAL DOCUMENTATION
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August 8, 1997

JEFF KELLY GULF OF MAINE RESEARCH CENTER 204 LAFAYETTE STREET SALEM, MA 01970

Re: Soil,

Fox Hill School

Fox Hill Road

Burlington, MA Release Tracking #: LRA

The recyclable soil from the above address was received at our facility on August 7, 1997. Attached are the shipper's log of soil receipts which total 8.78 tons along with the Bills of Lading and other receipt documentation.

We will issue a "Certificate of Recycling" upon request after processing.

Thank you for recycling soil at our Salem facility.

Yours truly,

David M. Peter, Manager

Environmental Services

2	
	Massachusetts Department of Environmental Protection BWSC-012A Bureau of Waste Site Cleanup
	BILL OF LADING (pursuant to 310 CMR 40.0038)
	A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED: Release Notice (optional): Fox H: Schoo Street: Location Aid
	City/Town: Bueling fow, MA Zip Code: 01803 - Oste/Poired of Generation: 04/23/27 to 04/23/27 Additional Rollages Tracking Numbers Associated with this Dill of Ledicp. None
	*Note: (f this Bill of Lading is the result of a Limiter Removal Action (LRA) taken prior to Natification, a Release Tracking Number is not needed.
	B. PERSON CONDUCTING RESPONSE AUTION ASSOCIATED WITH BILL OF LADING! Name of Consection: Burlington Rubbit School Apartment Assistant Superintendent Name of Consect: Tannes Piconse Street: 123 Contacting Street Caylorin Burlington Street Caylorin Burlington Street State: M Zip Code: 01803-
	Telephone: (JET) = .270 = LBEL Ed
4	C. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING: [check one/specify]
	RP Specify (or the one): (Owner) Operator Generator Transporter Other RP: PRP Specify (circle one): Owner Operator Generator Transporter Other PRP: Fiducitry/Secured Lender Agency/Public Utility on a Right of Way
	Other Person: If an owner and/or operator is not conducting the response action associated with the Bill of Leding, provide an an attachment the name, contact person, address and telephone number, including any area code and extension, for each, it known.
	D. THANSPORTERICOMMON CARRIER INFORMATION: Transportericommon Carrier Name: Jodi General Community
38	Consact Person: Rithard Bagai Sr. Tille: GENERAL Manager Street: 36 Dauglas Avenue CityTown: Bueling for State: MA 2p Code: 21803 - Telephone: 417 - 272 - 4437 Ext.
審	E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:
	Operstant Science Barned Trainment Contact Person: Davio Peter Street 30 Danvers Coad
	City/fown: SALEM State: MA Zip Code: 0.1960 - Telephone. 617 - 341 - 5500Ent. Type of Facility: Apphali Batch/Cold Mrx. Landkl/Disposal Incinerator
	(check one)
ं सम्ब	Division of Hezardous NE-93-110 Division of Solid Waste Waste/Class A Parmu n. NE-93-110 Division of Solid Waste Waste/Class A Parmu n. NE-93-110 Division of Solid Waste Waste/Class A Parmu n. MAD 001014984 Actual/Anticipated Period of Temporary Storage (specify dates if applicable):/ / to//
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Fox Hill School Burington, M

Massachusetts Department of Environmental Protection BWSC-01 Bureau of Waste Site Cleanup	1
BILL OF LADING (pursuant to 316 CMR 40,8030) SUMMARY SHEET	7 _
L ACKNOWLEDGEMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE LOCATION:	
Receiving Facility/Tumporary Location Representative (punit): DAVID M. PETTIC Title: G.Cn. Mng. Env. Ser	'u
Signature: Date 8 8 77]
M. ACKNOWLEDGEMENT 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 liness individuals immediately esponable for obtaining the bid hard information correlated herein is, to the bast of my knowledge and belief, true, excrete one complete. I are await that there are significant penalties, including, but not limited to, possible lines and implicament, for will-fully submitting later. Inscruzer, or	L
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	GULF OF MAINE RESEARCH CENTER INC.
W	APPENDIX C LIMITATIONS
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GULF OF MAINE RESEARCH CENTER INC.

LIMITATIONS

- 1.) The work described in this report was carried out in accordance with the terms and conditions in our contract. The observations described in this report were made under the conditions stated within this report. The conclusions stated in this report are based solely on the visual, historical and/or physical information collected by GMRC. Unless specifically stated in this report, no subsurface excavations were conducted at the Site in conjunction with this site assessment, and no sampling and analysis of ground water or subsurface materials were conducted. The conclusions presented in this report are based solely upon the services described, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client.
- 2.) In preparing this report, GMRC has relied on certain information provided by State and local officials and other referenced parties, and on information contained in the files of federal, state and/or local agencies available to GMRC at the time of the assessment as stated in the report. Although there may have been some degree of duplication in the information provided by these various sources, GMRC did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this investigation.
- 3.) The purpose of this report was to assess the physical characteristics of the Site with respect to the presence in the environment of hazardous materials or oil, as defined in Massachusetts General Laws Chapter 21E. No specific attempt was made to check compliance of present or past owners or operators of the Site with federal, state or local laws or regulations, environmental or otherwise.
- 4.) Observations were made of the Site and of structures on the Site as indicated in the report, GMRC renders no opinion as to the presence of hazardous materials or oil in any portion of the Site or structure where access was unavailable or limited. In addition, GMRC renders no opinion as to the presence of hazardous material or oil, or to the presence of indirect evidence relating to hazardous material or oil, where direct observation of the interior walls, floor or ceiling of a structure on the Site was obstructed.
- 5.) The information contained in this report is based upon visual observations, record examination, and queries of state/local officials. GMRC did not perform testing or analyses to determine the presence or concentration of asbestos, radon, lead, polychlorinated biphenyls (PCBs), or of dust or air quality at the Site unless specifically stated otherwise in the report. Due to time and/or budgetary constraints, the conclusions contained in this report have not been confirmed through any program of subsurface exploration unless specifically stated otherwise in this report.
- 6.) The conclusions set forth in this report are based on generally accepted technical practices. In performing the services, GMRC shall use that degree of care and skill ordinarily exercised by environmental consultants or engineers performing similar services in the same or similar locality. The standard of care shall be determined solely at the time the services are rendered and not according to standards used at a later date. The services shall be rendered without any other warranty, expressed or implied, including, without limitation the warranty of merchantability and the warrant of fitness for a particular purpose.

GULF OF MAINS RESEARCH CENTER INC.

- 7.) Any water level readings made in test pits, test borings, and/or monitoring wells were made at the times and under the conditions stated in this report. However, it must be noted that fluctuations in the groundwater table may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.
- Variations in the types and concentrations of contaminants and variations in contaminant flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors.
- Quantitative laboratory analyses were not performed as part of the investigation unless specifically stated otherwise in this report. The conclusions and recommendations contained in this report are based in part, where stated, upon various types of chemical data and are contingent upon their validity. These data have been reviewed and interpretations made by GMRC in this report. Where such analyses have been conducted by an independent Massachusetts Certified laboratory, GMRC has relied upon the data provided. As indicated in this report, some data may be preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is
- 10.) The conclusions and recommendations contained in this report are based in part, where stated upon chemical analyses which have been performed for specific constituents during the course of this investigation. However, it should be noted that additional chemical constituents not analyzed during the current or previous investigations may be present in soil and/or ground water at the Site. Conclusions which rely on analytical data obtained at the Site are based on the detection of specific compounds at detected concentrations noted in this report. This information does not preclude the possibility that additional compounds and/or concentrations may be present at the Site.
- 11.) Additional chemical data or other information concerning this Site or neighboring properties which may become available in the future, should be made available to GMRC for review. GMRC will evaluate such information and, on the basis of this evaluation, the conclusions and recommendations presented in this report may be modified accordingly.
- 12.) The conclusions and recommendations contained in this report are based in part, where noted, upon data obtained from a limited number of soil and/or water samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.
- 13.) This report is intended for use by the party (parties) identified on the title page and with whom GMRC is under contractual agreement. Any reproduction, distribution, sale or transfer of this report or any part of the report is unauthorized unless prior written consent is granted by GMRC. However, GMRC acknowledges and agrees that the report may be conveyed to the Buyer, Lender, and Title Insurer associated with the proximate sale of the Site by our Client,

GMRC has no present or contemplated interest in the property examined, and neither the employment to conduct this environmental assessment, nor the compensation of this environmental assessment, are contingent upon the outcome of the environmental assessment. Furthermore, GMRC has no personal interest or blus with respect to the subject matter of this investigation.

SIX-MONTH (6) REINSPECTION HAZARD ASSESSMENT SUMMARY SHEET

FOX HILL ELEMENTARY

Date:	lune,	1997	Inspector: Patric	k O'Brien	
		Areas: 1. 2. 3. 4. 5. 6. 7. 8.	Boiler Room Boiler Room Boiler Room Belind walls & cei Electrical Room Boiler Room Outside/Inside Built Classrooms, Storage Cafeteria, Hallways Cafeteria Walls	ling Areas, Offices	- T-01 - T-02 - T-03 - T-04 - T-05 - M-01 - M-02 - M-03 - S-01
1. E	id you		ne last visual inspecti x yes	on in this area ?	
2.	Are yo which	ou familiar this inspec	with the locations	and prior condition	of ACBM in the area
		к	yes	no	
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5.	Evaluat followi	e the phy ng criteria	vsical condition of by checking the	ACBM in this are: appropriate statemen	a. Evaluate each of the nt.
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REINSPECTION SUMMARY SHEET - FOX HILL ELEMENTARY

Fill out every six months and insert in Appendix of Management Plan

HO Ares		Comments	
5-01	Hard Plaster	Cafeteria Walls	No Change
Mi-03	12" x 12" Fluor Tiles	Classrooms, Storage Areas, Offices, Halls Cafeterta	No Change
M-02	Transite Siding Panels	Outside/inside Bldg.	No Change
M-01	Boiler Gasket	Inside Boiler doors	No Change
T-05	Emerg, Gener, Exhaust	Electrical Room	No Change
T-04	Elbow fittings insulation	Behind walls &ceilings	N/A
T-03	Botter Breeching Insulation @ pipe	Boller Room	No Change
T-02	Pipe Fittings	Boller Room	No Change
T-01	Hot Water Tank	Boller Room	No Change
HOMOGENOUS NUMBER	DESCRIPTION OF ACBM	ARBA INSPECTIED	CHANGE IN CONDITION (IP ANY)

Inspectors Name: Patrick O'Brien	
Inspectors Signature: Patrick Q	Bri.
Date: 6-30-97	LEA:

Burlington Public Schools

123 CAMBRIDGE STREET BURLINGTON, MA 01803 (617) 270-1814

Craig F. Robinson Director Buildings & Grounds

To:

Todd Dresser, Environmental Engineer

From:

Craig Robinson, Director CFK Buildings & Grounds

Date:

May 5, 1997

Re:

Manifest

Enclosed please find the Hazardons Waste Manifest for the Fox Hill oil tank removal.



COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street

Boston, Massachusetts 02108

FOR IN-STATE WASTE OIL ONLY OR IN-STATE VSQG HW/WO

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COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION OR ONLY ONE WINTER Street DIVISION OF HAZARDOUS MATERIALS ONE Winter Street Boston, Massachusetts 02108 Thos. (Founded for use on allies 112-pitch), Ingentification

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Department of Public Safety Division of Fire Prevention and Regulation

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FORM

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Tank Data:	Tank Removed From:
Galions 500	For Hill Rd. Fox Hill School (No. and Street)
Previous Contents # 2 fact	Builington
Diameter 46'Length 5'5"	(City or Town)
Date Received 4-23 57	Fire Dept. Permit #
Serial # (if available) -	
Tank I.D. # (Form FP-290)	
Owner/Operator to mait revised copy of N 290R) to: UST Compliance, Office of the S Commonwealth Avenue, Boston, Ma. 022	State Fire Marshal, 1010

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TOWN OF BURLINGTON BOARD OF HEALTH

BUILINGTON, MASSACHUSETTS 01803 TOWN HALL 270-1935

	1
Inspection at UST Removal	Dale Apr. / 23/97711mo 12-00 pm
Natno	Address Fox thil Rd
Owner John of Bulington	₹-1 11.
Type of Inspection	Inspector Tadeth Dresser
(') Remarks and Violations are fisted below:	
I inspected the veneral	of a 500 geller UST from
For Hill School Based on	visual inspection - odors
Fan Hill School Based an	ceram contracted determined
That a release had occur	red Overfilling is believed
to have been the cause	Stained sail ans observed
in The excavation No stee	is were present in the
- granderates present in	The excavation Dack Busin
Contracted bull of Mine Re	search for LSP assistance.
As an interior measure	Aute Banis State alul
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Report Received by: ______



JOHN C. TOMBARELLO & SONS Inc.
207 MARSION STREET * LAWRENCE, MASS 01081
121. [508] 687-5278 * [508] 687-5277 * FAX [508] 688-6484
6UYERS AND PROCESSORS OF FERROUS AND NON-FERROUS METALS
PROCESSORS OF MARSING THE CONTROL SCRAP
WE ALSO SELL NEW AND USED STRUCTURAL STEEL

SOLD TO SOLD GLOU ALL CLIEF DATE 463 97

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Richard J. Bagni 272-4437

36 DOUGLAS AVENUE BURLINGTON, MA 01803

GENERAL CONTRACTORS

SNOW PLOWING & REMOVAL
TRUCKING • EXCAVATING • SAND • LOAM • WELDING

Date 9/ July 9 Job Location Fox All School

10 Town CF Benbuyton Public School Dans. 123 Cambridge St. Bally Pry MASS

VEHICLE	DATE	HOURS	DESCRIPTION	HATE	AMOUNT
VEHICLE Small Plow Large Plow Durep Truck Small Loader Large Loader Backhoe Dozer Sandling	DATE		REMONE SOC GAMEN U.S.T. E DISPOSE OF ACCOMMY TO LOCAL & STATE FINE CODE CAMP, STOPPE FINE CODE CAMP, STOPPE FINE CODE CAMP, STOPPE AT TRIMENT BANDED PLEAT, INSTEAL NEW SLOB FOR JI DUNGLE WHI TANK FOR GENERATEN & PLOWED TANK REMOVE OLD JT 9 PALCE TANK & PISPOSE OF PROPORTY	HATE	AMOUNT
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COMMENTS:

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ä of Notification Form (FP-296, the State Fire Marshal, 1010 02215. Tank Removed From: Previous Contents # 2 fuel Serial # (if available). Date Received_ Tank Dala Tank I.D.



From Assessed Data as a cash out EPA Form 0700 22 (flow, 9.94) (*** new codiligens as a nituation

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COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street MASTATE VSQG HWAWO

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SEMELAL TO SECRITARY



The Communicality of Mangachuneita

Department of Public Safety
Division of Fire Prevention and Regulation

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APPLICATION FOR PERMIT, AND PERMIT, FOR REMO	VAL AND TRAN	SPORTATION TO	APPROVED TANK YARD
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FDIDA 17048 Permit II	69714415	Date	1/10/2011/19/27
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Street Address & City or Towns & D	w/n AUR	Scalinger	mendalis
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Signature of applicant: Michael 4	Large A.		
Applicants name printed: Molone	BASIC	. C	
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For permission to remove and transpo	rtcone unde	rground stor	aga tank from
owner: fox Hill Skoof		1 1176	
Owners POX THYAD CONOC SELECTION		AND INCHAS	
firm transporting waste: Menty Will	1571 Esphi	State Lic	A CARAMIST AND CONTROL
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Approved tank yard: John Clow Park	16 28 W		1000 Sept. 1884
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Tank yard Address : 207 Monsy offeth	SX IVARIAN	140 185 5 6 6 1 1 20 S	The world be and the second
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RECELLY DE DISPOSAL DE UNDERGRECHIO STEEL STORING TANK
NAME AND ADDRESS

OF APPROVED TANK YARD

APPROVED TANK YARD NO.

IMMENSE MISS 0184

APPROVED TANK YARD NO.

TOTAL LEGGES 10.0 CHR 1.03141 Number: 4 7 0 0 3 3 5

TOTAL ALS SHAPE OF A STATE OF STATE FORM F.P. 291 (rev. 11795)

SIX-MONTH (6) REINSPECTION HAZARD ASSESSMENT SUMMARY SHEET

FOX HILL ELEMENTARY

Date: December 1990	inspector:	l'africk O'Brien
Location of Areas:		
1.	Boller Room	- T-01
2.	Boller Room	- T-02
3.	Boiler Room	- T-03
. 4.	Behind walls & ceili	
5.	Electrical Room	- T-05
6.	Boiler Room	- M-01
7.	Outside/Inside Buildi	
8.	Classrooms, Storage	Areas. Offices
	Cafeteria, Hallways	- M-03
9.	Cafeteria Walls	- S-01
1. Did you perform	the last visual inspection	n in this area ?
	_x yes	no
7 1		
 Are you familia which this insp 	ection covers ?	nd prior coadition of ACBM in the area
	x yes	no no
associated with	ashestos exposure, and	pose of this inspection, the health hazards work practices to protect yourself against t use of purifying respirators and the use
	x yes	RO
If you are not it of this form, gentlinge.	amiliar with the location ontpel the Office of	s of ACBM, safe work practices or the use Building and Grounds and do not
4. Is the proper No	ilice to Employees Form	In place?
	x yes	no
 Evaluate the pl following criteri 	ysical condition of At a by checking the ap	CBM in this area. Evaluate each of the propriate statement.
a. Muterial	Condition	x_ No Dataage Moderate (small area)

page 2 of 3 reinspection form

	ъ.	Water Damage	None Minor Muderate/Severe
	c.	Exposed Surfaced Area	_x_ None10% or less Greater than 10%
	d,	Accessibility	X Not Accessible Rarely Accessed Accessible
	c.	Activity/Movement	_x_ None/Low Moderate x_ High
	f,	Air Plenum/Direct Air Stream	Present x_ Not Present
	g,	Friability	Low Moderate High
6.	Has the	he condition of any ACBM within ed since the last inspection?	the area of this inspection deteriorated or
		x ycs	no
	If yes	, describe: Small section on water	tank has been repaired.
	Locati	ion:	Extent and Probable Cause:
Boll	er Roo	in over water discharge, age, wate	r leakage has been repaired.
7.	Is the	re any damaged ACBM present the	nt was reported previously:
	Locati	ion:	Extent and Probable Cause:
8.	Is it	possible or probable that unprotee the conditions described in items 4	ted persons may be exposed to asbestos i - 7 above?
		yes	x no

page 3 of 3 - reinspection form

	Namo:
	Date: Time:
9.	Check the appropriate spaces below (check all that apply):
	No change in conditions
	Conditions have deteriorated
	Personnel may have been exposed to asbestos
	Repair or removable may be required
	Recommend IMMEDIATE investigation
	Minor repairs are necessary-
	Posting missing
Inspe	ctor's Signature: Latrich OBrie Date: 12-31-96
	FOR USE BY ASBESTOS COORDINATOR ONLY:
Rece	ved ABCM Condition Form
	(Date and Time)
ACTI	DN:
	None Required
	In-House Clean-Up.
	(Date and Time)
	Evacuation of Area
	Outside Contractor Clean-Up. Completed (Date and Time)
Conta	icited:
Visite	d Site:
Comp	leted Recommendation:
	n Hausiya Ir

REINSPECTION SUMMARY SHEET - FOX HILL ELEMENTARY

Fill out every six months and insert in Appendix of Management Plan

HO Area		Comments	
S-01	Hard Plaster	Cafeteria Walls	No Change
M-03	12" x 12" Ploor Tiles	Classrooms, Storage Areas, Offices, Halis Cafeteria	No Change
M-02	Transite Siding Panels	Outside/inside Bidg.	No Change
M-01	Boiler Gasket	Inside Boiler doors	No Change
T-05	Smerg, Gener, Unhaust	Bleetrleal Room	No Change
T-04	Elbow fittings insulation	Behind walls &ceilings	N/A
T-03	Doller Breeching Insulation @ pipe	Boiler Room	No Change
T-02	Pipe Plutings	Boiler Room	No Change
T-01	Hot Water Tank	Boller Ruom	No Change
HOMOGENOUS NUMBER	DESCRIPTION OF ACHM	ARBA Inspected	CHANGE IN CONDITION (IP ANY)
HON ACCOUNTAGE	INDECEMBER OF DE	4 1277 4	

Inspectors Name: Patrick O'Brien	
Inspectors Signature: Latrick	OBni-
Date: 12 -31-96	LEA:

SIX-MONTII (6) REINSPECTION HAZARD ASSESSMENT SUMMARY SHEET

FOX HILL ELEMENTARY

Date: June 1, 1996	Inspector: 1	Patrick O'Brien
Location of Areas;		
1.	Boiler Room	- T-01
2.	Boller Room	- T-02
3.	Holler Room	- T-03
4.	Behind walls & ecitin	gs - T-04
5.	lifectrical Room	- T-05
6.	Boiler Room	- M-01
7.	Outside/Inside Buildin	
8.	Classrooms, Storage A	reas, Offices
	Cafeteria, Haliways	~ M-03
9.	Cafeteria Walls	- S-01
• •	the last visual inspection	in this area ?
	X yes	
	ar with the locations as section covers ?	nd prior condition of ACBM in the area
	_X yes	no
associated with	ashestos exposure, and	ose of this inspection, the health hazards work practices to protect yourself against use of purifying respirators and the use
	_X y e s	ηο
If you are not of this form, continue.	familiar with the locations contact the Office of	of ACBM, safe work practices or the use Bullding, and Grounds and do not
4. Is the proper N	olice to Employees Form	in place?
	_X yes	no
 Evaluate the p following criter 	hysical condition of AC in by checking the app	BM in this area. Evaluate each of the propriate statement.
a. Material	Condition	No Damage X_ Moderate (small area) Scycre

page 2 of 3 reinspection form

	b	Water Damage	X None Minor Moderate/Severe
	c,	Exposed Surfaced Area	X. None 10% or less Greater than 10%
	d.	Accessibility	X Not Accessible Rarety Accessed Accessible
	e.	Activity/Movement	_X None/Low Moderate High
	ſ.	Air Plennm/Direct	
		Air Stream	Present X_ Not Present
	g.	Friability	_X_ Low Moderate High
6.	Has t	he condition of any ACBM within ed since the last inspection?	the area of this inspection deteriorated or
		X yes	по
	If yes	, describe: Small section on hot v	vater tank - repairs needed.
	Lucui	ion:	Extent and Probable Cause:
	Boiler	Room over water discharge.	age, water lenkage
7.	Is the	re any damaged ACBM present the	at was reported previously:-NO-
	Local	ion:	Extent and Probable Cause;
8.	ls it duo to	possible or probable that unprotect the conditions described in items 4	eted persons may be exposed to asbestos 4 - 7 above?
		yes	X, no

page 3 of 3 - reinspection form

If yes, verbally notify the Asbestos Coordinator (Building and Grounds Office) of the conditions. Check here if you verbally notified someone of the potentially dangerous conditions and give their name and the date and time of notifications:
Name:
Date: Time:
9. Check the appropriate spaces below (check all that apply):
No change in conditions
Conditions have deteriorated
Personnoi may have been exposed to asbestos
X Repair or removable may be required
Recommend IMMEDIATE investigation
X Minor repairs are necessary
Posting missing Inspector's Signature: Latrick Comment Date: 6-14-96
Posting missing Inspector's Signature: Patrick Closure Date: 6-14-96 FOR USE BY ASBESTOS COORDINATOR ONLY: Received ABCM Condition Form William Houton - 5/1/96 (Date and Time)
ACTION:
None Required
In-House Clean-Up. (Date and Time)
Evacuation of Area
Outside Contractor Clean-Up. Completed (Date and Time)
Contacled:
Visited Site:
Completed Recommendation:
Action Required:
Other:

REINSPECTION SUMMARY SHEET - FOX HILL ELEMENTARY

Fill out every six months and insert in Appendix of Management Plan

IIO Area		Comments	
S-01	Hard Plaster	Cafeteria Walls	No Change
M-03	12" x 12" Floor Tiles	Classrooms, Storage Areas, Offices, Italis Cafeteria	No Change
M-02	Transite Siding Panels	Outside/inside Bldg:	No Change
M-01	Boiler Gaskel	Inside Boiler doors	No Change
T-05	Binerg, Gener, Exhaust	lifectrical Room	No Change
T-04	Elbow fillings insulation	Behind walts &collings	N/A
T-03	Boiler Brevehing Insulation @ pipe	Boiler Room	No Change
T-02	Pipe Fittings	Boiler Room	No Change
T-01	Rot Water Tank	Boiler Room	CHANGE
MIMBIR	АСВМ	INSPECTED	CONDITION (IF ANY)
HOMOGENOUS	DESCRIPTION OF	ARRA	CHANGE IN

Boiler Room

Small section fell off pipe over water dicharge will repair when school shuts down, pipe cold, small smount of material moved to BHS Hazard Room to be removed from site on Jone 17.

•	s Name;						
Inspecto	rs Sign	alure: ,	<u> Latrile</u>	Bue			
Date: _	6-14	4-96		LEA:	Welliam	HLautio	<u></u> ()



TOWN OF BURLINGTON BOARD OF HEALTH

BURLINGTON, MASSACHUSETTS 01803 TOWN HALL 270-1955

Report Received by:

SIX-MONTIL (6) REINSPECTION HAZARD ASSESSMENT SUMMARY SHEET

FOX HILL ELEMENTARY

Date	: December 29,	1995	Inspector:	Patrick	O'Brien
Loca	ntion of Areas:				
	- L.	Boiler Room			- T-01
	2.	Boiler Room			- T-02
	3.	Holler Room			- T-03
	4.	Behind walis &	ceilings		- 1-04
	5.	Electrical Room	•		- T-05
	6.	Boller Room			- M-0!
	7.	Outside/Inside B			- M-02
	8.	Classmons, Stora	ige Areas,	Offices	
		Cafeteria, Hallwa	ys		- M-03
	9,	Cafeteria Walls			- S-01
l. I	Did you perform	the last visual insp	ection in li	is area	?
		X yes			no
2.	Are you family which this ins	iar with the location pection covers ?	ns and pri	or condi	ition of ACBM in the area
		X yes			no
3.	associated with	i asbestos exposure.	and work	practices	nspection, the health hazards is to protect yourself against ying respirators and the use
		_X yes			no
	if you are not of this form, continue.	familiar with the too contact the Offle	ations of A	.CBM, sa kling_a	afe work practices or the use nd. Grounds and do not
,	is the proper i	Notice to Hamployees	Form in pl	ace?	
		_X yes		·	ηα
i.	Evaluate the problem following crite	physical condition o Tin by checking the	f ACBM i approprie	in this to state	area. Evaluate each of the ment,
	a. Material	Condition	_x	No Da Mode Sever	amage rate (smali prea) e

page 2 of 3 reinspection form

	b.	Water Damage	X Minor Moderate/Severe
	c.	Exposed Surfaced Area	_X_ None10% or less Greater than 10%
	d.	Accessibility	_X_ Not Accessible Rarely Accessed Accessible
	e,	Activity/Movement	X None/Low Moderate High
	f.	Air Plenum/Direct Air Stream	Present _X_ Not Present
	g.	Friability	_X_ Low Moderate High
6.		he condition of any ACBM within ed since the last inspection?	the area of this inspection deteriorated or
		X yes	no
	if yes	s, describe;	
	Local	ion:	Extent and Probable Cause;
	Boiler	Room/HW Tank	Water Leak
7.	Is the	re any damaged ACBM present the	at was reported previously:-NO-
	Locat	ion:	Extent and Probable Cause:
8.	Is it due to	possible or probable that unprotect the conditions described in items of	sted persons may be exposed to asbestos 4 - 7 above?
		yes	Х, по

page 3 of 3 - reinspection form

If yes, verbally notify the Asbestos Coordinator (Building and Grounds Office) of the conditions. Check here if you verbally notified someone of the potentiall dangerous conditions and give their name and the date and time of notifications	y
Name:	
Date: Time:	
9. Check the appropriate spaces below (check all that apply):	
No change in conditions	
Conditions have deteriorated	
Personnel may have been exposed to asbestos	
Repair or removable may be required	
Recommend IMMEDIATE investigation	
Minor repairs are necessary-*SEE SUMMARY SHEET*	
Posting missing	
Inspector's Signature: Patrick OBrie Date: 3-4-94	
FOR USE BY ASBESTOS COORDINATOR ONLY:	
Received ABCM Condition Form	
(Date and Time)	
ACTION:	
None Required	
In-House Clean-Up. (Date and Time)	
Byacuation of Area	
Outside Contractor Clean-Up. Completed (Date and Time)	
Contacted:(Date and Time)	
Visited Site;	
Completed Recommendation: ,,	
Action Required:	
Other:	

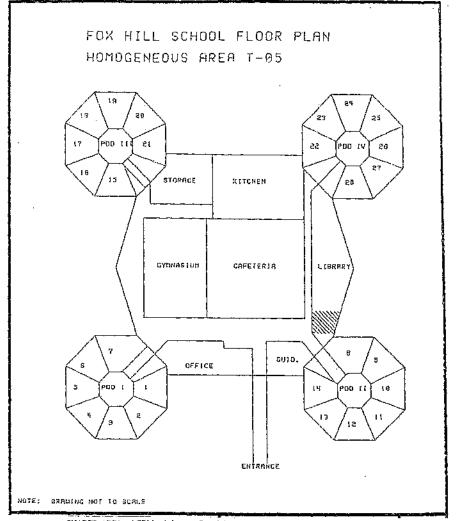
REINSPECTION SUMMARY SHEET - FOX HILL ELEMENTARY

Hill	out	every	six	months	and	insert	in	Appendix	αſ	Management	Plan	

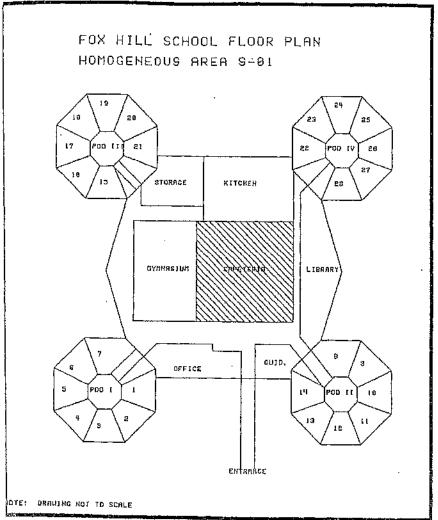
HOMOGENOUS NUMBER	DESCRIPTION OF ACBM	AREA INSPECTED	CHANGE IN CONDITION (IF ANY)
T-01	Hot Water Tank	Boiler Room	*CHANGE*
T-02	Pipe Villings	Beiler Room	No Change
T-03	Roifer Breeching Insulation @ pipe	Boiler Room	No Change
1'-04	Elbow fittings insulation	Behind walls &ceilings	N/A
T-05	lanerg, Gener, Exhaust	Electrical Room	No Change
M-01	Boiler Gasket	Inside Boiler doors	No Change
M-02	Transite Siding Panels	Outside/inside Bldg.	No Change
M-03	12" x 12" Floor Tiles	Classrooms, Storage Areas, Offices, Halls Cafeteria	No Change
\$-01	Hard Plaster	Cofeteria Walls	No Change
IIO Area		Comments	· · · · · · · · · · · · · · · · · · ·

T-01 Water teak caused same of the hot water tank insulation to fall, DECTAM, Audover was called enclosed Ashestos Abatement Document - 8/22/95 8:00A.M. to 4:00 P.M.

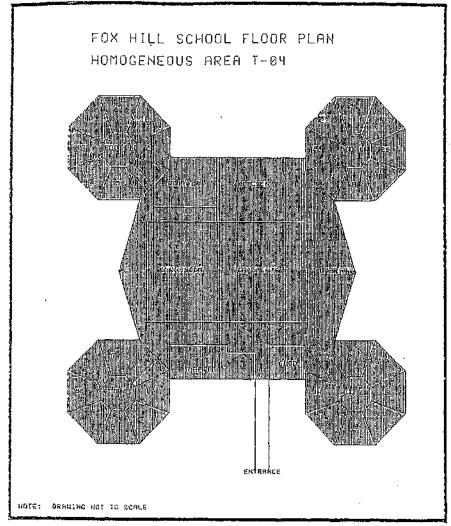
	ors Name:			, ,	
Інѕрес	tors Sign	ature:	Patrick O	Kace	
					William H Kontion !-



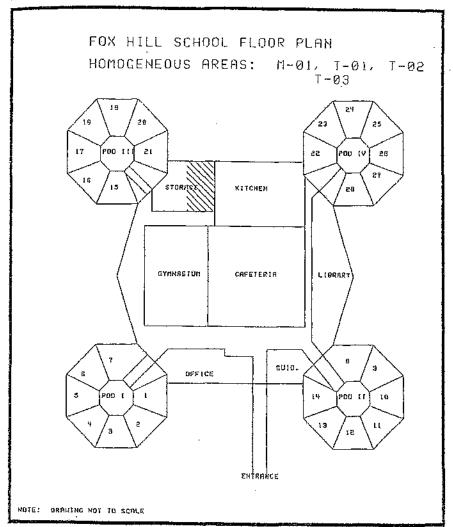
SHADED AREA ACBM- Asbestos Comaining Building Material, includes surfacing ACM, thermal system insulation ACM, or miscellaneous ACM that is found in or on interior structural members or other parts of the building.



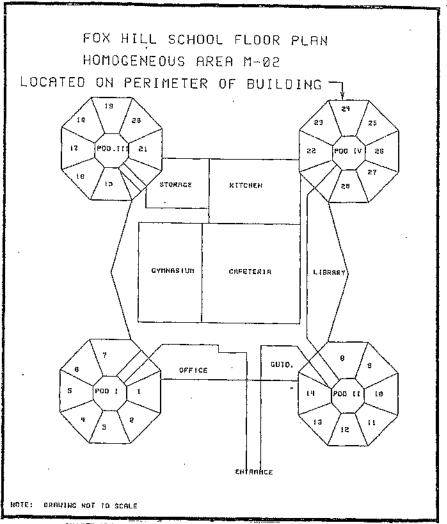
SHADED AREA ACBM. Asbestos Containing Building Material, Includes surfacing ACM, thermal system insulation ACM, of miscellaneous ACM that is found in or on interior structural members or other parts of the building.



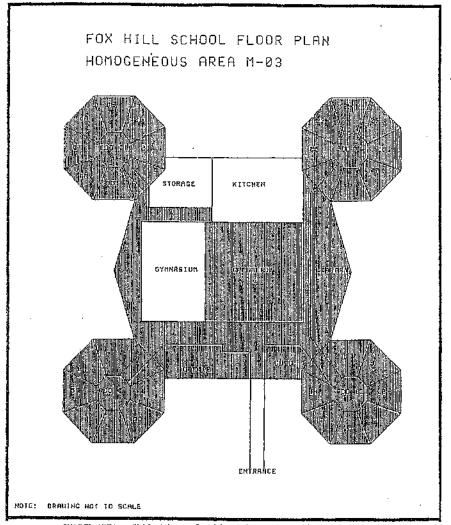
SHADED AREA ACBM- Asbestos Containing Building Material, includes surfacing ACM, thermal system insulation ACM, or miscellaneous ACM that is found in or on interior structural members or other parts of the building.



SHADED AREA ACBM- Asbestos Containing Building Material, includes surfacing ACM, thermal system insulation ACM, or miscelleneous ACM that is found in or on interior structural members or other parts of the building.



SHADED AREA ACBM- Asbestos Containing Building Material, includes surfacing ACM, thermal system insufation ACM, or miscellaneous ACM that is found in or on interior structural members or other parts of the building.



SHADED AREA

ACBM- Asbestos Containing Huilding Materiat, includes surfacing ACM, thermal system insulation ACM, or miscellaneous ACM that is found in or on interior structural members or other parts of the ballding.

SIX-MONTH (6) REINSPECTION MAZARD ASSESSMENT SUMMARY SHEET

Fill out three (3) shouts for each ACBM area

SCHOOL

РОХ I	HILL ELEMENTARY
Date: page 1 of 3 Time	e:lnspéctor:
Location of Aren:	T
1. Did you perform the last visual in	tspection in this area ?
Х усв	
 Are you familiar with the local which this inspection covers? 	tions and prior condition of ACRM in the area
X yes	
associated with ashestos exposure	ne purpose of this inspection, the health hazards, and work practices to project yourself against chilling use of purifying respirators and the use
X yes	Bo
	iocations of ACBM, safe work practices or the use ice_of_Building_and_Grounds_and_ds_not
4. Is the proper Notice to Employed	os Form in place?
X yes	по
 Evaluate the physical condition following criteria by checking 	of ACBM in this area, Evaluate each of the the appropriate statement.
a. Material Condition	X No Damage Moderate (small area) Severe
6. Water Damage	K None Minor Moderate/Severe
c. Exposed Surfaced Area	None 10% or less Oreator than .10%

page 2 of 3 reinspection form

	If yes, verbally notify the Ashestos Co	pordinator (Building and Grounds Office) of ally notified someone of the potentially
	yes	Х во
8.	ts it possible or probable that unproted the lo the conditions described in items	oled persons may be exposed to asbestos 4 - 7 above?
	<u>localion:</u>	Extent_rad_Probable_Cause;
7.	Is there any damaged ACBM present t	itet was reported previously:-NO-
	Logations	Extent_ and Probable Cause;
	If yes, describe:	
	ames tab last (mspectality	Х по
6.	Has the condition of any ACBM within aince the last inspection?	the area of this inspection deteriorated
	g. Priability	X Low Moderate High
	f. Air Plenum/Disect Air Stroam	Present X_ Not Present
	e. · · · Activity/Movement	X None/Low Moderate High
	d. Accessibility	Not Accessible Rarely Accessed Accessible

page 3 of 3 - reinspection form 9. Check the appropriate spaces below (check all that apply): __ No change in conditions Conditions have deteriorated Personnel may have been exposed to asbestes Repair or removable may be required Recommend IMMEDIATE investigation Minor rapairs are necessary Posting missing Inspector's Signature: FOR USE BY ASBESTOS COORDINATOR ONLY: Received ABCM Condition Form Thate and Time) ACTION; ____ None Required In-House Clean-Up. ___ Evacuation of Area Ontside Contractor Clean-Up. Completed (Date and Time) Contacted: Visited Site: Completed Recommendation: Action Required:

Burlington Public Schools.

Fox Hill Elementary School Fox Hill Rd., Burlington, Ma. 01803 (617) 270-1791

Richard J. Benowitz

го: All Staff RB

Re: Compliance with the "Right to Know" law

DATE: October 1995

The elementary principals have met twice with Todd Dresser from the Burlington Board of Health regarding how we can ensure that our schools comply with the "Right to Know" legislation which concerns the use and storage of toxic materials within the school building. The following are guidelines that we have agreed to adhere to:

Cleaning supplies

-All cleaning supplies used by teachers in individual classrooms will be in containers typically bought in stores; no large, industrial-sized cleaners will be allowed in classrooms.

-Cleaning supplies, which are typically toxic if ingested, will only be used by the teacher, or responsible adult in the room, and will be stored out of the reach of the children.

Art & Classroom Supplies

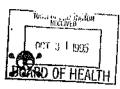
-Teachers will ensure that they are providing children with only non-toxic art and classroom supplies, such as paint, markers, glue, and crayons. -Permanent markers, rubber cement, and any other material not containing the "non-toxic" seal shall be considered "office products" and will only be used by the teacher (or other adult) when the children are not present in the room. This last precaution is because of the fumes from such materials and their effect on small children.

Please make sure that you have inventoried your collection of cleaning and classroom supplies. If you have any materials that the children have been using that do not contain the "non-toxic" seal, please bring them to my attention.

Thank you in advance for your cooperation in this important matter.

POST NEAR DUPLICATING MACHINE





METHANOL (METHYL ALCOHOL CH3OH)

Duplicating Fluid contains methanol (Methyl Alcohol CH₂OH), Methanol constitutes a serious industrial hazard if workers are not adequately supervised and instructed in proper working and handling techniques. You should fully understand the possible dangers of Methanol when handling this product.

INSURE PROPER VENTILATION

Duplicating machines should always be ventilated to avoid the hazards of explosions or toxicty due to the accumulation of vapors. In order to insure a safe work environment, O.S.H.A. has established a threshold limit value of 200 parts per million (ppm) over an 3 hour period. It is essential that this guideline be followed. YOUR EMPLOYER IS REQUIRED TO COMPLY WITH O.S.H.A. REGULATIONS AND PROVIDE PROPER VENTILATION FOR DUPLICATING MACHINES. Please see your supervisor before use of machine if you have concerns about improper ventilation.

HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE:

Methanol (Methyl Alcohol) is a poisonous, nercotic chemical that can affect the body through inhalation, ingestion, and perhaps prolonged or repeated skin contact. Absorption by inhalation or ingestion is rapid and excretion is much slower than for ethyl alcohol, resulting in delayed effects or compounding of effects by repeated exposure. It is important to be aware that after ingestion or inhalation, initial symptoms may be only that of mild intextection but may become sovere after 12 to 18 hours. Toxic effects are exerted upon the contral nervous system, expecially the optic nerve, Ingestion can produce BLINDNESS; 100 - 250 ml (3 - 8 oz.) can be FATAL. Symptoms of overexposure include dizziness, visual impairment, and nausea. Repeated skin contact may cause dermatitis, erythema, scaling, and possibly systemic effects.

SEE BACK FOR EMERGENCY AND FIRST AID PROCEDURES

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION:

Remove victim to fresh air at once. Restore and/or support breathing as required. Keep victim warm and at rest. Get medical attention as soon as possible. Prevent exposure to Methanol for 7 days.

EYE CONTACT:

Wash eyes immediately with running water, lifting the lower and upper lids occasionally. Get medical attention as soon as possible.

SKIN CONTACT:

Remove contaminated clothing. Wash affected area with soap and water; apply skin lotions. If skin irritation persists, get medical attention.

REFER TO MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.

IMPORTANT:

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation, and verification. Buyer assumes all risk of use, storage, and handling of the product in compliance with applicable federal, state, and local laws and regulations. SPECTRUM CORPORATION MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, CONCERNING THE ACCURACY OR COMPLETENESS OF THE INFORMATION AND DATE HEREIN. Spectrum Corporation will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete, or otherwise misleading.

Spectrum Corporation Solvier, TN 38375 (901) 845-1937 . .

esograph ra master	RISO - MAGO	
MATERIAL SAFETY DATA SHEET		
SECTION 1		
Manufacturer's Mase : RJSO INC.		•
Emergency Tolephone Number : 508-777-7817 Telephone Hamber Par Informat	ion : 508-777-7877	•
Address : 500 Rosewood Drive. Suite 216. Danver. KA 91923	_	•
Date Propered : June 7, 1884 Signature of Preparer	10×10×	4
TARDE MANE AND SYNORYMS RISOGRAPH RA MASTER (S-588, S-568LA) CHERICAL MANE AND SYNORYMS Thornal stencil consists of lapa (S-588, S-568LA) Thermal stencil consists of lapa		. (
SECTION D — Ingredients/Identity Information		
Chemical characterization: (Specific Identity;Common Manu(s)) Polyethylena Tercphthmiate(film) Remp(Stencil Paper) Acryl Resin(Adhesiva) Bilicono(Anti-aticking Agent) Unknown	askardone chemical	
SECTION II — Physical / Chemical Characteristics		
Boiling Point: Not applicable Specific Gravity(K:0 - 1):	Not applicable	
Vapor Pressyre(ms Hg): Not applicable Mailing Point: Not applicab	6 (af PET > 200°C)	
Vapor Density(AiR = 1): Evaporation Rate: Not applied (Botyl Acctate = 1)	cablo	
Solubility in Water: Hone pR Value: Not applicable		
Appearance and Odor: Web shaped, Colored slight yellow, Mearly odorless		
Viscocity: Hot applicable		
SECTION IV — Fire and Explosion Hazard Data	•	
Flash Point; Finemable Limits: LRt Not applicable Not applicable	Vel	
Ignition Temperature: Not available		
Extinguishing Wadia: Carbon dioxide, Dry chemical, Fosm, Water	Sanjai As Alif	i nierosa
telefore a man or plant in	UCL 3	
	BOARD OF	HEALTH

syckaph ra master	Page
Special Fire Fighting Procedures: Master will be flammable as paper.	
Nazardous Combustion Products: No Information is available,	
Unusal Fire and Explosion Hazards: None	
SECTION V - Reactivy Data	
Stability Unstable Conditions to Avoid:	
incompatibility(Materials to Avoid): Strong exidizing agents	
Hazardova Decomposition or Byproducta: CO on incomplate combustion	
Hezardoue May Docur Conditions to Avoid: Polymerization Will Hot Occur x	
SECTION VI — Health Kazard Data	
Route(a) of Entry: Inhalation? No Skin? Yes Ing	estion? Hu
Health Hezarde(Acute and Chromic): <u>As sillcone in enti-silching exent</u> Acute crai toxicity on rata: No information is available, blioved to be neveral gyks. Skin ixritation : Ko information is evailable, but prolonged contact may cause dermutitis.	ſ
Carcinogenicity: HTP7 No 1480 Nonographe7 No 0884 F	egulated? No
Signs and Symptone of Exposure: Unknown	<u> </u>
Modical conditions Generally Assertanted by Exposure: Unknown]
Emergency and First Aid Procedures: Wesh with soap and water.	İ
SECTION VI - Precautions for Safe Bandling and Storing	
Steps to Be Taken in Come Material is Released or Spoilted: Mot applicab	16
Waste Bisporal Rethod: Bispore in accordance with State or local law. Small quantities: Controlled burning Large quantities: Contact local industrial raste disposal company for	disposal.
Precautions to So Taken in Handling and Storing: To assure that RISCEMAPH BA MASTER will maintain their quality throughe go not expect to the sun, nor keep them in a place where temperatures a ere exceptionally high.	ut storage life,
Other Precentions: None	1
	<u>i </u>

Petrophony Committee of the Spirit of the Committee of th

K160 - MN909 RISOCRAPH RA KASTER Page 3 SECTION III - Control Measures Respiratory Protection(Specify Type): Not necessary Ventilation Lucal Exhaust: Not normally required. Special: Hote Mochanical(Coneral): Bot normally required. Other: Hoto Protective Gloven: Not normally required. Eye Protection: Not nursally required. Other Projective Clothing or Equipment: Not normally required, Fork/Hygenic Practices: Mone Porsonal Protective Equipment: Not normally required. Poolscar: Not normally required.

Specimen Label



Specialty Termiticide

To be applied by or under the direct supervision of commercial applicators responsible for insect control programs

Active ingredient: chiorpyrlias: O.O-diethyl O-(3,5,6-trichlora-2 pyridinyi) phosphorothicate 42.8% Contains 4 pounds of chlorpyrifus per gallon.

EPA Reg. No. 62719-47 EPA Est. 464-MI-1

*Trademark of DowElanco DowElanco · Indianapolls, IN 46268-1189, U.S.A.

Precautionary Statements

Hazards to Humans and Domestle Animals

Keep Out of Reach of Children

WARNING AVISO:

Precaucion al usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamento.

May Be Fatal II Swallowed • Excessive Absorption Through Skin May Be Fatal - Causes substantial but temporary eye injury . May cause skin irritation.

Do not get in eyes, on skin or clothing. Wear eye protection. Avoid breathing vapors and spray misi. Handle concentrate in a ventilated area. Wear protective clothing and chemically resistant gloves when handling. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before rause. Keep away from food, feedstuffs and water supplies.

ACTION TERMITE

First Aid

If swallowed: Call a physician or Poison Control Center immediately. Do not induce vomiting, Contains an aromatic petroleum solvent. Do not give anything by mouth to an unconscious person. If on skin: immediately wash with plenty of soap and water. Get medical attention.

If in eyes: Flush with plenty of water for 15 minutes. Get medical attention.

If inhaled: Remove to fresh air li symptoms of chelinesterase inhibition appear and net medical attention immediately.

Note to physician: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutle if used early; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidate immediately after establishing an open airway and respiration.

Environmental Hezards

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and equatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate splits. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

Physical or Chemical Hazards Combustible. Do not use or store near heat or open

Notice: Read the entire label before using, Use only according to label directions. Before buying or using this product, read "Warranty Disciglmer" and "Limitation of Remedies" elsewhere on this

In case of an emergency endangering health or the environment involving this product, call collect 517-636-4400.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing,



Directions for Use

It is a violation of Federal law to use this product in a manner inconsisturn with its labeling.

Read all Directions for Use carefully before applying.

Do not tank mix this product with products containing dichloryos (BDVP).

Do not formulate this product into other end-use products.

STORAGE AND DISPOSAL

Do not contaminate water, lood or feed by storage or disposal.

Storage: Stora in original container in secured dry storage area. Prevent cross-contamination with other postiticles and fertilizers. Avoid storing above 122° if or extended princips of tilms. Storage below 40° films y result in formation of crystels. If product crystalizers store a 155° 75° and stake occasionally for edissolve orystals. If container is damaged or spill occure, use product immediately or dispose of product and damaged contiging as indicated to below.

Pestici de Disposal: Postici de vrastes are toxic, improper disposal of excess pasticide, apray mixture, or riosate is a violation of Federal law. It these wastes cannot be disposad of according to lothel instructions, contact your state pesticide or environmental coartical agency, or the frazurdous versite representative at the nearest EPA regional office for culdiance.

Container Disposal for Non-Retillable Containers: Tulple linse (or equivalent) then offer for recycling or reconditioning, or puncture and/or creat missed, empty container and dispose of its a sankary landill, or by other procedures approved by state and local authori-Bes.

Triple rinse (or equivalent). Then dispose of in a sentiary landfill, or by incineration, cr. If atlowed by state and local authorities, by burning. If burned, stay out of smoke.

Contener Disposal for Refillable Containers: Reptace the dry disconnect cap, it applicable, and seet all openings which have been opened duringues. Retent the empty container to a collection site designated by DowElanco. If the container has been damaged and cannot be reterred recording to the recommended procedures, contact DowElanco Gustomer Sancia Cereier at 1-000-259-1470 to obtain proper handling instructions.

Handling Procedures

Wear protective clothing when using or handling this product to help geatily reduce exposure to oyes and skin. As a minimum, any protection and chemically restanted gloves and footwar, a tong-steaved shift and fong-legged paints or coveralls are recommended. To avoid breathing apray mist during application in confidence, wear a mack or respiration of a typo recommended by NICISH for filtering spray mists.

General Information

Subterranean Tormites

Duraban TC Tamiffolde Concentrate for soil freshment is used to establish a barriar which is lethal to termities, in order to provide an effective barriar between the wood in the structure and termite colonies in the soil, disperse the chomical emplision so as to avoid unineated gaps in the barriar.

it is important that the service technician be familiar with current contrel practices including tenchmiq, recting, substable injection and low prospura apray applications. These techniques must be correctly employed to provent or control infestations by subterransan termitie species of Relicultermes, Zoatairmossis, Haterotermes and Coptionmes. Choice of appropriate procedures includes consideration of such validational control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the involved termities appetite and in the control of the involved termities appetite and the colony and solved of the involved abortion of the colony and solved of the involved abortion of the colony and solved of the involved abortion of the colony and solved of the involved in structure for a structure for a structure for a structure for the control of the control of practices for specific local control display, constitutional particles in structural post control.

General Use Precaultons

Contamination of public and private water supplies must be avoided by following these minimum processions:

- Use anti-backing equipment or procedures to prevent sightninge of posticide backinto water supplies.
- 2. Do not freet soil that is water saturated or trozen.
- Consult Federal, state and total specifications for information regarding approved freatment practices in your zees.

Structures that contain wells or cisteres may be treated using the following guidelines:

- Do not treat soil white it is beneath or within the foundation of a structure that contains a well or claiern. The treated backfill method may be used if the coll is removed and treated cutside the joundation.
- 2. If treatment must be made along exterior loandation walks of structures containing wells or cisierns or other difficult situations such as near wells or distant, along flatigues or rubble wells, along faulty foundation wells, enound pipes and offility lines which load downward from the structure to a well, pand, or other body of water, application may be made in the fothering manner.

Excavation/Treated Backfill Technique

- Treach and remove soit to be beeled onto heavy plactic sheeting or similar material or into a whoelbarrow.
- b. Treat the soil at the rate of 4 gafons of diluted analysis per 10 thear feet per foot of depth of the transh of 1 gaffon of dilution per 1.0 cubic feet (See "Falla (bezermainton Guideshres"). An initial treatment using a 1.0% dilution will provide effective, optimum long term restrout control. Mix thoroughly into the soil taking care to contain the diguid and prevent turnoff or spillage.
- After the treated coil has absorbed the diluted emulsion, replace the soil into the treath.
- Infected and/or damaged weed can be frested using an injection technique such as is described in "Central of Yood injecting basets"

All nonessential wood end cellulose containing materials, including acrap wood and four boards, should be removed from around found of your wast, crawl spaces, and proches. This does not include existing abuctural soil contact wood that has been treated.

Rate Determination Guidelines

Consult the local extension agent or state entermologist for application rate recommendations.

An initial treatment using a 1.0% dilution will provide effective, optimum long term residual control.

A 2.0% dilution may be used to protect utility poles and fence posts.

	Dursbart TC Needed						
Gallans of Finished Dibullan Desired	0.5%	1,0%	2,0%				
1	1 1/0 B oz	22/3floz	51/3 floz				
5	8 2/3 Noz	10 1/3 Roz	26 2/3 ft oz				
10	13 1/3 il oz	26 2/3 floz	531/31loz				
24	1 qt	1/2 gal	1 gal				
48	1/2 gai	1 gal	2 gal				
97	1 gal	1sgS	4 gal				

Mixing Directions

It is important that the termificide diffution be uniformly mixed in the spray term before toggining the vestiment. Once mixed, Durabant TC with not settle out in the tank diffuough the initial mixing with be enhanced by egitation, circulation through the treating hose, and the filling pro-

- 1. Fill tank 1/4 to 1/3 full.
- Start pures to begin by pass agitation and place and of treating tool in lank to allow disculation through hose.
- 3. Add appropriate amount of Durchen TO.
- 4. Add remaining amount of water.
- Let pump run and allow reckculption through the hose for 2 to 3 minutes.

Application Volume

To ensure thorough and complete coverage in different sail types, it may become necessary to adjust the volume being applied. In situations such as heavy, day type soils within the Minot accept large amounts of water, reduced volumes can be used which will deliver the opprepriate occorritations of termitoide in the soil. This would also apply to annisitive ereas and/or horizontal applications where less volume may be desirable. Minimum volumes will be specified in the appropriate use directions.

In light lexitured soils such as sand or gravel which accept larger amounts of water, increased volumes which deliver the appropriets concentration of termiddide in the soil may be used. Maximum volumes will be specified in the appropriate user directions.

Preconstruction Subterranean Termite Treatment

Effective processive/controllers with the subterranean termite prevention requires the establishment of vertical and/or horizontal chemical business be establishment of vertical and/or horizontal chemical business between wood in the structure and the termite colopies in the soft. To meat FHA termite proceding requirements, follow the latest edition of the Housing and Urban Development (FUQ) infinitum the reporty Standards, Follow state and local regulations to meat minimum breatment shandards for preventable processive control repairs and

All holes diffied in construction elements for preconstruction troubmonts should be securely plugged to sowing the application.

See "State Determination Guidelines" and "Table 1" for dilution directions.

- For horizontal barriers, applications shall be made using a low pressure spray after grading is completed and prior to the pouring of the slab or looking.
 - a. For a 1.0% rate, apply 1 gallon of division per 10 square feet, or use a 2/3 tield curses of Durselon TiO per 10 square feet in sufficient water (no less time 1/2 gallon or more than 2 gallons) to provide thereby and continuous coverage of the area being treated (Ser *pe)fection Youther).

If the fill is washed grave) or other coarse material, it is important that a sufficient amount of dilution be used to reach the soil substrate benerals the coarse fill.

- b. If concrete slabs cannot be poured over the soil thin aame day it has been traited, a vapor barrier should be placed over the treated soil to prevent disturbance of the termiticate barrier.
- For vertical barriers, apply the 1.0% dduton of a rate of 4 golfons per 10 throse feet per foot of depth. Establish vertical barriers in areas such as around the base of foundations, phombing lines, backfilled soil against boundation waits and other areas which may warrant man burnings a specialistic per soil.

- Redding and/or trenching applications should be made to reach the top of the trotter. Rod holes should be spaced to provide a confineus borrior.
- Tranches need not be wider than 6 inches. Treat sell with the Glution as it is being replaced in the tranch.

For a 1.0% (ate, apply 4 gallons of dikulton per 10 linear feet per toot of depth or 10 20 fluid outness of Dursban TC per 10 linear feet per feet

- c. Hollow block foundations or voids of mason ry can be treated to make a complete chomical barrier especially if the soil was not treated piece to pouring the looking. Apply the ollution at a rate of 2 gallons per 10 linear less so that it reaches the top of the feating.
- d. For crawl spaces, establish a vertical barrier on both cides of the foundation and secured all piers and steas where underground utilities and the soll. Do not apply the daution to the entire surface and intention as the crawl.
- 3. For planum type structures which use a sealed underfloor scace to circulate heated and/or cooled air throughout the anticiare, apply the ofinition of the rate of 4 gallons par 10 finant feet part foot of depth. Soil adjacent to both sides of faundation walls, supporting piers, plumbing and conduits about the treated by tranching or rodding (where soil conditions permit) to a depth of 6 inches or, it less shallow, to this top of the feoting. When conditions will not parmit trendring or rodding, surface application adjacent to interior foundation wasterns, but anotherly, from the boundation waits, piers or pipes. The surface application are set of the production of 18 inches, hadronizely, from the boundation waits, piers or pipes. The surface application should be made at a date of 1 galace par 10 square feet as a very coates spray under few pressure (not to succeed 20 P.S.I. when measured of the treating tool). After soal treatment, a contravous vepor bentier of all telest 6 mil polyetylene film or other suitable vapor barrier of all telest 6 mil polyetylene film or other suitable vapor barrier of all telest 6 mil polyetylene film or other suitable water barrier of all telest 6 mil polyetylene film or other suitable and and on the inside of the pleatum walls, in accordance with the recommended procedos for pleatum bype structures.

Postconstruction Treatments

Seo "Rate Determination Guidefines" and "Table 1" for dilution direc-

Precention: Do not apply distributed in the later or air conditioning ducts, youls, water and sever lines and electrical conduits are known and identified. Extreme caution must be taken to avoid contamination of these structural elements and airways.

All holes drilled in construction ataments of living areas of home for postconstruction treatment should be securely plugged tollowing application.

- For slab-on-ground construction applications may be made using techniques such as sub-slab injection, radding and/or tranching, injectors should not attend beyond the lope of the logilings.
 - Treat along the outside of the foundation to form a continuous termiticide barrier in the soil.

For shallow foundations, 1 feet of less, dig a nation fronch approximately 6 inches wide along the outside of the foundation walls. Do not dig believ the bettern of the loolings. For foundation with exposed loolings, dig a treach adorquide the looling taking cave not to undernine his feeting. The office of the free his feeting cave not be undernine his feeting. The office of the trench and mixed with the soil as it is replaced in the trench.

3

For a 1.0% rate, apply 4 gallens of clayson per 10 linear feet or use 10 2/3 full devices of Dumban 10 per 10 linear feet in ufficient water fine linear feet in sufficient water fine has feet linearly to provide thereting in a compression or more than 8 gallensys to provide thereting that despression of the area being treated (56 % Application Volume).

For foundations with foolings desper than 1 fool, apply the dilution at a rate of 4 gallons per 10 linear feet per foot of copts.

b. When Iterating cracks and expansion joints in the stab, along sidewelve, or pallos adjacent to the exterior foundation was or other strong where holes are to be drilled to family a continuous termittade barrier, the holes should be spaced at intervats up to 24 inches depending on soil type.

Hard, dry soils typically allow good lateral (horizontal) dispersion. However, they may be slow in absorption or downward movement. Care must be taken when injecting through stabs into areas with this type of soil. Low pressures should be considered in this silvation. This will help to avoid backsplashing from the injection hole, backflow from cracks and expansio ioinis, and unwanted emergence of the terminine dilution from adjacent drill hotes. A slow, low pressure appacation using the croade at liaz ard wolfe line negutib objectioner to emuly vagora the liquid and provide on adequate vertical barrier. The wider drill hale spacings (18 to 24 inches) can usually be used in this aituation, Send, loam, or gravel backfill materials are commonly found under slab foundations. The type of fill, amount of satting that has occurred, mulature content, etc., will determine drill hate specing and amount of termiticide dilution to be injected through each hale. Highly absorptive soits or those with temp pore spaces (grave), coarse sand) will effect rapid downward nocudintain (latnoshori) larahal betimil bris inomevorn (inortrov) of the termitiside dilution. In this situation, consider using a lateral dispersion tip on the sub-stab injector and place the drill holes closer together (12 to 18 inches).

For a 1.0% rate, apply 4 gazons of dilution per 16 fineer feet.

- c. It may be necessary to treat along one side of Interior partition walls it there are cracke in the sinth, plumbing only points, existing termite infestations, or other conditions which would make treatment appropriate.
- d. To complete the termilicide barrier under stab foundations, it may be necessary to drill and trast near plumbling and electrical entry treas, cracks, or other areas where termiles might enter the stitucture. In this interaction, one or more holes should be distilled in the stab as close to the entry point as is practical and termiteide placed in the fils. As a general mile, 3 to 5 gatens of official or entry point will youngly give sequate converge, however, the use of directional or lateral dispersion lips or foantieflow, by states can give a dequate converge, when you have a dequate converge, however, the use of directional or lateral dispersion lips or foantieflows, yet use of directional or lateral dispersion lips or foantieflows, pressure or the point in the point properties and the point in the point of the point
- a. When necessary, drill through the toundation walls from the outside and force the distribution just beneath the sisb officer along the inside of the foundation or along all the cracks and expansion joints and other critical areas.
- J. Bath traps: Exposed soil or soil covered with far or a similar type sociant beneath and around glumbing end/or drain pipe ontry areas may be treated with a 1.0% d/attion of Dursban TC.

An access door or imprecion you should be cut and installed, if not alkeady present. After inspection and rentowal of any weed or cabinase debits, the suit can be treated by rodding or denoting the soil. A one equate feet bett trap will be any require about 2 to 5 gaZons of disulsen for thereugh und complete coversee.

- 2. Hollow block foundations or valids in masonry resting on the looking can be frequed to make a confinence thermical barrier in the volds. If the void has direct consider with the soil, it should be breated. Apply at the rate of 2 gallons of districting par 10 times feet to rach the top of the fooling or soil. It is not necessary to test the entire vertical surface of the void, rather, apply district in the lower part of the void so that if reaches the top of the fooling or soil.
- 3. For basements, apply at a rate of 4 gallons of dilution per 10 linear last per foot of depth. Where fordings are greater than 1 load depth from the grace to the top of the douling, application may be made by tenching profur rodding at a rate of 4 pallons of dilution per 10 linear feet per foot of depth. Treat usated of foundation walls, and it necessary beneath the basement floor, along inside of foundation walls, arong cracks in basement Boors, along interior lead bearing walls, around sever pipes, conduits and plans.
- in errord spaces for a 1,0% rate, apply 4 gallons of dilujion por 10 finaur feet per foot of depth. Treat both sides of foundation and around all places and place.
 - Addding and/or tranching applications should be made to reach the top of the footing. Rod holes should be speced to provide a continuous chamical barrier.
 - Tranches need not be wider than 8 inches not below the top of the focusing. The amulsion should be ruleed with the soil set its replaced in the trench.

For a 1.9% rate, apply 4 gallons of disulting per 10 finear foot per loot of depth of 10 2/3 fluid ounces of Dursban TC per 10 large feet per foot of depth from glade to type of footing in sufficient water (not less than 2 gallons or more than 8 gellons) to ensure complete occurrence.

- For inaccessible underliser spaces, best soil by an ellernate method such as delling and rodding through foundation waits from the outside.
- d. When conditions will not permit trenching, i.e. knedequate soil to wood disarrance, rocky soil, atc., a surface application may be made selected to interfer forundation was be, priore, and pipes but the treated spip shall not exceed 18 inches in width: The surface application should be made in a manner that evoids runoth. Use a very course spirey at a pressure not exceeding 20 P.S.1, when measured at the breaking prior. Streamsons should be vanishated during application and until the treatments stry.

For a 1,0% rate, apply 4 gallons of dibulon per 10 Enear feet or 10 2/3 fluid conces of Dursban TC per 10 fines feet in sufficient water (not less than 2 gallons or more than 8 gallons) to ensure complete coverage (See "Application Volume").

In the presence of unsupported farmits takes, mechanically destroy each tube and apply approximately 1 pint of 1.0% distinct on a rate of no more than 15 inches in distinctor where the tubes emerged from the soil.

- 5. In plenum type structures, which use a sealed undersoor space to circulate heated and/or cooled air within the structure, apply the --- lo lock-section at the rate of 4 gallons per 10 linear/act section of --depth. Soil adjacent to both sixtes of foundation waits, supporting piers, plumbing and condults should be treated by trenching or radding (where soll conditions parmit) to a depth of 8 inches or to the top of the feeting. When conditions will not permit trenching or rodding, a surface application adjacent to interior technical or wells may be made, but the treated step shall not exceed a width of 18 inches, horizontally, from the foundation place or pines. The surface applica Son should be made at a rate of 1 gallon per 10 square feet as a very coarso spray under low pressure (not to exceed 20 P.S.I. whon mea-sured at the treating tool). In order to properly calculate the amount of terminicide distribution needed, use the following goldeline: A ship 18 inches wide and 6 leet 6 inches long is equal to 10 square feet. Before treatment, a borrier of at least 6 mil polyethylene film or other suitable vapor barrier must be present on this ground surface over the entire subfloor area in accordance with recommended practices for planum type attuatures. Install a new voper barrier if barrier is absent or detailorated. The voper barrier film on the ground and foundation walls must be folded back from the areas to be treated prior to treatment and replaced immediately following treatment. Structures should be ventilated during application and until treatment is dov.
- 6. Application using form generaling equipment: in situations where conventional application methods have not or are not likely, to provide adoptate overage, form generating equipment or sinkler machines can be used to provide a continuous barrier. Treatment of filled provides, chilmney bases, soil under state, and treatment of wall voids are examples where form applications may be seeded.

Form Treatment Recommendationer Refer to label of forming adjuvant for proper amount of material to add per gallon of Dursban TO utulion.



The following provides the amount of Duraban TC required for a given area and volume range of the preformed termiticide distition necessary for application of the product.

For a 1% rate, apply 10 2/3 fluid ounces of Durchan TC per 10 finear leet using no less than 2 gellons, or more than 3 gellons, of prefoomed dijudon.

Underground Utility Cable and Conduit

Preventative Treatment for Uso Only in Guerr, Hawell, and Other Paulis Islander: Uso a 1.0% to 2.0% ditution (See 'Pate Determination Guidelines' and 'Table 1' for dilution discretions). After disgling the trench, place approximately 6 inches of backBld or and at the bottom and apply 2 glister of the dilution per 10 lines feet. Allow to dry then replace the cable backfit, Cover with an additional 6 inches of backfill or and and apply and and play appliant 2 gallons of smulsion per 10 lines feet. Firles filling terech with unbroated 91.

Whenever cobies emerge from the soil to enter poles, light frames, etc., lead the soil around the cobie and pole or frame to establish a continuous 0 inch obtained barrier.

A continuous 6 inch chemical barrier must be established around the cable to insure protection from termits attack.

Utility Poles and Fence Posts



Préventative Treatment: Ues à 1,0 p. 2,0% siluien (See "Hate Doterminaten Guidelines" and Table 1" for dilujen ducctions). After pole or post hois has been dug, mix the dilution with the sell es it is being replaced to a depth of approximately (0 Inches, Pluce pole or post and by of the fayer. The armshing sold if and termilitied elibipion

should be mixed while backliding the hate. The treated soil xons around the post or pole should be approximately 6 inches wide. Self for the base layer and bucklill of each pole or post should be treated at a rate of 4 gaillons of dillibiar por 16 cubic fool of soil.

Remedial Treatment: To control origing intodations or to proved infestation of posts and poles a largely in place, use a 1.0% to 2.0% diution. The termiticide diction should be nigeted into termine gaterias or channels in the wood. For maximum protection, injection sites ehould be at or below gade.

Posts or poles may also be treated by radding down to the base of the structure. Rod holes should be placed approximately 3 inches away from the pote and about 6 inches apart. Inject approximately 12 fluid auries of diffu

If may be appropriate to use one or both treatment techniques depending upon the specific circumstances at the week site e.g., soil type,

Retreatment Statement

Rotreatment of subterrences termitics may be made any time there is avidence of reinfestation, disruption or loss of the barder due to conteruction, exceeding, fardecaping, sec. Retreatments may be made to valuesable or terminated areas in accordance with application tecturious described on this factor.

Trestments may be made as either a spot or complete treatment. The liming of these retreatments will vary, depending on factors such as termits pressure, self contitions, etc., which may reduce the effectiveness of the barder.

Annual retreatments are prohibited unless reinfestation or barrier dis-

Control of Wood Infesting Insects

Dosage and Mixing Directions

Oursbart TC is recommanded for use as an aqueous emulsion containing 0.5% to 1.0% chlorpyriles. See "Table 1" for dilution directions.

Advisements

When spraying overhead interior living stead of homes, apertment buildings, plus, cover ouristes below the area being sprayed with plastic sheeting or other material.

Contact with treated enrieses should be avoided until apray has dried. Coiver or remove expected foot Selfors treatment. Do not use in structures housing enrimals which are intended for or which produce products to be used for food purposes. Do not use for above ground control of wood infristing insects in lood areas of food hearling a establishment, restaurants or other areas where feed is commercially prepared or processed.

To control veced infesting tracets such as powderpost beetles (Lyctidea), Take powderpost beetles (Postituitida), deathwatch beetles (Anotifice), tol house begres (Conombycide) and enthrost a beetles (Scophidae) in homes and other structures, treatments may be applied either as coarse aprays or by brushing the product anto targeted surfaces. Use a sufficient amount of tipusy to cover the area to the proint of webess but avoicing proof. Use the following globalinus; to determine perporphist raises of application;

New Wood, (typically less than 10 years of age) apply approximately (gallon of dillation per 150 square feet as a coarsa spray.

Old Wood, (typically greater than 10 years of ago) apply approximately 1 gallon of dilution par 100 square feet as a coarse spray.

Treatment Directions

For control of expenter antis in homes and other structures, apply distion around doers and windows and other places where corpenter antenter the promises and wineo tiesy crawl and high. Also pray into cracks and crevious or fluough openings or amali newly finited holes into wall voids where these entirs or their nexts are present. Use a sufficient amount of course spray to cover the area to the point of wetness but avoiding and.

For control of termines (iccalized areas of linested wood in spructures), apply dilibrion to voids and channels in damaged wood and in spaces between members of a structure and between wood and foundations where termine intestation is likely to occur. Application may be made to inaccessible areas by diffing, and then rijecting the omulation. Use a sufficient amount of spray to cover the area to the point of wetness but avoiding runoff. Treatment of fereitized creas is interedated at bill workers and winged reproduces forms of termiles in the treated areas and to prevent infestations for a temporary person. This type of application is not intended to be a substitute for soil treatment or mechanical alteration to control subspirance permittes.

Pest Control on Outside Surfaces and Around Buildings

To control ents, bees, corporter ents, clover mites, cockrosches, crickels, earwigs, horsets, millipedes, scorpions, apiders, ticks, wasps and yellowisckets.

Dutsido surfaces: Apply Dureban TC, Jermidicido as a residual spray to cursida surfaces of buildings including porches, window frames, estves, palios, garages, reliese dumps and other arous where posts congregato or have been observed. Treatment may be repeated as needed to maintain discligences.

Perimeter spreys: To help prevent intestation of buildings, treat a band of soil and vegetation 6 to 10 feet wide around and adjacent to the building. Also, heal his building foundation to a height of 2 to 3 feet where pests are active and may find ontrance. For soorpions, beat or remove accumulations of lumber, firewood, and other materials which some as insent his becape sites.

Dosege and Mixing instructions: Use Dursban TC mixed as a 0.25% to 0.5% dilution as indicated in the following lable:

Gallons of Finished	Dursban TC Required					
Dilution Desired	0,25% Solution	0.5% Solution				
1	2/3 f/oz	1 1/3 1/02				
5	3 1/2 flox	6 2/3 /l oz 13 1/3 /l oz				
19	8 2/3 B oz					
24	I6 fl oz	1 qt				
48 Ì	fqt	2 04				
97	2 qt	1 gal				

Small amounts of solution mixed at 0.5% to 1.0% termiticide rates remaining in the spray tank card to district as indicated in the following table and used to treat outside surfaces or perimpter areas:

	Amount of Weter to Add to Each Gallon of Termille de Dilution to Provide a 0.25% Spray	Amount of Water to Add to Each Galton of Termiticide Dikulan to Provide n 0.5% Spray
0.5%	i gallon	none
0.75%	2 gallons	0,5 gailon
1.0%	3 gallons	1 gallon

Warranty Disclaimer

DowElanco warrents that this product conforms to the charged description on the stable and a reasonably RI for the purposes stated on the label when used in sinit accordance with the directions, subject to the interent risks set forth below. DOWELANCO MAKES NO OTHER EXPRESS OR MPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

Ris impossible to oliminate all risks a sangisted with use of this product. Plantidipyr, lack of performance, or other uninfonded consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the fabel, such as undversible temperatures, soil conditions, etc.), shorterals considers (such as excessive rainfall, dirought, to inations, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dowblanco or the setter. All such risks shall be assumed by Ruyer.

Limitation of Remedies

- The exclusive remedy for losses or damages resulting from this product find uping claims based on contract, riegilgance, suited liability, or other legal treation, satisfaction, one of the fallowing.
- (1) Refund of perchase price paid by buyer or user for product bought,
- (2) Replacement of amount of product used.

Dowiclance shall not be fiable for losses or damages resulting from handling or use of fills product unloss Dowillance is promptly notified of such loss or damage in writing, in no case shall Dowillance be liable for consequential or incidental damages or losses.

The terras of the Warranty Discisimes above and the Limitation of Boutedies cannot be varied by any witten or verbal statements or agreements. We employee or agree apent of Dowtlinece or the seller is authorited to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Romedies for any manner.

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LABEL CODE (13-52-003 EPA APPROVAL 04/10/92, 08/15/92, 08/29/92 REPLACES 113-10-017, 123-10-031, 123-10-035 Revisions include:

- Previously approved supplemental tabeling antitled "Postconstrucline Application Using Foam Generating Equipment" was added to
- 2) Proviously approved supplemental labeling onfilled "Peal Control on Outside Surfaces and Around Bulldings" was added to main label.

DOW CREMICAL U.S.A.* MIDLAND, MI 48674 EMERGENCY PHONE: 517-636-1460



PRODUCT CODE 12042
EMPIRE 20
MUCROENCAPSULATED INSECTION
EFFECTIVE DAYE: 09/14/89
DAYE PRINTED; 09/0299 M302002481

1. INGREDIENTS: (% w/w, unless otherwise noted)

C,O. Diethyl
O-(3,5,6-Irlothioro-2-pyridinyl) phosphorothioate,
(chlorpyrifos) CAS# 002921-88-2
20%
Proprietary petroleum solvent,
Water and other proprietary ingredients
70%

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1810.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed, Where proprietary ingredient shows, the identity may be made available as provided in this standard.

2. PHYSICAL DATA:

BOILING POINT: 212°F, 100°C† VAP, PRESS: 17.5 mmHg @ 20°C† VAP, DENSITY: <1† †Bata for water SOL, IN WATER: Disperses in water SP. GRAVITY: 1.03 APPEARANCE: White suspension ODOR: Slight solvent odor

3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: None METHOD USED: TCC FLAMMABLE LIMITS LFL; None UFL; None EXTINGUISHING MEDIA: Water log, loam, CO₂, dry chemical.

FIRE & EXPLOSION HAZARDS; Does not burn. FIRE-FIGHTING EQUIPMENT: Wear positive pressure, self-contained breathing apparetus.

4. REACTIVITY DATA:

STABILITY: (CONDITIONS TO AVOID) Avoid heating above 50°C for extended periods – loss of active ingredient may result.

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) Base, Consult manufacturer for specific cases.

HAZARDOUS DECOMPOSITION PRODUCTS; Hydrogen chloride, ethyl sullide, diethyl sullides, rillrogen oxides. HAZARDOUS POLYMERIZATION: Will not occur.

5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Sweep up into plastic bage using sweeping compound.

DISPOSAL METHOD: Do not contaminate food, feed, or water by storage or cleaning of equipment. Open burning is prohibited.

Pesticide, spray mixture, or rinse water that cannot be used

according to label instructions must be disposed of according to applicable lederal, state or local procedures. If burial its permitted, they in isolated, non-cop location away from demestic or ground water supplies. Keep our of domestic or natural water sources, since product may be lowful to audit of life.

6. HEALTH HAZARD DATA;

EYE: Essentially noninitating to eyes.

SKIN CONTACT: Prolonged contact is essentially nonirritating to skirt.

SKIN ABSORPTION: A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful arisounts. The LD_{eq} for skin absorption in rabbits is > 10,000 mg/kg.

INGESTION: Single dose and taxicity is extremely low, The oral LD₅₉ for rats is >25,000 mg/kg. No hexards anticipated from ingestion incidental to industrial exposure.

INHALATION: Vapors are unlikely due to physical properties.



6

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^{&#}x27;Indicates a Trademark of the Dow Changest Company

The Information Herein is Given in Good Faith, But No Warranty, Express Or Implied, is Made: Consult The Dow Chemical Company for Fullber Motorandon.

DOW CHEMICAL, U.S.A.* MIDLAND, MI 48674 EMERGENCY PHONE: 5*7-636-4402



PRODUCT CODE 12042
EMPIRE® 20
MICROENCAPSULATED NESCRICIDE
EFFECTIVE DAYE 08/14/89
DATE PRINTED: 08/02/89 MSD: 002/481

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: Chtorpyrifos is a cholinesterase inhibitor. Chtorpyrifos produced mildi adrenal effects when fed to rats, but only at doses that greatly exceeded any exposures that would be received during use of this product. Excessive exposure to solvent may cause respirationy writation and ceruist nervous system effects; however, excessive exposure to chappyrifos or to solvent is untikely due to physical state (presequated).

CANCER INFORMATION: Chlomyrifos did not cause cancer in long-term animal studies.

TERATOLOGY (BIRTH DEFECTS): Chlorpyillos did not cause birth defects in animals; other effects were seen in the latus only at doses which caused toxic effects to the mother.

REPRODUCTIVE EFFECTS: In animal studies, chlorpyriles has been shown not to interfer with reproduction,

MUTAGENICITY (EFFECTS ON GENETIC MATERIAL): Based on a majority of negative data and some equivocal or marginally-positive results, chiorpyrifos is considered to have minimal mutagenic potential.

7. FIRST AID:

EYES: Irrigate immediately with water for al least 5 minutes. SKIN: Wash off in flowing water or shower.

INGESTION: Induce vemiting if large amounts are ingested, Consult medical personnel.

INHALATION: Remove to fresh air if effects occur. Consult a physician.

NOTE TO PHYSICIAN: Alropine by Intravenous administration is the proferable antidote, Oximes may or may not be therapsulic but it is recommended they not be used in place of stropins. Suggest serum and/or RBC cholinesterase determination. Supportive care. Treatment based on judgment of the physician in response to reactions of the nation!

8. HANDLING PRECAUTIONS:

EXPOSURE GUIDELINE(\$); Chtorpyrifes; ACGIH TLV and OSHA PEL are 0.2 mg/m³, sidn.

VENTILATION: Control airborne concentrations below the exposure guideline. Good general ventilation should be sufficient for most conditions.

RESPIRATORY PROTECTION; Atmospheric levels should be meintained below the exposure guideline. When respiratory

protection is required for certain operations, use an approved air-puritying respirator.

SKIN PROTECTION: For brief contact, no precautions other than clean, body-covering ciothing should be needed. Use impervious gloves when protonged or frequently repeated contact could occur.

EYE PROTECTION: Use safety glasses.

9. ADDITIONAL INFORMATION:

REGULATORY REQUIREMENTS:

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA 'Hazard Categories' promutgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

A delayed health hazard

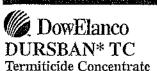
MSDS STATUS: Revised sections 6, 7 and 8.

'An Operating Unit Of The Dow Chemical Company

Fr - No internal agency with a party

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The Information Herein is Given to Good Feth, But No Warranty, Express Or highad, is Made: Consult The Dow Chemical Company For Further Information. Material Safety Data Sheet





Emergency Phone: 517-636-4400 General Phone: 1-800-352-6776

EPA Reg. Number: 62719-47 Effective Date: August 12, 1994 Product Code: 26058 MSDS Number: 001449 DowElanco - Indianapolis, 1N 46268

evidence for skin sensitizing properties. Furthermore, the product did not sensitize human subjects when tested at an end-use ditation.

SKIN ABSORPTION: A single prolonged exposure may result in the material being absorbed in harmful amounts. The LD50 for skin absorption in rabbits is 1265 mg/kg (males) and 930 mg/kg (females).

INGESTION: Single dose oral toxicity is moderate. The oral LD50 for male rats is 226 mg/kg. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; however, swallowing amounts larger than that may cause serious injury, even death. It aspirated (fleutd enters the lung), may cause lung damage or even death due to chemical pneumonia.

INHALATION: The LC50 for female rats is between 2.6-3.6 mg/l for 4 hours, Excessive exposure may produce organophosphate typs chollnesterase inhibition. Excessive exposure to solvent may cause respiratory tract Irritation and central nervous system depression. Signs and symptoms of central nervous system depression, in order of increasing exposure, are headache, dizziness, drowsiness, and incoordination.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: Excessive exposure may produce organophosphatetype cholinesterase inhibition. Signs and symptoms of excessive exposure to active incredient may be headache, dizziness, incoordination, muscle twitching. fremors, nausea, abdominal cramps, diarrhea, sweating, pinpoint pupils, blurred vision, salivation, tearing, lightness in chest, excessive urination, convulsions, Active ingredient produced mild adrenal effects when fed to rats, but only at doses that greatly exceeded any exposures that would be received during use of this product. Solvent has been reported to cause liver, kidney, and blood effects at high exposure levels. Xylene, a minor component of this mixture, is reported to have caused hearing loss in laboratory animals upon inhalaflor of high concentrations; such effects have not been reported in humans.

CANCER INFORMATION: Active ingredient did not cause cancer in long-term animal studies. Xylene was not found to be carcinogenic in a National Toxicology Program bioassay in rats and mice.

TERATOLOGY (BIRTH DEFECTS): Active ingredient did not cause birth defects in laboratory animals. Solvent was toxle to the fetus in laboratory animal leasts, but only at doses that were toxle to the methers. Very high concentrations of solvent (producing severe toxlet) to adult animals) induced an increase in cleft

palate in mice, which is a common developmental abnormality in mice and is associated with stress to the maternal admals. No maternations were induced at exposures less than those causing severe loxicity to the adiat animals.

REPRODUCTIVE EFFECTS: Chlorpy/flos did not interfere with fertility in reproduction studies in laboratory animals. Some evidence of toxicity to the offspring occurred, but only at a dose high enough to produce significant toxicity to the parent animals. In a 3-generation reproduction study on the solvent, the only affects observed were at exposures that produced severe toxicity to the parent animals.

MUTAGENICITY (EFFECTS ON GENETIC MATERI-AL): Results of in vitro (flest juber) and animal mutapenicity lests on the aromatic solvent have been negative. Based on a majority of negative data and some equivocal or marginally positive results, active ingredient is considered to have minimal mutagenic potential.

7. FIRST AID:

EYES: Flush eyes with plenty of water for 15 minutes. Get medical attention.

SKIN: Immediately wash skin with plenty of soap and water. Get medical attention. Before washing, remove contaminated dothing and shoes. Wash clothing before reuse, Destroy contaminated shoes.

INGESTION: Call a physician or polson control center immediately. Do not induce vomiting, Contains an aromatic petroleum solvent. Do not give anything by mouth to an unconscious person.

INHALATION: Remove to Iresh air if symptoms of cholinesterase inhibition appear and get medical attention immediately.

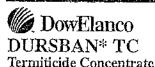
NOTE TO PHYSICIAN: The decision of whether to induce vortiling or not should be made by an attending physician. If lavage is performed, endotracheal and/or esophageat control is suggested. Danger from lung aspiration must be welghed against toxicity when considering emptying the stomach.

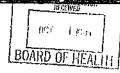
Chlorpyrilos is a cholinesterase Inhibitor. Treat symptomatically, if exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atroping, only by injection, is the preterable antidote. Oximes, such as 2-PAM/protepam, may be therapeutic if used early; however, use only in confunction with atropine, in case of severe acute polsoning, use antidote immediately after establishing an open airway and respiration.

Supportive care. Treatment based on judgment of the physician to response to reactions of the patient.

2

Material Safety Data Sheet





Emergency Phone: 517-636-4400 General Phone: 1-860-352-6775

EPA Reg. Number: 62719-47 Effective Date: August 12, 1994 Product Code: 28058 MSDS Number; 001449 DowElanca · Indianapolls, IN 46258

LINGREDIENTS: (% w/w; unless otherwise noted)

O.O-Diethyl O-(3,5,6-Irichloro-2-pyridinyl) phosphorothinate, (chlorpyrlios) CAS# 002921-88-242,8%

..57.2%

Inert Ingredients: Proprietary emulsiliers Xylone rango aromatic solvent CAS# 064742-95-2 Cumena ... CAS# 000098-82-8

Xylene ... CAS# 001330-20-7 Ethyltoluene ... CAS# 025550-14-5 1,2,4-Trimethylbenzene

CAS# 000095-63-6

Components of xylone range eromatic solvent

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard

2. PHYSICAL DATA:

BOILING POINT: 290°F, 143°C VAP. PRESS: <10 mmHg @ 25°C VAP, DENSITY: Not determined SOL. IN WATER: Emulsifiable SP. GRAVITY: Approx. 1,12 @ 20C/20°C APPEARANCE: Yellow liquid. QDQR: Solvent-Ivog odor.

S.FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: 122°F, 50°C METHOD USED: TOO FLAMMABLE LIMITS: LFI: 1%

UFL: 6% (xylene range aromatic solvent)

EXTINGUISHING MEDIA: Foam, carbon dioxide, and dry chemical.

FIRE & EXPLOSION HAZARDS: Foam fire extinguishing system is preferred because uncontrolled water can spread possible contembation. Toxic initating gases may be formed under fire conditions. Rapid decomposition above 320-392°F (160-200°C). Violent rupture of containers due to over-pressurization may occur at temperatures generated during a fire. FIRE-FIGHTING EQUIPMENT; Use positive-pressure. self-contained breathing apparatus and full protective

4. REACTIVITY DATA:

equipment.

STABILITY: (CONDITIONS TO AVOID) Avoid heating above 50°C (122°F), Chlorpyrilos undergoes exothermic decomposition at approximately 130°C (266°F) which can lead to higher temperatures and violent decomposition if generated heat is not removed. Contains petroleum derivative solvent - will burn. INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Under fire conditions, hydrogen-chloride, ethyl suffide, diethyl sulfide and nitrogen oxides can be formed. HAZARDOUS POLYMERIZATION: Will not occur.

S.ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Absorb spills with an absorbent material such as HAZORB, ZOR-BALL, or dirt. Thoroughly wash body areas which come into contact with this product, Contain spill to keep out of sewers. For large spills, consult manufacturer.

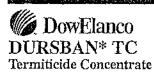
DISPOSAL METHOD: Do not contaminate food, feed, or water by storage or disposal. Posticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law, if those wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

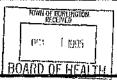
G. HEALTH HAZARD DATAS

EYE: May cause moderate eye initation. May cause slight comeal injury. Effects may be slow to heal. Vapors may irritate eyes.

SKIN CONTACT: Short single exposure not likely to cause significant skin initiation. Prolonged or repeated exposure may cause skin inflation. A test in guinea plus indicated that this product may have weak skin sensitization potential. However, experience in the manufacture and use of this product has not provided

Material Safety Data Sheet





Emergency Phone: 517-636-4400 General Phone: 1-800-352-8776

EPA Reg. Number: 62719-47 Effective Date: August 12, 1994 Product Code: 26056 MSDS Number: 001449 DowElanco · Indianapolis, IN 46268

8: HANDLING PRECAUTIONS:

EXPOSURE GUIDELINE:

Chlorpyrifos: ACGIH TLV and OSHA PEL are 0.2 mo/m3. Skin.

Trimethylbenzene (mesilylene): ACGIH TLV and OSHA PEL are 25 ppm

Arcmatic 100 (xylene range aromatic solvent); none established. Supplior recommends a guideline of 50 ppm for the total product which is a mixture of petrole-

Currene¹: ACGIH TLV and OSHA PEL are 50 ppm.

Xviene1: ACGIH TLV and OSHA PEL are 100ppm

TWA, 150ppm STEL. Ethyltotuene : Dow Industrial Hygiene Guide is 10

VENTILATION: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

RESPIRATORY PROTECTION: Almospheric levels should be maintained below the exposure guideling. When respiratory protection is required for certain operations, use an approved air-purifying respirator.

SKIN PROTECTION: Use protective clothing impurvious to this material. Selection of specific items such as gloves, boots, apron, or full-body suit will depend on operation. Remove contaminated ciothing immediately, wash skin area with soap and water, and launder ciothing before reuse.

EYE PROTECTION: Use chemical goggles. If vapor exposure causes eye discomfort, use a full-face respirator.

9. ADDITIONAL INFORMATION:

SPECIAL PRECAUTIONS TO BE TAKEN IN HAN-DLING AND STORAGE: See label. Keep out of reach of children. Do not swallow. Do not get in eyes or on skin. Avoid breathing mist or vapors. Keep away from , heat and open flame. Handle concentrate in ventilated area. Wash thoroughly after handling. Depending on degree of exposure of personnel, consider manifering blood cholinesterase levels. If in doubt, seek advice from DowElanco. Keep away from food, feedstuffs and domestic water supplies. For health and safety information on end-use dilutions of up to 1% DURSBAN (R) insecticides, see the Health and Safety Fact Sheet. Form No. 311-17-001(2/93), available from DowElanco.

MSDS STATUS; Revised section 7.

REGULATORY INFORMATION:

(Not meant to be all-inclusive—selected regulations represented).

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or inicited, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous tederal, state or provincial, and local laws and regulations. See MSD Sheet for health and safety

SARA 313 INFORMATION: This product contains the following substances subject to the reporting requirements of Section 313 of Title lift of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME CAS NUMBER CONCENTRATION 1.2.4-TRIMETHYLBENZENE 000095-63-6 5-15% CUMENE 000098-82-8 1-5% XYLENE (MIXED ISOMERS) 001330-20-7 1-5%

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

An immediate health hazard A delayed health hozard

A fire hazard

TOXIC SUBSTANCES CONTROL ACT (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA Inventory.

OSHA HAZARD COMMUNICATION STANDARD: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910,1200.

NATIONAL FIRE PROTECTION ASSOCIATION (NEPA) RATINGS

Category	Rating
Health	
Flammability	
Reactivity	1

The Information Herein is Given in Good Faith, But No Warrenty, Express Or Implied, is Made Consult The DawElanco Company For Further Information





P/N 19-0517-B

WHITMIRE RESEARCH LABORATORIES, INC. 1568 TREE COURT INDUSTRIAL BLVD. ST. LOUIS, MO 63122 PEFFECTIVE DATE: JUNE 23, 1992

C. WHITMIRE PT[®] 515 Wasp-Freeze[®] Wasp and Hornet Killer (314) 225-5371 (8:00 a.m. to 5:00 p.m. CST) (314) 576-0120 AFTER HOURS EMERGENCY PHONE NUMBER (800) 424-9300 CHEMTREC

PRESSURIZED LIQUID INSECTICIDE

EPA REG, NO.: 499-362

SECTION I: MAZARI	DESINGREDIE	NYS THE STATE OF	Market Arra Land
Solvents & Propellants: 99.74% Isoparaffinic Petroleum Solvent: CAS #64742-48-9 Carbon Dioxide: CAS #124-38-9 Phenothrin: 0.120% CAS #26002-80-2	ACGIH TLV/TWA NE 5000ppm NE	ACGIH STEL NE 30000ppm	OSHA PEL 500ppm 5000ppm NE
[3-phenoxyberzyl d-cis and trans 2,2-dimethyl-3-(2-methylpropenyl) cyclopropane carboxylate] D-Trans Allethrin: 0.129% CAS #28057-48-9	NE 5mg/M³	ne ne	NE .

SECTION 2: PHYSICAL DATA

BOILING POINT: NA SPECIFIC GRAVITY (H₂0 = 1): 0.800 VAPOR PRESSURE IN AEROSOL CONTAINER: 100 psig @ 70°F PERCENT VOLATILE: ~100% VAPOR DENSITY: NA
EVAPORATION RATE: NA
SOLUBILITY IN WATER: Negligible
APPEARANCE AND ODOR: Pale yellow color with
solvent odor.

SECTION J: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 144F (TCC) (Aerosol Concentrate)
FLAMMABLE LIMITS: NA
NFPA 30B FLAMMABLITY: Level III Aerosol
EXTINGUISHING MEDIA: CO,; Dry Chemical; Posm

SPECIAL FIRE FIGHTING PROCEDURES: None required.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure: Exposure to temperatures above 130°F may cause bursting:

SECTION 4: DEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NE (not really applicable for outdoor use only)
ROUTES OF ENTRY:

INHALATION? SKIN? INGESTION?
Secondary Primary Tertiary
HEALTH HAZARD (ACUTE AND CHRONIC)
SIGNS AND SYMPTOMS OF EXPOSURE:
EYE; May cause cyc initation.

SKIN: Prolonged exposure may cause skin irritation and elematitis.

INGESTION & INHALATION: Unlikely due to the product being pressurized and producing particles large enough not to be respirable. High concentrations of the isoparaffinic petroleum solvent (greater than 1000ppm) may cause headache and dizziness, are anesthetic, and may have other central nervous system effects. When used according to label directions, this level will not be attained.

CARCINOGENICITY:
NTP? IARC MONOGRAPH? OSHA REGULATED?
No No No No No No EMERGENCY AND FIRST AID PROCEDURES:
IF SWALLOWED: Call a physician or poison control center immediately. Gastric lavage is indicated. Do not induce vomiting. Vontiting may chose aspiration pneumo-

IF INHALED: Remove patient to fresh air. Apply artificial respiration if indicated. Seek medical attention. IF ON SKIN: Remove contaminated clothing and wash affected skin areas with plenty of soap and water. Seek medical attention if unitation persists:

II'IN EYES: Flush with plenty of water. Seek medical attention if initation persists,

MEDICAL CONDITIONS GENERALLY AGGRA-VATED BY EXPOSURE; None known.

SECTION SO REACTIVITY DATA

STABILITY: Indefinite when used according to label directions.
CONDITIONS TO AVOID: Do not spray into open

CONDITIONS TO AVOID: Do not spray into open flame or onto very hot surfaces. Do not store above 130°F.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition in open flame may result in halogen acids and carbon dioxide. HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 6: SPILLOR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: If container begins to leak (through puncture, etc.), allow in to discharge completely in well ventilated area, then dispose of in safe place. EMERGENCY TELEPHONE NUMBER OF CHEMTREC: (800) 424-9300

(for transportation spills)

WASTE DISPOSAL MOTHOD: Aerosol container is not refiliable. Do not attempt to recharge. When container is empty, discard in safe place, Do not puncture or throw into fire.

SECTION 7: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required, VENTILATION: For ourdoor use only, LOCAL EXHAUST: NA. MECHANICAL: NA. SPECIAL: NA. OTHER: NA

PROTECTIVE GLOVES: None required.

EYE PROTECTION: None required.

OTHER PROTECTIVE EQUIPMENT: None required.

SECTION 8: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Contains concentrated insecticide under pressure. Do not expose to temperatures above OTHER PRECAUTIONS: For outdoor use only.

SECTION 9: HEALTH RATING INFORMATION (NFPA)

HEALTH-1 FLAMMABILITY-1 REACTIVITY-1

SECTION 10: SARA TITLE HESECTION 313 SUPPLIER NOTIFICATION

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORT-INGREQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372:

CAS# CHEMICAL NAME % BY WEIGHT

This product contains no Section 313 chemicals.

SECTION (I) DOT SHIPPING INFORMATION

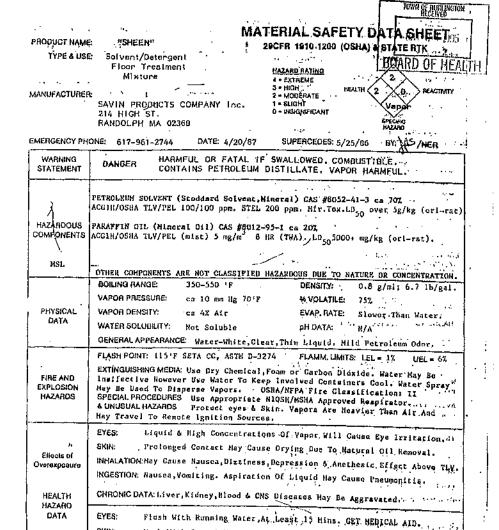
PROPER SHIPPING NAME: Consumer Commodity

HAZARD CLASS: ORM-D

NA - Not Applicable NE - Not Established

PFL - Permissible Exposure Limit ACL - Acceptable Cailing Level MPC - Maximum Peak Concentration AEL - Acceptable Exposure Limit PREPARED BY: Michael G. Sarli

Revised: 5/10/94



(Continued on mixt page)

SKIN:

First

Aid

No Components Are MTP, IARC or OSHA Listed (Carcinogenic). N/D = Not Determined

Wash With Soap & Water. Remove & Discard Contaminated Clothes, Shoes

INHALATION: Remove Parient To Fresh Air. Usa Oxygen If Indicated.

INGESTION: DO NOT INDUCE VORITING WITHOUT MEDICAL ADVICE. GET MEDICAL AID ASAP.

If Vomiting Occurs, Place Patients Head Below Knees To Prevent Aspiration, w

ACGIH/OSHA/NIOSH DATA: See "HAZARDOUS COMPONENTS" Section Above,

	STABILITY:	Stabile, w Not Polymerize,							
REÁCTIVITY DATA	CONDITIONS TO AVOID:	Protect From Heat, Sparks, Plame & Possible Sources Of Ignition. Keep Containers Tightly Cloked When Not In Use, Use Yantilation							
DAIL.	MAYERIALS TO AVOID:	Keep From Strong Oxidizing Agenta. Products Of Combustion: Carbon Honoxida & Carbon Dioxide.							
SPILL, OR LEAK	WARNING Combustible Haterial. Eliminate All Ignition Sources. VENTILATE AREA, For Large Spills: Evacuate Area. Wear Appropriate Respiratory & Protective Equipment. Remove Leaking Containers To Open Air. Absorb On Clay Absorbent & Remove Cutside For Safe Evaporation. Use Only Non Sparking Tools. VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL TO REMOTE SOURCES OF IGNITION.								
WASTE DISPOSAL	COMPLY WITH ALL LOCAL STATE AND FEDERAL REGULATIONS All Surfactant Components Are Blodegradeable. The Solvant Is Classed "O(1)". Toxic To Aquatic Life. Do Not Discharge To Ponda, Streems Or Naterways (Oil). EFA/IN Classified As Hazerdous Waste (Igniteability) 400FR 261.1. Incineration Or Evaporation Are The Usual Disposal Hethods, With EPA Approval. Addition Disposal Information May 8e Obtained From EPA At 800-424-9346. DOT Emergency Response Guidebook ENT 5800.3 #27. EPA Repulation 40 CFM 302 Reportable Quantity (RQ) Not Listed								
SPECIAL PROTECTION	SKIN: BU INHALATION: Pro OTHER: Use	e Splash Coggles Or Face Shield When Eye Contact Hay Occur							
STORAGE AND HANDLING	Store In A Clo Refer To HFPA Cloan Up Spill Keep Contained Always Wear Pr	ean, Cool, Ventilated Area, Away From All Sources Of Ignition. 30 4 OSHA 29CFR 1910.1061"Storage & Handling Flamm. & Combyliq- is At Once. Use Only Electrically Grounded Handling Equipment. Tightly Closed When Not In Use. Protect Containers From Damage. Totective Equipment. Wash Thoroughly After Handling.							
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	SPECIAL INFORMATION							

SPECIAL INFORMATION

COMBISTIBILITY & VAPOR INHALATION SHOULD BE THE PRIME CONCERNS.

Workers Should Not be Permitted to Mandle This Product Without Proper Training and Using Protective Equipment. Training BEFORE Exposure is MANDATED by 29 CFR (OSHA) & State RTK.:

Avoid Prolonged Contact With Skin, Farticularly Under Jewelry (Matches & Rings) & From " Contaminated Clothing (Cuffs & Shoes).

Containers Of This Product May Be Hazardous When "Emplied" Due To Residue & Vapors, Therefore ALL Hazard Precautions Given in This Data Sheet Must Be Observed. . HEVER Use A Cutting Torch On An Emptied Container. NEVER USE AIR PRESSURE To Discharge Container Contents,

Mechanical Spraying Of This Product May Increase The Razards (Fire & Health).

Read Label Streetlone Carefully. Always Handle So As To Avoid Splashing.

Clothes & Absorbest Used To Apply Or Pick Up This Product Retain The Same Hazards of Fire & Health As The Liquid Product. Take Care With Storage & Disposal. . Att.

Safety Cans Ave Recommended For Handling Small Amounts Of Product Dutside Of Original Container. Ground All Transfer Containers Defore Pouring.

THE DATA ON THIS MEDS ARE GENERATED FROM CURRENT PROFESSIONAL PUBLICATIONS, USE EXPERIENCE AND ACTUAL SORATORY TESTS, THIS PRODUCT IS A MIXTURE AND MISOS FILES ON THE INDIVIDUAL COMPONENTS ARE AVAILABLE ON REQUEST,

Disclaimer of Liability

As the conditions or methods of use are beyond our control, we do not assume any responsibilities and expressly disclaim any liability for any use of the material, information contained herein is believed to be true and accurate but all statements or suggestions are made without any warranty, express or implied, regarding accuracy of the kilormation, the hazards connected with the title of the reterial or the results to be obtained from the use thereof.



Product Name: SUPER GLOSS

MATERIAL SAFETY DATA SHEET

Date Pr	ecared: =======	12~28-89 «Манинентарана	Вире	rsedes:	NE)) EVERTIFIED	By:	. Z47	IG\ wadan
Companyı	214 HI	PRODUCTS CO., SH STREET PH, MA 02368		Infora	nat	Information: ion: 1-617-96: : 1-800-424-9:			
8年日式七代在外;	********		레보디디디	6 W W X W W W W	-	and see the seeks		*****	
		Section	11	BENERAL	IN	FORMATION			
Hazard	Classi] ; ;	NFPA 704 4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal +=Chronic (n	Health Flamma Reacti	ibility vity	[12] .

Precautions: CAUTION: Causes eys irritation and may cause skin irritation with prolonged contact. May be harmful if swailowed.

Prolonged exposure may produce headaches, and mucous membrane irritation.

Section 2: HAZARDOUS INGREDIENTS

Ingradient (CAB #)	XUt 	l OSHA PEL I (ppm or	ACBIH TLVI *mg/M3)
1: Disthylene Glycol Monomethyl Ether (111-77-3)	; 7.0	l N/A	N/A I
≥ı ·	!	!	j
31			· I
41	ļ	! !	- 1
51	}	1	

Product Name: SUPER GLOSS

Section 3G: RCRA INFORMATION

4500

Product No: 005.00

	SECTION 3: ENVIRONMENTAL DATA								
8EC,	SECTION 3A: SARA TITLE III INFORMATION								
		* 5	#2		#3		*4	311/312 Categories *5	
		N/A	N/A		N/A			H-1, P-3	
2;									
3;									
41									
5:									
#2# 13#	Thre	eshold Plac ic Chemica Lired by Sc	nning Qua 1. Sec. 3	ntity, 13.	Extremel:	y Ha:	#rdous Su	e. Sec. 302. betance. Sec. 302. Release inventory	
₩ 5₩	Haza	urd Catego: Lith Hazari		RA Gec.			rting. Hazardı	•	
	H-	-i≖ 1mmedi	ate (acut		р-, р-,	3= F; 4= 81	ire	ase of Pressure	
Sect	Section 38: CERCLA INFURMATION								
unde	EPA - Comprehensive Environmental Response, Compensation and Liability Act. Under EPA - CERCLA (Superfund) releases to air, land or water which exceed the reportable quantity must be reported to the National Response Center.								
				G 1-	-800-424-6	S086		uct is? N/A	

Page: 2

EPA - RCRA This product, if disposed of as shipped, is not a hazardous waste as specified in 40 CFR 261. Consult state and local

officials for proper disposal method,

Manes 1

'roduct Name: SUPER GLOBS

Product Not 005.00

BECTION 4: PHYSICAL/CHEMICAL DATA

Rolling Point	r	212 F 10	MTALO D G	%Volatile/Volume:	70 ×
Vapor Density	3	Ø.7X Air		Wt/Gwlion :	8.60 lbs./gal.
Pouring Point	1	N/A F	C	Molecular Weight:	N/A
Specific Gravity	2	1.032 0 20	' C	Vapor Pressure I	17 mm Hg @ 2010
Melt/Freeze Point	t e	(32°F (םים:	Solubility :	Disperses
Evaporation Rate	1	Approx. H2D		ef se lea	A. 50

Appearance & Odor: Thin, opaque, off-white emulsion with a mild odor.

SECTION 5: FIRE and EXPLOSION DATA

Flash point:)	200 F	Test:	Tag Closed	Cup	(ASTM D-56)
Explosive limite:	LELt	N/A UEL:	N/A	-	

Extinguishing Media: Use water (flood with water), dry chamical, CO2 or "alcohol" foam.

Unusual Fire and Explosion Hazards: Combustion may produce noxious and irritating gases which will require fresh air source in fire fighting.

Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

SECTION 6: REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Does not occur.

Incompatibility (Materials to avoid): Strong scids, strong sxidizers, strong alkalis, heat and fire.

Hazardous Decomposition Products: Carbon Monokids, Carbon Dioxide and other toxic gases.

Product Name: BUPER GLDSB

Product No: 005.00

SECTION 7: HEALTH HAZARD (ACUTE/CHRONIC)

Effects of Dyeramposure:

Carcinogenicity:

NTP: No

IARC: No

OBHA: No

Eyes: Causes eve irritation.

Skin: May cause skin irritation with prolonged contact.

Inhalation: Prolonged exposure may produce headache end mucous membranz irritation,

Ingestion: May result in nausea and gastric distress.

Chronic Effects and Medical Conditions: None known.

SECTION 8: EMERBENCY and FIRST AID

Eyes: Flush with copious amounts of water until all material is removed. If irritation develops or persists, Get Medical Attention.

Skin: Thoroughly wash exposed area with *cap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. If breathing is difficult, oxygen may be given, preferably with a physician's advice. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Ingestion: If swallowed, give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Do not give anything by mouth to an unconscious or convulsing person. But medical attention.

SECTION 9: PERSONAL PROTECTIVE MEASURES

Eye Protection: Avoid spiashing. Wear safety goggles if necessary. Contact lenses must not be worn.

Protective Gloves: Depending on conditions of use, protective gloves may be necessary.

Respiratory Protection: None required under normal handling conditions.

Page: 3

Page: 4

Product Name: SUPER SLOSE

Product No. 005.00

Ventilation: Either local exhaust or general room ventilation is usually required.

Other Protective Equipment: Emergency mys wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

SECTION 10: SPECIAL PRECAUTIONS

Handling and Storage: Handle according to good manufacturing and warehousing practices. Use good personal hygiene practices. Wash hands before sating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before rause. Stora only in tightly closed, properly vented containers away from heat, sparks, open flame or strong acids.

Spills and Leaks:

Small Bpills: Boak up small spills with inert solids, the muitable disposal container.

Large Spills: Limit access to area. Wear NIOSH/MSHA approved respirator (seif-contained breathing apparatus preferred). Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water. CAUTION: Floor may become slippery.

Waste Disposal: Incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without the proper authority.

Other Precautions: All labeled precautions must be observed when handling, storing, and transporting empty containers due to product residues. Do not rause this container unless it is professionally cleaned and reconditioned.

Neither this data sheet nor any statement contained herein grants or extends any license, express or implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The information in this data sheet has been assembled by the manufacturer or his agent based on its own studies and on the work of others. Neither the manufacturer nor his agent makes any warranties, express or implied, as to the accuracy, completeness, or adequacy of the information contained herein. Neither the manufacturer nor his agent shall be liable (regardless of fault) to the vendee, the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy, or furnishing of such information.

Pager 5

Material Safety Data Sheet

The information and data contained herein are believed to be correct. However, Viking Mfg. Co. does not worrant either expressly or by implication the accuracy thereof.

Note lost revised 6/1/90 Prepared by Walter Zuible Scott HERZOG

1. General Information Chamical Name & Synonyms Trade Name & Synonyms METHYL ALCOHOL, METHANOL, WOOD ALCOHOL DUPLICATING PLUID Chemical Family Formula ALCOHOL CII_OH Proper DOT Shipping Name **DOT Hazard Classification** METHYL ALCOHOL UN 1230 PLAMMABLE LIQUID Monufacturer Manufacturer's Phone Number VIKING NFG. CO. (508)653-0940 Manufacturer's Address Chemires Phone Number 68 MIDDLESEX AVE. 01760 1-800-424-9300 II. Ingredients Principal Hazardous Components Threshold Limit Value (units) Percent NETRYL ALCOHOL .. CAS_No. 67-56-1 ... 200 рри ETHYLENE CLYCOL MONOBUTYL ETHER ____ CAS No. 111-76-2 RECLIMATE BOARD OF HEALTH III. Physical Data Specific Gravity (HsO a 1) Bailing Point (°F) 148°F 0.791 Vopor Pressure (mm Hg.) Percent Volatile By Volume (%) Vopor Density (Air = 1) hutyl acetaterl Solubilly in Water Clear liquid, slight alcohol odor, IV. Fire & Explosion Hazard Data Flosh Point (Test Method) Auto Ignillon Temperature Tag closed cup 52°F UEL Extinguishing Media Water Spray, Alcohol Foam, CO., Dry Chemical, Any Class B Extinguishing Agent Special Fire Fighting Procedures Full protective clothing & self contained breathing apparatus should be worn when exposed to vapors or products of combustion. Unusual Fire & Explosion Hazards Filt Kontroll

V. Health	Hazard Data
OSHA Permissible Expesure Limit	ACGIH Throshold Limit Value
Corclosgen - NIP Program	200 ppm Corcinogen - IARC Program
МА	NA.
3). Homs of Exposure	
weakness, fatigue, dizzi	ness, hendaches, nausea, gastrointestina
disturbances & some degree of inebri Medical Conditions Aggravated By Exposure	ation.
EFFECTS M.	AY BE CUMULATIVE
Emergency First Aid POISON: Call a physician. I	inhalation of the vapor, ingestion of th ntact of the liquid or vapor with the ak f swallowed, induce vomiting immediately ing finger down throat. If INHALED, rem artificial resperation. If breathing is litom ryss, skin & clothing.
	tivity Data
Stability V Stability Conditions To Avoid	
Incompalability Anhydrides, sodi	ial which react with active hydrogen. ium, organometallic empds. Oxidizing Met usive to lead & aluminum oxide during incomplete combustion.
VII. Environmental	Protection Procedures
vapors. Run-off to severs may create he	eratus & full protective clothing to vage tank. Use water spray to knock downstall a explosion hazards; notify fire; salth & pollution control authorities.
VIII Special Prote	ection Information
Eye Protection	Skin Protection
Hear chemical safety glasses Respiratory Protection (Specific Type)	Wear Impervious gloves & protective clo Vension Recommended Local exhaust to control exposure levels below airbourne limits.
IX. Special	Precautions
Hygienic Practices in Hondling & Storage Store in closed system if possible. Kee	
Precoutions For Repair & Maintenance Of Contaminated Equipment	на
Other Precounters DO NOT TAKE INTERNALLY, Was BANGER! FLANMABLE. MAY BE FATAL OR CANOT BE MADE NON_POISONOUS. HARMFUL	h thoroughly after hondling. USE BLINDNESS IF SWALLOWED, IF INNALED.

 $\cdots =_{i=1}^{n} \left(1 + \cdots + 1 \right)$

Mr. K, Thanks for your help! Alon Me lac

Material Safety Data Sheat

DOT 0 1 1995 BOARD OF HEAD HIGH SPEED SPRAY BUFF #60

Hazardous - NO

PERMA Incorporated 605 Springe Road Bedford, MA. 01730

BECTION I - IDENTITY

Telephone Number for Information 500/567-5161 Date Prepared

Reactivity Personal Protection 4 = Most Razardous Emergency Phone Number 1-800-255-3924 or Folson Center

Health Flammability

Prepared By A. Vadasz

SECTION II - HAZARDOUS INGREDIENTS

· · · · · · · · · · · · · · · · · · ·	Hazardous Components CAS Reg#	PEL ppm	TWA	STEL	Other Limits	(opt)
Stoddard	Solvent CAS# 8052 - 41-3	. 500	100			< 25

*LISTED CHEMICAL SUBJECT TO REPORTING REQUIREMENT OF SCT.313 OF TITLE III.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point | - Zizz | Vapor Pressure (aim Hg) - 1.8 | Vapor Density (air=1) - 4.5 | NA Specific Gravity (Rater=1) - 0.96
Melting Fount - N.A.
Eveporation Rate (Butyl Acetate=1) - 0.06
Decomposition Temperature - 450F
Solubility in Water -MISCIBLE Vapor Density (air=1) Viscosity (CPS) Auto Ignition Temp. pH. N.A. +/-- NA. Appearance and Odor - LIGHT MILKY LIQUID, SLIGHT SOLVENT ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point - TCC 160

Flammable Limits LEL - N.A. UEL - N.A.

Extinguishing media -WATER SPRAY, CARBON DIOXYDE, FOAM, DRY CHEMICAL

Fire Fighting Procedure - COOL CONTAINERS WITH MATER, USE SELF CONTAINED BREATHING APPARATUS. BURNING PRODUCT IS TOXIC.

Fire and Explosion Hazards - CLOSED CONTAINERS MAY BURST WHEN EXPOSED TO EXTREME HEAT, ISOLATE FROM HEAT, SPARKS AND OPEN FLAME.

SECTION V - REACTIVITY DATA

Stability -STABLE Conditions to Avoid HEAT, SPARKS, OPEN FLAME AND FIRE

Incompatibility - STRONG OXIDIZING AGENTS. Hazardous Decomposition or Byproduct - THERMAL DECOMPOSITION MAY YIELD CARBON MONOXIDE AND DIOXIDE

Hazardous Polymerization - WILL NOT OCCUR Conditions to Avoid - N.A.

The information herein is based on data considered accurate, However, no warranty is expressed or implied regarding the accuracy of these data or results to be obtained from use thereof. Essentially similar to OSHA form # 174

PAGE 2 NGO

SECTION VI - HEALTH HAZARD DATA

Routes of entry: Inhalation - YES

8kin - NO

Ingestion - YES

Health Hazards-Acute: Causes eye IRRITATION, DRYING OF SKIN, DISTINESS CHRONIC: RESPIRATORY TRACT IRRITATION, DERNATITIS TARGET ORGANS: SKIN, EYES, RESPIRATORY SYSTEM

Carcinogenicity: NO

HTP → N.A. IAMC Monographs - N.A. OSHA Regulated - YES

Signs and Symptoms of Exposure EXCESSIVE INHALATION MAY CAUSE HEADACHE, DIZZINESS

Medical Conditions Aggravated - DERMATITIS BRONCHO-PULMONARY PROBLEMS

Emergancy and First Aid Procedures -Eyesskin Contact: Blot Hith Tork!, Flush With Large Quantifies of Mater. Inhalation: Remove to Fresh Air. INGESTION: INDUCE VORITING, GET IMMEDIATE MEDICAL ATTENTION

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Stops to be Taken in Case Material is Released or Spilled - DIKE AND COLLECT MATERIAL INTO METAL CONTRINGR, USE NON-SPARKING TOOLS. USE WATER OR FOAM SPANY TO LESSEN FIRE MAZARD. USE ABSORBENT FOR SMALL SPILL.

Waste Disposal Method - RECYCLE, INCINERATE, OR USE HAZARDOUS WASTE MANAGE-MENT PACILITY FOR DISPOSAL ACCORDING TO STATE AND FEDERAL REGULATIONS. BEA WASTE NO. DO01

Precautions to be Taken in Handling and Storage - COMBUSTIBLE, KEEP MAY FROM HEAT, SPARKS AND OPEN FLAME, USE ADEQUATE VENTILATION, AVOID PROLONGED OR REPEATED CONTACT.

Obher Precautions - Store In Secure Area. Dispose of Empty Containers Safely REEP OUT OF REACH OF CHILDREN

SECTION VIII - CONTROL MEASURES

Respiratory Protection - NOT REQUIRED WITH NORMAL USE

Ventilation

Local Exhaust -RECOMMENDED

Mechanical

-ASSURE FRESS AIR CIRCULATION

· Special

Other

-EYE WASH AND SAFETY SHOWER

Protective Gloves -REQUIRED: RUBBER, PLASTIC Eye Protection Other Protection REQUIRED: SAFETY GLASSES APRON OR SHOP COAT RECOMMENDED

Work/Hygianic Practices - DO NOT EAT/DRINK OR SMOKE NEXT TO MATERIAL, WASH HANDS/FACE AFTER WORK.

SECTION IX - TRANSPORTATION

Unit Cont. - 55,30,5,1 GAL. PLASTIC CONT Repo OSUA - CLASS II. COMBUSTIBLE LIQUID Labe DOT - COMBUSTIBLE LIQUID-EXEMPT PER 49 GFR 173,110A UN - NOT REGULATED

Report Qty, (Lbs) -MM Labels NONE

DOT: COMPOUND, CLEANING, LIQUID, COMBUSTIBLE LIQUID MA1993 UN: NOT REGULATED

Vendor ssaumes no responsibility for injury to vendes or third person proximately caused if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to venden or third persons proximately caused by shoramal use of the material even if reasonable safety procedures are followed. Further more, vendes assumes the fisk in use of the material,

Material Safety Data Sheet

TOWN OF BURNINGTON RECEIVED 1001 1 十 1995

SECTION I - IDENTITY

PERMA Incorporated 605 Springs Road Bedford, MA. 01730

#212 PENETR. FLOOR SEALER Hazardous -YES

Health Flammahility Reactivity Personal Protection 0 В

Telephone Number for Information 5007667-5161 Date Prepared 01/14/91 Propared By A. Vadasa

4 = Most Hazardous Emergency Phone Number 1-800-255-3924 or Polson Center

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Components CAS Reg# TWA STEL Other Limits (opt) PDM mag Stoddard Solvent 500 100 1 < 75 CAS# 8052 - 41 - 3

*LISTED CHEMICAL SUBJECT TO REPORTING REQUIREMENT OF SCT.313 OF TITLE III.

SECTION III - PHYSICAL/CHERICAL CHARACTERISTICS

Boiling point Vapor Pressure (non Hg) - 2.0 Vapor Pressure (nir=1) - 4.5 Specific Gravity(Water=1) - 0.87 Melting Point - N.A. Evaporation Rata(Butyl Acetata=1), - 0.08 NA. Vapor Pensity (air=1) Viscosity (CPS) Auto Ignition Temp. Decomposition Temperature Solubility in Water -NE - NA -NEGLIGIBLE й.л. +/-Appearance and Odor - Clear amber liquid, solvent odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point - TCC 140 F

Flammable Limits LEL - 0.7 UEL

Extinguishing media -CO2, FOAM, DRY CHEMICAL

Fire Fighting Procedure - COOL CONTAINERS WITH WATER, USE SELF-CONTAINED BREATHING APPARATUS, BURNING PRODUCT IS TOXIC

Fixe and Explosion Hazards - CLOSED CONTAINERS MAY BURST WHEN EXPOSED TO EXTREME HEAT, ISOLATE FROM HEAT, SPARKS, OPEN FLAME.

SECTION V - REACTIVITY DATA

Stability -STABLE Conditions to Avoid HEAT, SPARKS, OPEN FLAME

Incompatibility - STRONG OXIDIZING AGENTS. Bazardous Decomposition or Byproduct - THERMAL DECOMPOSITION MAX YIELD CARBON MONOXIDE

Hazardous Polymerization - WILL NOT GCCUR Conditions to Avoid - N.A.

The information herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results to be obtained from use thereof, Essentially similar to OSHA form # 174

DACES	-	# 277	٠.

SECTION VI - HEALTH HAZARD DATA

Routes of entry: Inhalation - YES

Skin - No

Inquestion - YES

Health Hazards-Aoute: CAUSES EYE IRRITATION, DRYING OF SKIN, DIZZINESS CHRONIC: RESPIRATORY TRACT IRRITATION, DEMMATITIS TARGET ORGANS: SKIN, EYES, RESPIRATORY SYSTEM

Carcinogenicity; NO NTP - N.A. IARC Monographs - N.A. OSHA Regulated - YES

Signs and Symptoms of Exposure - IRRITATION AND REDNESS OF SKIN, DIZZINESS

Kedical Conditions Aggravated - DERMATITIS BRONCHO-PULMONARY PROBLEMS

Emergency and First Aid Procedures -EYE43KIN CONTACT: BLOT WITH TOWEL, FLUSH WITH LARGE QUANTITIES OF WATER. THHALATION: REMOVE TO FRESH AIR. INGESTION: INDUCE VOMITING, GET IMMEDIATE MEDICAL ATTENTION.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled - DIKE AND COLLECT MATERIAL INTO METAL CONTAINER. USE NON-SPARKING TOOLS. USE MATER OR FORM SPRAY TO LESSEN FIRE MAZARD. USE ABSORBENT FOR SMALL SPILL.

Waste Disposal Method - RECYCLE, INCINERATE, OR USE HAZARDOUS WASTE MANAGEMENT FACILITY FOR DISPOSAL ACCORDING TO STATE AND FEDERAL REGULATIONS. EPA WASTE NO. DOOL

Frequentions to be Taken in Handling and Storage - COMBUSTIBLE, KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME, USE ADEQUATE VENTILATION. AVOID PROLONGED OR REPEATED CONTACT.

Other Precautions - STORE IN SECURE AREA. DISPOSE OF EMPTY CONTAINERS SAFELY KEEP OUT OF REACH OF CHILDREN

SECTION VIII - CONTROL MEASURES

Respiratory Protection - USE SELF-CONTAINED BREATHING APPARATUS FOR CONCENTRATIONS ABOVE THRESHOLD LIMIT VALUE.

Ventilation

Local Exhaust -RECOMMENDED

Machanical -REQUIRED; EXCHANGE EVERY 10 -15 MIN,

Special

-BLOW AIR INTO PITS AND DEPRESSIONS

Other

-ASSURE FRESH AIR CIRCULATION

Protective Gloves - REQUIRED: RUBBER, PLASTIC
Eye Protection - REQUIRED: SAFETY GLASSES
Other Protection - APRON OR SHOP COAT RECOMMENDED

Work/Hygienic Practices - DO NOT EAT/DRINK OR SMOKE NEXT TO MATERIAL, WASH RANDS/FACE AFTER MORK.

· SECTION IX - TRANSPORTATION

Unit Cont. - '55, 30, 5,1 GAL, METAL CONT. Report Q 098A - CLASS II. COMBUSTIBLE LIQUID Labbas -DOT - COMBUSTIBLE LIQUID-EXEMPT PER 49 CFR 173,118A UN - RAEARDOUS /X/ FLAMMABLE LIQUID-PACKAGING GROUP III Report Qty. (Lbs) - NA. Labels - UN-FLAMMADIE LQ

DOT-PAINT, COMBUSTIBLE LIQUID, UN1263 UN- HAZARDOUS /X/ PAINT, 3 UN1263

Vendor assumes no responsibility for injury to vendee or third person proximately caused if reseonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Further more, vendee assumes the risk in use of the material.

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		NT OF LABOR Health Administration	Des.	
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		rish Regulations for Ship Aepoliton, (29 CFR 1815/1816, 1817)		
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VAPOR DENSITY (AIR+1)	n/a	EVATOR OTION BATE About 1		
ADLUBILITY IN WATER SOLUBLE	1		- i -	
APPLANANCE AND BOOR		, , ,		
SECTIONIN	TION AND			
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Non-Flormot	ony chen	nicol fire, Respiretory protection		
is essential. UNUSUAL FIRE AND EXPLOSION HARAEDS				
	··	NONE		:
Page (3)				

(Continued on reverse title)

Form OSHA 20 Bir. 1617 72

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- Contract to the Medical Carte Cart	
	Do
Stable XX not pour water into soid.	
Incompatability (Materials to Avoid) Any Chemicals	
Hazardous Decomposition or Byproducts None	
Rayardous May Occur Conditions to Avoid N/A Zation Will Not Occur XX	
SECTION VI Realth Hazard Data	
Route(s) of Entry: Inhalation? Skin? Ingestion?	
Health Hazards (Acute and Chronic)Corrosive to all body tissues. Inhalation of mist a excessive amount mat cause serious lung damage. Contact with the eyes may result in to loss of vision. Chin contact-may product severe necrosis. Ingestion may cause severe i and death. Frequent skin contact with dilute solutions has caused dermatitis.	in otol inju
Carcinogonidity: N/A NTP? IARC MONOGRAPHS? OSHA Regulated?	
SIGNS AND SYMPTOMS OF EXPOSURE	
Tissue Destruction upon exposure & Dehydration. Hay cause third degree Burns.	
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE DETERMINED	
EMERGENCY AND FIRST AID PROCEDURES: Eye Contact: Immediately flush with large quantity on water for 15 Minutes. See physician immediately. Skin contact: Flush with large Quantities of water. See Physician immediately. If ingested: Drink large quantities water. DO NOT INDUCE VOMITING. Note to physician: Treat as a highly corrosive.	
SECTION VII Precautions for Safe Handling and Use Steps to Be Taken in Cone Material is Released or Spilled	
Contaminated area should be throughtly flushed down with large amount of water, A soda ash or line spread over the area to paytralize residual acidity.	
Waste Disposal Method: Store in area where spills or leaks can be contained and dispose of properly. Neutralize with lime or soda ash and flush to nearest drain.	ıd
Precautions to Be Taken in Handling and Storing	
Store in cool place away from combustible material, avoid contact with skin and eyes,	
Other Precautions	
DO NOT Store water can get into. SECTION VIII Control Measures	
Respiratory Protection (Specify Type)	
Ventilation Local Exhaust XX Special N/A	
Mechanical (General)	
Protective Gloves Eye Protection	
Rubber gloves should be worn Safety goggles should be worn	
Other Protective Clothing or Equipment	
Safety showers, eye beths, face shields, rubber eprons & shoes.	
Work/Hygenic Practices	
EXTRA precautions should be taken with this product.	

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Material Safety Data Sheet

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Conforms to OSHA Hazard Communication Standard 290FR 1910 1200

The customer receiving this Makerial Safety Data Sheet is uived to estudy it the chief the control of the contr

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	IDENTITY (AS USED ON LABEL AND LIST) SULFURIC ACID DRAIN OPENER	NOTE: Blank Space and not pointited if any liveriable, the space must be marked to indicate
	SECTION I	· · · · · · · · · · · · · · · · · · ·
	Manufacturer's Name WEPAK CORPORATION	Energency Telephone Number . (704)334-5781
	Address (Number, Street, City, State	Telephone Number for Information (704)334-5781
	P.O. Box 36803 Charlotte, NC 28236	Date Prepared October 27, 1989
	SECTION II Mazardous Ingredients/Ide	1
	Hazardous Components (Specific Chemica	1 Identity; Common Name
	Sulfuric Acid CAS#7	664939 lmg/m ³ ,934
·	1	
		,
	SECTION III Physical/Chemical Chara	cteristics
	Boiling Point 529°F	Specific Gravity (H ₂ O - 1) 1,2354
	Vapor Pressure (mm Hg.)	Helting Point N/A
	Vapor Density (AJR - 1) 3.38	Evaporation Rate (Butyl Acetate - 1) N/A
-	Solubility in Water Complete ph Strong Acid	
	Apperance and Odor Red liquid; no odor	
	SECTION IV FIRE AND EXPLOSION HAZARI	DATA -
	Flash Point (Method Used) None	Flammable Limits LEL UEL None
	Extinguishing Media Dry chemical, Carbon dioxide, and water	r fog.
·	Special Fire Fighting Procedures	ntainers as a violent reaction can occur.
t		•
	Unusual Fire and Explosion Hazards Acid will not burn, but can start fire	s with organic materials, nitrates, carbids
	chlorates, and metallic powders.	

Section II - Physics UChemical Characteristics Section III - Physics UChemical Characteristics Sology Pyla Section III - Physics UChemical Characteristics Sology Pyla Section III - Physics UChemical Characteristics Sology Pyla Section III - Physics UChemical Characteristics Sology Pyla Sology P	~ <u>~</u>		1			
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Quaternary Ammonium Compound None established 4 Cas 1 139-07-1, 139-08-2, 122-18-9, 107-41-5, 7732-18-5. Section III — Physics V Chemical Characteristics Soing Fein 212 F Specific Gravity (Nyo-1) 1.01 View Freston (on Ny) Water Notice Print View Density (NR-1) Water Evaporation Fund (Budy Accelute - 1) Water Complete Appearance and Data Freston (vertical User) None Frest and Explosion Hazard Data Fish Fries (vertical User) None Fish Print (vertical User) None Linguishing Missia N/A Special Fres Explosion Hazard Data Fish Print (vertical User) None N/A Instablifies and Explosion Hazards N/A						
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Water (But/Accelete v) Water Complete Appearance and Odor Brown colored solution; mild odor Section W — Fire and Explosion Hazard Data Flash Point (Without Breed) None Flammable Limits N/A LEL DEL Letinguis Ving Allois N/A Special Fire Explaint Procedures N/A install Fire and Explosion Hazards		Water	Meting Point			
Solety In Wales Complete Erown colored solution; mild odor Section W — Fire and Explosion Hazard Data Fish Point (Method lived) None Entinguishing Alata N/A Second Fire England Procedures N/A	Vajor Denoity (NA - 1)	- 	Evaporation Rut	0		-
Complete Brown colored solution; mild odor Stellon IV — Fire and Explosion Hazard Data First Fore (Method Used) None Explosion N/A Explosion Fire Foreign Procedure N/A Install Fire and Explosion Hazard Install Fire and Explosion Hazard	6-12 to 1 10 to	Water	(Butyl Apellate -	n `	•	Water
Specifical and Data Brown colored solution; mild odor Specifical W — Fire and Explosion Hazard Data First Ford (Method Used) NONe First Mone N/A First Mone M/A First Mone First Mone M/A		· · · ·				
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CABILLAC PLASTICS & CHEMICAL 130 CAMAL ST HALDEN, HA 02148 TODB ST. GERMAIN

DOW CORNING CORPORATION HATERIAL SAFETY DATA SHEET

HATL HAME: TRADE MATE(TM) PLSTC, MIL, AND MSNRY SLRT, CLEAR
EMERGENCY TELEPHORE NO. (517) 496-5900

SECTION I - GEMERAL INFORMATION

HARDFACTURER'S NAME: DOW CORRING CORP. PRODUCT INFORMATION NO. (517) 496-600D

ADDRESS: SOUTH SAGINAW ROAD, HIDLARD HI 48686

PROPER SHIPPING NAME(49CFR 172.101): HONE
D.O.T. HAZARD HAME(49CFR 172.101): NOME
D.O.T. MAZARD CLASS(49CFR 172.101): NOME
D.O.T. MAZARD CLASS(49CFR 172.101): NOME
RCKA MAZARD CLASS(49CFR 172.101): MOME
E.F.A. PRIGRITY POLLUTANTS(40FFR 122.53): NOME
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SECTION II - MAZAROUS INGREDIENTS AS DEFINED IN 20 CFR 1910.1200

CAS NO. INGREDIENT WITH A ASTERISK **)

COMMENT OLLUTANTS (40FFR 122.50): NOME OLD TO MAZAROUS INGREDIENTS AS DEFINED IN 20 CFR 1910.1200

PROPRIETARY PROPRIETARY 4 DOWN CORNING GUIDE: TWA 20 PPM.

PROPRIETARY PROPRIETARY 4 DOWN CORNING GUIDE TO MATER OR HUBID AIR. SEE COMMENTS I AND Z.

COMMENT 1: OBSERVE EXPOSURE LIMITS FOR METHYL ALCOHOL, FORMED ON EXPOSURE TO MATER OR HUBID AIR. NO DSHA PEL OR ACGIN TLY ESTABLISHED.

DOW CORRING CORPORATION

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HATE	. APPG	ABOVE	INFOR	HATTEL	enit KIŠ	NOT	THEF	unse Unse	AD II	111-1 1176	18	CLE/ 00F1	in. Meri	VC 1	יחתשל	tct	
				ACT D													

DOW CORNING CORPORATION MATERIAL SAFETY DATA SHEET

HATE HAME: TRADE MATE(TH) PLSTC, HTL, AND MSMRY SENT, CLEAR

SECTION VII - REACTIVITY DATA STABILITY: STABLE INCOMPATABILITY (MATERIAL TO AVOID): OXIDIZING MATERIAL CAN CAUSE A REACTION. CONDITIONS TO AVOID: EXPOSURE TO WATER, MOISTURE, OR AIR UNTIL READY TO APPLY--PRODUCT CURES UPON EXPOSURE. MAZARDOUS DECOMPOSITION PRODUCTS: MITROGEN ONIDES, SILICON DIOXIDE, CARBON DIOXIDE, AND TRACES OF INCOMPLETELY BURNED CARBON PRODUCTS. HAZARDOUS POLYMERIZATION: WILL NOT OCCUR COMPLTIONS TO AVOID: NOT APPLICABLE CORMENTS: NOHE SECTION VIII - SPILL, LEAK, MAINTENANCE/REPAIR AND DISPOSAL PROCEDURES SIEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE PRODUCT AND CONTAIN FOR SALVAGE OR DISPOSAL. PROTECTIVE EQUIPMENT: EYES: USE PROTECTION -- SAFETY GLASSES, AS A MINIHUM. SKIN: AVOID CONTACT BY USING IMPERVIOUS PROTECTIVE CLOTHING: RUBBER OR PLASTIC GLOVES, APROHS, BOOTS, ETC. USE PROTECTIVE GLOVES AS A MINIMUM AND WASH IMBEDIATELY UPON ANY DETECTABLE CONTACT. INNALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN ILY AND PEL GUIDELINES. WASTE DISPOSAL METHOD: DOW CORNING SUGGESTS THAT ALL LOCAL STATE AND FEDERAL REGULATIONS CONCERNING HEALTH AND POLICION BE REVIEWED TO DEFENHINE APPROVED DISPOSAL PROCEDURES. CONTACT DOW CORNING IF THERE ARE ANY DISPOSAL QUESTIONS. D.O.T. (49CFR 171.9)/E.P.A. (40CFR 117) SPILL REPORTING INFORMATION HAZARDOUS SUBSTANCE: HONE REPORTABLE QUANTITY: HOT APPLICABLE CENCENTRATION OF HAZARDOUS SUBSTANCE; HOT APPLICABLE REPORTABLE QUANTITY OF PROBUCT: HOT APPLICABLE COMMENTS: PRODUCT CONTAINS NO INGREDIENT SUBJECT TO D.O.T OR E.P.A. CERCLA/SARA ENVIRONMENTAL RELEASE REPORTING REGULATIONS. SEE SEC. XI FOR ADDITIONAL SARA COMPLIANCE INFORMATION. SECTION IX - ROUTINE HANDLING PRECAUTIONS
PROTECTIVE EQUIPMENT:
EYES: USE PROPER PROTECTION -- SAFETY GLASSES, AS A MINIMUM. SKIN *: AVOID CONTACT BY USING IMPERVIOUS PROTECTIVE CLOTKING: RUBBER OR PLASTIC CLOVES, APROMS, BOOTS, ETC. USE PROTECTIVE GLOVES AS A MINIMUM AND WASH IMMEDIATELY UPON ANY DETECTABLE CONTACT. INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VERTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES. VEHTILATION: LOCAL EXHAUST: RECOMMENDED HECHANICAL (GENERAL): RECOMMENDED SUITABLE RESPIRATOR: ORGANIC VAPOR TYPE. THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE MANDLING, USE AT ELEVATED TEMPERATURES, OR AEROSOL/SPRAY APPLICATIONS, MAY REQUIRE ADDED PRECAUTIONS. "GOOD PRACTICE REQUIRES THAT GROSS AMOUNT OF ANY CHRICAL DE REMOVED FAON THE SKIN AS SOON AS PRACTICAL, ESPECIALLY BEFORE EATING OR SMOKING, CONHENTS: AVOID BREATHING VAPORS AND EYE AND SKIN CONTACT, USE ONLY WITH ADEQUATE VENTILATION. OD NOT TAKE INTERNALLY.

DOW CORNING CORPORATION HATERIAL SAFETY DATA SHEET

MATE MAME: TRADE MATE(TM) PLSTC, MTL, AND HSMRY SERT, CLEAR

SECTION X - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING; STORE BELOW 90F/32C, KEEP
CONTAINER CLOSED WHEN MOT IN USE.

OTHER PRECAUTIONS: WHEN EXPOSED TO WATER OR MUNIO AIR, MATERIAL FORMS METHYL ETHYL KETOXIME (MEKO). PROVIDE VENTILATION DURING USE TO CONTROL EXPOSURE WITHIN 20 PHY GOVE CORMINE EXPOSURE BUIDELINE) OR USE RESPIRATIONY PROTECTION. COMMENTS: PRODUCT EVOLVES METHYL ALCOHOL WHEN EXPOSED TO MATER OR MUNID AIR. PROVIDE VENTILATION DURING USE TO CONTROL EXPOSURES WITHIN SECTION II LIMITS OR USE RESPIRATORY PROYECTION.

SECTION XI - COMMENTS

SECTION XI - COMMENTS

ABOUTIONAL SARA REGULATORY COMPLIANCE INFORMATION
SEC. 312 HAZARD CLASS: 1194551372 AND DELAYED.
SEC. 313 NOTIFICATION: NOT APPLICABLE - ETTHER NOME PRESENT OR NOME PRESENT IN REGULATED QUANTITIES.

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO MARRANTY, ETHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGHENE AND SAFE MANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

PREPARED BY: JACK L. SHEMEBERGER LAST REVISION CATE: JANUARY 23, 1990 PREVIOUS REVISION DATE: HOV. 22, 1989 (WAS X3-0408) DATE: JANUARY 31, 1991 (R) INDICATES REGISTERED OR TRADEMARK OF THE DOW CORNING CORPORATION.

PRODUCT SCENTED Personal Control (C) NAME ABSORB COMPOUND 4 = EXTREME MANUFACTURED BY: 1 3 = HIGH 2 = MODERATE COM 1 * SLIGHT SAVIN PRODUCTS COMPANY D= INSIGNIFICANT 214 HIGH 57. SPECIFIC RANDOLPH MA 02368 HAYARD EMERGENCY PHONE: 1 617-961-2744 DATE: 12/1/88 SUPERSEDES: 3/5/84 WARNING CAUTION: KEEP OUT OF THE REACH OF CHILDREN. MAY BE HARMFUL IF SWALLOWED . STATEMENT FOR INSTITUTIONAL USE ONLY. DO NOT STORE IN HOUSEHOLD AREA. THE PHYSICAL STATE NATURE AND CONCENTRATION OF DEODORIZING COMPONENTS ARE SUCH THAT THE NATERIAL IS BELEIVED NOT TO PRESENT A HALARD AS DEFINED. **HAZARDOUS** UNDER CURRENT OSHA, FHSLA, CPSC AND STATE RIGHT TO KNOW RECULATIONS. COMPONENTS THE PRODUCT DOES PRESENT AN ATTRACTIVE ODOR AND TASTE ATTRACTION TO CHILDREN WHICH CONCEIVABLY COULD LEAD TO AN INGESTION ABUSE. CONTAINS: SALICYLIC ACID, HETHYL ESTER (DIL OF WIRTERGREEN) CAS#119-36-8 5₄:- • SOLID N/A Jan 1 1 1 DENSITY Less Than 4 150/gel BOILING POINT: VAPOR PRESSURE: SOLID N/A **** **** % VOLATILE: Approx .- 5% wt/ut PHYSICAL VAPOR DENSITY: SOLID N/A EVAP. RATE: LOW DATA WATER SOLUBILITY: INSOLUBLE pH DATA: Essentially Neutral GENERAL APPEARANCE: Light Brown, Sawdust-like Solid, Pleasant Hint Odor FLASH POINT: OVER 220'F Tag CC FLAMMABLE LIMITS" 100 (% Vol. In Air) EXTINGUISHING MEDIA: USE WATER SPRAY, DRY CREMICAL, FOAM etc. FIRE AND USE WATER SPRAY TO KEEP CONTAINERS COOL. EXPLOSION SPECIAL PROCEDURES, NONE KNOWN. HAZARDS & UNUSUAL HAZARDS: NFPA/OSHA CLASS III-B COMBUSTIBLE. NFPA FIRE HAZARD RATING =1 EYES; MAY CAUSE TRANSIENT IRRITATION Effects of Overexposure SKIN: . NONE WITH NORMAL USE. ٠. INHALATION: HONE WITH NORMAL USE. INGESTION: MAY CAUSE GASTRIC DISCOMFORT AND IRRITATION. HEALTH CHRONIC DATA: CURRENT. DATA INDICATES NO. EVIDENCE OF CARCINOGENIC BAZARDS JE. HAZARD

FYES: FLUSH WITH RUNNING WATER, SEEK HEDICAL ADVICE IF IRRITATION PERSISTS.

ACGIH/OSHA/NIOSH DATA: PRODUCT IS HIXTURE AND IS NOT REFERENCED SPECIFICALLY, OIL OF HINTERGREEN (HETHYL SALICYLATE) IS NIOSH LISTED DRAL-CHILD TXDS. 10ml. NOT ACCIH/OSHA LISTED. CONTAINS TESE THAN 5 mls/1 1b of Product.

INGESTION: GIVE SEVERAL GLASSES OF MILK OR WATER. INDUCE VOHITING AND GET MEDICAL ATTENTION.

SKIN: WASH WITH SOAP AND WATER.

INHALATION: REMOVE PATIENT TO FRESH ALR. P. 10 18 p. 1

DATA

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ABILITY:	STABILE '		POLYMER.HAZ	ARD: NONE
ONDITIONS O AVOID:	NONE KNOWN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Control (Control uility of the second	
ATERIALS D AVOID:	STRONG OXIDIZING AG	ENTS, PRODUCT	18 PRIMARILY	
	ANTICIPATED. SWEEP UP	PRODUCT AND	RETURN TO CON	Main of C
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GERERALLY PE	LY WITH ALL LOCAL, ST BUITTED, IN SANITARY L HISDERED ACCEPTABLE F	ANDFILL APPRO	VED UNDER LOCA	STATEMENT ORDINANCES
SEWERS.	NCINERATION IS PREFER	e gam a	Enderth St. of the	5 19/25 CV 13/4
	NONE WITH NORMAL USE			
Mi hay way	NONE WITH NORMAL USE	-	1 1 1 1 1 1 1	
IALATION:	NORE WITH NORMAL USE			
HER:	NONE WITH NORMAL USE		ester vesaz I	Ja ilo / liji l
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	Agrana San San San San	in head t		
DO NOT ST	ORE WITH STRONG DXIDI		. ,	'
	ORE WITH FLAMMABLE OR			116116114 -
KEEP FROM	THE REACH OF CHILDRES OR SUPERVIZED INSTITU	N. ODOR AND TA	STP MAY I PAN	TO DE
		1 1 1 2 1	Sala Maria	and respectively.
THIS PROD	UCT IS BELEIVED TO PRODUCT OF THE PROPERTY OF	ESENT HINIMUM	HAZARD WHEN	ROPERLY
THE PLEAS	ANT WINTERGREEN ODOR (ZED CHILDREN, INGESTIO	TASTE COULD ON OF LARGE AL	LEAD TO INCES	Tion by a sof MFUL.
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	and the same is a		A 1 5 100 1	NEALTH .
d William			of Made	G.ASAH ATAU
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CONTACT	YOUR TECHNICAL REPRE	SENTATIVE FO	R FURTHER IN	ORMATION .
3 4 4 4	nation of the second		A 541.48	·
hads of use are b I the material. In		sume any respons beliaved to be true	bilities and expression and accurate but a	/NER siy disclelm li statements

7 Table 1									
Names Health 1. Flammability 1. Rescribity 0	\$p+c #	0 Hi	irs Kng' Health 1	Figmmability	Reser	rtty_0	Parson	al Protection	В
Material Safety Data	Shee	t o	T HAZARD CLA	BEIFICATIO	H.ª	DRM-8	,		
This MSDS compiles with OSHA's Hazard Co	lon 16	Identity (Frade Name As Used On Label)							
Standard 29 CFR 1930, 1200 and OSHA FOR	M 174,	_}#	ISTY PAINL SDS Number	ESS STAL	NL 1. 55				 -
AKREP, INC.		L		2- 6					
ADDRESS		⊢ļ¢	HEM TREC:		0-424-1	300		•	
990 Industrial Park Or	ive	T	la Frepared						
. Keriette, Georgia 3006	2		2/:	20/90		-			
Phone Humber (For Information) (404) 386-3083		_]"		O/STN					
Emergency Phone Humber (484) 386-3883		_ N	OTICEJUDG		SED OF	ומאז א	RECT	TEST D	DATA
SECTION 1 - MATERIAL IDENTI	FICATIO								
COMPONENTS — Chemical Name & Common Na (Hazardow Components by as grapher, Cardinogens 8.1%	mes o or greater)	6	A 8 Number	APPROX.	OAHA PEL (PP		(PPM)	CARCINOS REJERRNOS BOURCE	EN E
isolutone ·	····	7	5-28-5	11	1000	100		d	
Hineral Oil	•		2-47-5	25	5mg/M ³		3/H ³	- "	
		904		- 	Jing/m	12 (8)	<i>7</i> /11		
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47-64-1 Acutona 21-35-4 1 ₂ 7 ₄ 3-1richlarosithana 2	314)-67-7 Illian	um Diesja				Har	<u>v. 1</u>	1_1 2 21 11	
30-09-5 formulabyda 35-07-1 fethylene riderida 67-36-1 Nathana) 107-21-1 (inclene girtale	7444-)U-Z Marqi 7763-\$8-8 516ves	urle icld] · · · -		-	,	10.01	П
73-44-7 p-C1240]	7664-93-9 5-2 fee 7660-66-6 72mc (le Jeld		-}	160	W. C.			·
27-45-5 Methosymbles 122-18-6 Introminenethyland	7447-01-D Sydroc	aleric to			BC	<u> MKL</u>	<u>U</u>	IHEAL	Щ.
78-79-2 co-Suly1 alcohol 139-13-7 Hitpshitzlacoise paid *Toombia algod withers.	76-17-1 Feese 76-17-1 Feese	IL IL							لتنت
SECTION 2 - PHYSICAL / CHEM	ICAL CH	ARA	CTERISTI	CS					
Found Point	WA		Specific Gray!		0.1	. :		0.960	
Vapor Pressure PEIG & 70'F (Aerosole)			(H,G + 1) Co	R (MON-Auro	Hole)		_		
Vapar Deathy	Max: 60		(mm Hg and 1					_ NA _	
[An - 1] Solubility	NC		I	* f)	•		ļ., <u>.</u>	KE	
In Water	Soluble		Waler Reactive				<u> </u>	No	
Appearance and Odor White Found with light le	mon frage	EARC	· · · · · · · · · · · · · · · · · · ·	:					
SECTION 3 - FIRE AND EXPLOS	ION HA	ZARE	DATA			· · · ·			
FLAMMABILITY IN PHY UBA FLAME PROJECTION TEST [ARROADES] NON-FLAMHADL E	Auto-Ign Tempera		Flammabl Air 4 by	illy Limits in Valutae	•	itst	NC	DEL	NF.
Flesh Point and Malhod Deed (Man-Aerosols) NA	<u> </u>								
fallogulater Form, dry chemical, carbon	dioxide, w	ter.							
Special Fire Fighting Procedures Solf contained brouthin						··· -			
The state of the s	a alderiard			···		····-			
	<u>.</u>		···-					~ 	
Unusual File and	 					.			· · · · ·
Eaptosten Hazards On not expose serosols to	Lesperation	res obs	ove 130° F or	the conta	iner may	runty	rg. ~		

44 Chemical History at Earcinogen of Falsonal Carcinogen

SECTION 4 - REACTIVITY HAZARD DATA	142-6
STABILITY Conditions	142-0
To Avoid	
Unsimble Open Clame, welding arcs, heat	
[Malarisis to Avoid] Strong exidents.	*
Decomposition Products Co. Co.	
HAZARDDUS POLYMERIZATION Conditions	
□ May occur To Anold None Khown	' '
SECTION 5 - HEALTH HAZARD DATA	
PRIMARY ROUTES Inhelellon Ingestion Not Hazardous Self Absorption Eye	Ī
ACUTE EFFECTS	- 1
tankalattorir	-
(Excessive inhelation of vapors con be harmful and may cause headechs, dizzinces, asphyxic,	—∔
ty Central	
Mild Irritation	
	; ii
Member Passible themical pneumonitis if appirated into lungs, Naussy. CHRONIC EFFECTS (Effects due to accessive exposure to the row majorials of this mixture) Medical Condition Medical Condition	
CHRONIC EFFECTS (Effects due to excessive exposure to the raw malerials of this mixture)	
CHRONIC EFFECTS (Effects due to accessive exposure to the rew materia)s of this mixture) Hay course heudeches, dizzincas and nausca. Medical Conditions	
Graces Controlled by Exposure Hay aggravate existing eye, sking or upper respiratory conditions.	·]
EMERGENCY FIRST AID PROCEDURES -	łi
Eye Contact Think with water for 15 minutes. If irritated, see physician.	
Bkin Contact	
Hash with good and water. If irritated, see physician.	!
Remove to Frush air, Respectfule if necessary, Get medical mid.	
INSUCE VONITING. CALL PRYSICIAN NAMEDIATELY.	1
SECTION 6 - CONTROL AND PROTECTIVE MEASURES	
Asspiratory Protection (Generally Type) If vapor conc. traceds ILV, use respirator approved by NIOSH in positive pressure mode. The Projection	: 1
	<u> </u>
VENTILATION Adequate ventilation to keep yapor concentration below ILV.	
(Hing Profectiee	
Cicihing and Equipment Norw	,
Hygianic Work Practices Wash with mosp and water before handling food. Homove conteminated cicthing.	
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURI	ES .
Bleps to be Telen if Meletal M Spilled Dr Reisseed Absorb with ouitable medium. Inkinorate or landfill according to local, etate,	i .
or federal regulations. Do not flush to sever.]
Waily Disposed Methods Agress) cans when ventud to almospheric pressure through normal une, pose no	
dieposel hezhrd,	
Frequencies to be taken on Handling and Blomas Do not princture or incinerate containers. Do not prove at temperatures above 108	E. I.
Other Preceditions and for Resortal Hazards	- † 1
Avaid food contamination: KEEP BUY OF REACH OF CHILDREN, Avoid breathing vapora.	

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied.

	s.C. Johnson Wax
	gacine, Wisconsin 53403-5011
	phone: (414) 631-2777
ï	rmeIdency Phone (414) 631-200

4=Very HighHAZA	RD RATINGS	
3-High	HMIS	NEP
2=Moderate	2 Health	
1=Slight	0 Flammabil	
0=Insignificant	0 Reactivit	Y

1	phone:(414) 631-2777	2=Mode ;	ate	2 7	Health	٦.				
1	gmergency Phone: (414) 631-2000	l∍Sligh	ı t	10-1-	Flammability					
i	•	O≖Insíq	nlfl	cant 0	Reactivity	\dashv				
ı										
ŀ	MATERIAL SAFETY DATA SHEET									
4	SECTION I-PRODUCT ID	PENTIFICATION	NC							
1	Perchant Manne;	····		Product C	ode:					
ı	HORIZON 420 NO RINSE MEUTRAL CLEA	NER			018W25-001					
		heroedest	Prenue	ecf hys	220000 001					
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Ή	NA 06/29/90 0	5/05/89		hemical i	Info. Adm.					
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1	F SECTION II-INGREDIEN	T INFORMAT	MON							
.1	Ingredient	Weight			Exposure Limit					
1	<u></u>				SYDORULE HIMEC					
.1	Monylphenol Polyethylene Glycol	3-5		NAT EEM	ABLISHED					
ď	Ether (CAS \$26027-38-3)	1 2 3		1401 5211	ABELSAED					
4	. HOUSE 1000 #40061-30-31	1 .								
- 1	Water (CAS \$7732-18-5)	94-97								
4		1 34-31		NA .						
4	<u> </u>									
. 3	Si cograti in puna	7011 0401								
	SECTION III-PHYS	ILAL DATA								
r.	APPEARANCE/OOOR: Dark blue liquid									
Ē	with floral odor	SPECIFIC GRA	ALLA (H	10-1): I.QI						
9	<u></u>	· · · · · · · · · · · · · · · · · · ·								
-	YAPOR PRESSURE man Hgr: Same as water	PERCENT YOU	ATILE B	Y VOLUME (%)	. NA					
÷	[2]-					~				
E	ESOLUBILITY IN WATER: Complete	VAPOR DENSIT	MA) YI	•n:Same a	s water					
S	[6].	<u> </u>								
	FREEZING POINT (FF. about 32	EDILING POIN	ፒተን:	above 200	3					
녉						a l				
×,	8½n: 7.7	EYAPORATION	RATE (BUTTL ACETAT	E=II: NA	•				
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ij					RECEIVED					
ř	SECTION IV-FIRE AND EXPLO	SION INFORM	MATIO	N		٦				
3	SPLASH POINT ("F) (METHOD USED): above 200		··-			T				
惩		•			pores 1998	_[]				
3	SELANIABLE LIBITS: NA				·	П				
	隆				SAME OF UEAL	뭐				
Ŧ	EXTINGUISHING MEDIA: FORM. , CO2. , Dry C	hemical.	, Wa	ter Fog.	LBOAKD OF MEAC	.11				
Ų.										
E	PECIAL FIREFIGHTING PROCEDURES: Normal fire	fighting	proc	edures ma	y be used.	\neg				
분		, .			- ·	j				
¥	MINSUAL FIRE AND EXPLOSION HAZARDS: No special	hazards	know	713 .		╗				
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ď	SECTION V-HEALTH I	HAZÁRD DAT	Ά	-	· · · · · · · · · · · · · · · · · · ·	٨.				
Щ	MMARY ROUTE OF ENTRY: Skin contact		7-17 1			\neg				
7						- 1				
d	CNS AND SVEISTONS Direct contact of DC	SCHOOL POLL	D 5077	r chn ch	UCA	-1				

this and striptoms: Direct contact of product with eyes can cause littation. Prolonged or repeated contact of product with skin may cause littation. Product may cause irritation and nausea if taken internally.

AT AID PROCEDURES: Flush eyes with water for 15 minutes. If irritation the lasts, seek medical aid. If product gets on skin, remove with soap and ter. If product is swallowed, drink large amounts of water or milk and tek medical aid.

SOCION X NOTICE OF THE STATE OF SECTION XI-TRANSCORTATION INFORMATION SECTION X.ADUTIONAL INFOIDITATION AMEDITATION S.C. Johnson has 1525 Hove Street Angles, Wisconin 50403 POT OLUM TAINSC THOYFOAL CEEARER 1 wakitangay manaunan ito special mediada. Oktorare all'apillekile referiol'altic republican and coal lociformere cerevising lapreal of non-bastodum materials, wate (rom mora) product ure, my be ravered to a poblic-pared icelement work; (rom) in compliance with implicable tederial, essie, and local protechent requirements. SECTION LASTICAL SECTION LASTICAL PROCESSIONS AND TOTAL SELICE TO SECTION LASTICAL TOTAL SECTION OF SECTION VIRSTELLAL THOUSECTION WORKER TO SPECIAL THOUSANT WHE TOTAL THOUSE. Gindemokrali antalozat follungus 1826 "Aftaroughily" Aftar Thangiling. "Keep Teos Egerelog, Keep vol. af ceach of Childeen. onkazmanena, uspasa pod parzonal hypiene przeklesz, usyte jesze gychala contact may be a problem, usatuse nypropriate protective egyboak. SITTION VICENTIA OR LEAK PROCESSURES TEACHER TO THE TITLE OF LEAK PROCESSURES TO THE TITLE OF TH rmeeine atoms 1 (\$1010nigto or reproted contact 11 porestals hay indayonu idipilipalso resugcia isberi ekpasaa 160 1114, producek isalahili roduste ol sobuseloo. | UGN| EGH | 10 | UGN| EGN| | Product | Product | Product | Serial | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product | Product Chemical vorters spissingroot google #07 F3 E3 E 3 E1 B F. SECTION TEREACTIVITY BATA matarion General room ventilation saleguate. MENNERIA HOLVMENTALITATION COMPINSOR ID ANDIO BOOK TODA ACTION TRANSPORTATION WILLTHOS GETTE Affeigne Strong selds 18:9., Jonnson war M. S.C. Johnson War. 1525 Hove Street Regine, Histornsin rangire Stable

aiase bidiaac Cleaber : 7016425

MATERIAL SAFETY DATA SHEET

MATERIAL SAFETY DATA

S.C. Johnson Wax Racine, Wisconsin 53403-5011 Phone: (414) 631-2777 Emergency Phone: (414) 631-2000

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4-Very HighHAZARD RATINGS	
	P.
2 Moderate 2 Health	1
L=Slight 2 Flammability	1
D-Insignificant 0 Reactivity	I

MATERIAL SAFETY DATA SHEET SECTION I-PRODUCT IDENTIFICATION

Product Manie: Product Code: RUGBEE EXTRACTION PLUS . 13840-001 Chemical or Common Name: Date Istued: Supercedes Prepared by: Terry A. Meyers Chemical Info. Adm. 06/29/90 10/06/89

SECTION II-INGREDIENT	INFORMATION	
Ingredient	Weight 3	Exposure Limit
Tetrapotassium Pyrophosphate (CAS . #7320-34-5)	1-3	NE
(PA,NJ,MA) Glycol Ether (CAS #111-76-2)	2-5	25 ppm ACGIH TLV-TWA; 50 ppm OSHA PEL
D-Limonene (CAS #5989-27-5)	3-8	NE
Sodium Perborate (CAS #10486-00-7)	1-3	S mg/m³ (Supplier Recommended)
Amine Acyl Sulfonate (CAS # NA)	3-8	NE
Alkyl Napthalene Sodium Sulfonate	1-3	NE TOWN OF THE PROTOCOLOR
Water (CAS #7732-18-5)	70-90	NA)
See Ragulatory Information (Section XII) for explanation of bracketed information.		ROARD OF HEADTH

· · · · · · · · · · · · · · · · · · ·	
SECTION III PHYS	ICAL DATA
APPEARANCE/ODOR: Clear, light yellow,	And the second of the second o
low viscosity liquid, with a	SPECIFIC GRAVITY (H2O-II: 1.0
sweet citrus odor	ા કું કું કું કું કું કું કું કું કું કું
VAPOR PRESSURE (644) Hg): ND	PERCENT VOLATILE BY VOLUME (X): 89.5.
	the first and a supplication of the first
SOLUBILITY IN WATER: Complete	VAPOR DENSITY (AIR-I): ND
TREEZING POINT (F): ND	BOILING POINT (19): ND
рн: 9.0-10.0	EVAPORATION RATE (BUTYL ACETATE-1): ND

SECTION IY-FIRE AND EXPLOSION INFORMATION			•		
FLASH POINT (*P) (METHOD USED): 118 (TCC); 143 (TCC)	.				
FLAMMABLE LIMITS: ND				·	
EXTINGUISHING MEDIA: FORM. , CO2. , Dry Chemical. , Wace	r F	oğ.			

2 JOHNSON HAX MATERNAL SAFETY DATA SHEET PAGE	5.C. Junaan Hek New New 25 C2778, Credit (1513)	SATTHE VELSENCEL FORESTORING INCOMMATTER KNOWS TO FREE FORESTORY IN FRANCISCO OF CONTESTINE AND SACROUS ASSESSIONS. 16 prosessibles Any Sapervious assessible.	itrumitier by persist on for regarded united united to force viel undiffered product is apassiale. product is apassiale.	SIXTIGN KSPECIAL PRECLAMINS 1 of Cauting of Daniel Billion Company Store in 8 6001, dry 31ste viter 14deluste 1 of Cauting the Cauting Company of the in 8 6001, dry 31ste viter 14deluste 1 of Cauting the Cauting the Cauting of Cauting the Caut		STGASS. SECTION RETURNS DETAILED INFORMATION NOTE.	Listing water.	Socie are no impressionate solved to the experiment endicements under california's frequents under california's frequents under	M. Thise injections are subject to the reporting requirements under the conservation a literature Substance List. IN This Injections are aubject to the reporting requirements under the reporting requirements.	MA — Thres ingenificats its subject to the egociling requirements under the head-schilled that assemble and the egociling requirements which will be a subject to the egociling the egociling requirements when the egociling the	
15011 NAX MATERIAL SAFETY DATA SHEET 2090	Dominon and House Reducer Bushafe 12 Street	SECTION WEREZANG EXILOSION PROBABATION (ABA) The interior patromete Hotel I (fee Tigheing procedures may be used. The things exiling meads no Ippela) preseds these	AND POLICO PRINT STEE CONFRCE	Substanced intest confact of product with kish can ease infinitelian. Tale backmans fluis appearill notes for a single confact of product for 15 single confact of the single confact for 15 singles. For 17 single confact for 15 singles, the single confact for 15 singles. If Intestallan lists, seek addict and Kish Afm with planty of whee, If including the confact for the confact f	4175 SEABLE SECTION VERILECTIVITY OATS.	ulatimuty, Note Vigorii ulama decentraliste productir Nean exposed to cifes, produces notes)	hodis varval sistema (PLL) inde değret.	Section Visities on terr reactions :	Colona windraw (or perior) articles, Unserty at 17 applicable of the colona windraw (or perior) and acal acaliances regarding digness) of the colona articles, the street of the colona articles, the street of the colona articles are as the colona articles are articl	SECTION VILESCELL, PROTECTION PROPALTION 1 LAKAN GENEEL TOLE VENELLY FROM THE WASTE NATURAL WES COORDITIONS. THE SE SERVING POSE CAN BE CONTESTED THE POSEMITY AGENIES. SUBSEMILIATION THE SEL SERVING FOR CAN BE CONTESTED WITH COAL SANKER VENELIATION	

15.25. 1. 15.25.

(PT . | 19205 108/91 MATERIAL SAPETY DATA SHEET For Coatings, Resins and Related Material SECTION I - PRODUCT IDENTIFICATION Manufactured for: Triple S Information Phone: 617-273-20: 141 Middlesex Tpke Emergency Phone 24HR:800-228-56. Burlington, MA 01803 Hazard Ratings: Health -Product Class: Waterbase Cleaner Fire -Trade Name: NewAge Maintenance Cleaner Reactivity -Product Code: 4P2309 Personal Protection -SECTION II - HAZARDOUS INGREDIENTS Weight Exposure Vapor Pr. Ingredients é Limits mm Hg 2-PROPANOL 67-63-0 400. 25. mag 2~BUTOXYETHANOL 111-76-2 10.0 ppm SECTION III - PHYSICAL DATA Boiling Range: 175-343 F Vapor Density: Heavier than Air, Evap. Rate: Slower than n-Butyl Acetate Liquid Density: Lighter than Water. . Volatiles volume: >99 % . Wgt per gallon: 8.15 Pounds. Appearance: LIGHT BLUE LIQUID SECTION IV - FIRE AND EXPLOSION HAZARD DATA Planmability Class: II Flash Point: 112 F TCC -EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM -SPECIAL FIREFIGHTING PROCEDURES: NONE -UNUSUAL FIRE & EXPLOSION HAZARDS: SELF-CONTAINED BREATHING APPARATUS MAY BE REQUIRED FOR FIREFIGH-TERS. SECTION V - HEALTH HAZARD DATA -PERMISSIBLE EXPOSURE LEVEL: SEE SECTION II -EFFECTS OF OVEREXPOSURE: MAY CAUSE SKIN AND EXE IRRITATION. BREATHING OF VAPORS MAY CAUSE HEADACHE OR DIZZINESS. MAY CAUSE DAMAGE TO EYE TISSUES. MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: PREXISTING EYE, SKIN, AND LUNG DISORDERS. PRIMARY ROUTES OF ENTRY: EYES, SKIN, INHALATION. -FIRST AID: INHALATION: IF OVERCOME BY VAPORS, REMOVE TO FRESH AIR, TREAT SY MPTOMATICALLY AND CALL A PHYSICIAN. EYES: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES AND GET MEDICAL ATTENTION. SKIN: WASH WITH

SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

Trade Name: NEW AGE MAINTENANCE CLEANER SECTION VI - REACTIVITY DATA (cont.) STABLITY: [] Unstable [x] Stable HAZARDOUS POLYMERIZATION: [] May occur [x] Will not occur ~INCOMPATIBILITY ACIDS AND ALKALIES. -CONDITIONS TO AVOID: NONE -HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY PRODUCE CO & CARBON DIOXIDE. SECTION VII - SPILL OR LEAK PROCEEDURES -STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED ELIMINATE ALL SOURCES OF IGNITION. CONTAIN SPILL AND COLLECT FOR DISPOSAL. -WASTE DISPOSAL METHOD; DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. SECTION VIII - SPECIAL PROTECTION INFORMATION: -RESPIRATORY PROTECTION: USUALLY NOT NEEDED. IF HIGH CONCENTRATION OF VAPOR IS ENCOUNTERED, USE ALL PURPOSE CANISTER MASK. -VENTILATION: GENERAL (MECHANICAL) -PROTECTIVE GLOVES: RUBBER -EYE PROTECTION: GOGGLES -OTHER PROTECTIVE EQUIPMENT: SECTION IX - SPECIAL PRECAUTIONS -PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN A COOL, DRY PLACE AWAY FROM SOURCES OF IGNITION. KEEP CONTAINERS CLOSED AND UPRIGHT. -OTHER PRECAUTIONS: FOR INDUSTRY USE ONLY. DOT CATEGORY: COMBUSTIBLE LIQUID CONTAINS: WATER, 2-PROPANOL*, 2-BUTOXYETHANOL*. OTHER INGREDIENTS UNKNOWN OR PARTIALLY UNKNOWN. * INDICATES COMPONENTS WHICH MAY BE REPORTABLE UNDER SARA TITLE III, SECTION 313. NOTICE: THIS PRODUCT MAY CONTAIN TRACE AMOUNTS OF ETHYLENE OXIDE, A SUBSTANCE KNOWN TO THE STATE OF CALIFORNIA AS A CANCER HAZARD AND REPRODUCTIVE TOXICANT.

Data Sheet

The information and data contained herein are believed Material Safety The information and date contains Mfg. Co. does not warrant either expressly or by implication the accuracy thereof.

Dela lost ravised 0/1/99 Prep:	ared by Walter	Zwible
[. General	<u>Information</u>	
Chemical Name & Synanyms METHYL ALCOHOL, NETHANOL, WOOD ALCOHOL Chemical Fomily ALCOHOL Proper DOT Shipping Name METHYL ALGOHOL Monufacturer VIKING MFG. CO. Monufacturer's Address 68 MIDDLESEX AYE. NATICK, MA. 01760	Formula CH OH DOT Hozard Classifics FL AMMABLE Manufacturer's Phone (508) 633- Chemitrac Phane Num 1-800-424-	G FLUID offen 5 LIQUID Number
II, Ingr	edients	
Principal Hazardaus Components	Percont	Threshold limit Value (units)
METHYL ALCOHOL CAS_No. 67:56:1	99+z	200_ ppm
ETHYLENE GLYCOL MONOBUTYL ETHER	<13	50 ppm
CAS No. 111-76-2	-	
to the second of		10m of audi ingrot
,	######################################	BOARD OF HEALTH
III. Phys	ical Data	
Beiling Point (*F) 148° F Vapor Pressure (mm Hg.)	Specific Grovity (HiO	0 , 79 1
96 @ 20°C Yapor Density (Air = 1) Solubility in Water	<u>i butyl acetat</u> oH	;e=1
Appearance & Oder		
Clear liquid, slight alcoho	ol odor.	
IV. Fire & Explos	sion Hazard Da	ıta
Flosh Point (Fest Mathed) Tag closed cup 52°F	Auto Ignition Tempera	ture 725°F
Flammable Limits	iEl 6%	UEL 36.5%
Exiloguishing Media Water Spray, Alcohol Foam, CO, Dry C Special Fire Highling Procedures Full protective clothing & self canta	hemical, Any C	lass B Extinguishing Agent
when expanded to yapora or products of Unusual Fire & Explosion Hozords		

NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA

finiting Hearth 2 Flammebulty 1 Reactivity 0 special 0			HEGS Health 2 Flammability 1 Meactifity D Ferronal Francisco B								
Material Safety Data Sheet				DOT HAZARD CLABSIFICATION:* ORH-D							
This MSOS complies with OSHA's Hazerd Communication Standard 29 CFR 1910, 1200 and OSHA FORM 174,				idealty (Teads Name & Used On Label) MISTY ACCUR-SPRAY IT WASP & HORNET KILLER MISDS Number							
MANUFACTUREN'S NAME AMRCP, INC.				434- 2 T							
ADDRES\$ 990 Industrial Park Drivp				EMERGENCY RESPONSE NUMBER: 800-255-3924							
Harletts, Georgia 30062				Date Prepared 2/20/90							
Phone Humber (For Information) (484) 386-3883				Propared By* TRJ/STN							
Emergancy Phone Number (404) 386+3093				NOTICE JUDGEMENT BASED ON INDIRECT TEST DATA							
SECTION 1 - MATERIAL IDENTIF		N A	ND:	NFORM.	ATION					\neg	
COMPOHENTS — Chemical Name, & Common Name (Nazardone Companion) 1% or greater; Carcinogana D. I.e.	or prester)		CASP	(trinber	APPROK. * (#1)"	D&HA PZL (ppm)	TLY (PPM)	CANCINGE NEPTATHOU SQUACE	4	
Methyl ahloraform		ļ	71-5	5-6	04.75	350	. 35	0	ď	_	
Insecticide concentrate including	g: <u>'</u>	_				<u> </u>	l				
Resmothein		10/	53-8	5-8	0.25	HE	HΕ		d		
Carbon dipxide		<u> </u>	24-3	8-9	4	5000	500	iù.	d	_	
Potraloumidistillate		BI	152-4	1-3	11	500	10	10	<u>d</u>	_	
COCKICAS. 43-44-1 decima 71-35-6 1,1,1-1 eight performs 134			- :				Jeww ne nie		Iniciosi D		
	66-50-7 Pringle 61-60-0 States 66-91-7 Selfer Mi-66-6 Flow t Mi-61-6 Hydroc	atte i nite ie As, identi identi	lejd Ita Id :			ВОЛ	RD :	OF I	-T- -T: ALT		
SECTION 2 - PHYSICAL / CHEMI	CAL CH	IAI	RACT	ERISTIC	S						
Belling Point	MA	_	- 10	pecific Gravity (,0 - 1). Cor	Deentrote	Only =			1.190		
Vapor Pressure* PSIG @ 70°F (Astocols) Vapor Density	B5 - 1	.00		rpar Pressure no Hy and Te	(Hon-Arr	04911)			HA	4	
(Alt • 1) Solubility	NE			reparellan Ne() Calar	<u> </u>	•			NE		
In Water Appearence	Insclut) le		i active				Ĺ	No		
and Odor Clbar yell'aw liquid, chl		_			:						
SECTION 3 - FIRE AND EXPLOS									Tii.		
FLAMMARILITY OF DET THA FLAME PROJECTION YEAR (ARROSOLE) NOW-FLAMMAGLE	Aufo-Ign Tempere	ililor Illor						ΝE			
Method Used [High-Aerosole] NA											
Madia Dem, dry chemical, carbon a		_						···-			
Fighting Procedures Self contained breathing	epperati	13									
Unusualfin and Explosion Hexards Do not expose surgeoin to	lemporali	ten	above	130° F or	the gente	pinge may	rupt	ure.			

	434-2
STABILITY Conditions	
Unatable (Open Class, wolding arcs, heat f	
incompetabili, (Makelekela Avak) Strong exidizing agents, reactive metale such as aluminum and magnesium.	
Hazardous CD CD 2, CD, NC1, small amounts of phosogene and chlurine.	
TALANDOUS POLYMENIZATION Conditions	
May popur To Avaid Will Hat Depar None Known	1
SECTION 5 - HEALTH HAZARD DAYA	
PRIMARY ROUTES Inhabition Ingestion Not Hexadous Not Hexadous Primary Information Primary	
ACUTE EFFECTS	. !!
Inheleton Excussive inhalution of vapora can be karmful and may cause beadache, dizzinous, asphyxio,	
aneathetic offects and possible Whodheelpwahees.	··· .
tosenore mile frincion.	
Sain Coniect Possible irritation due to defatting of skin.	1
Ingestion	
Possible chemical postmentia if ampirated into Lunga, Mausea. CHRONIC EFFECTS (Effects due to excessive exposure to the raw materials of this mixture) they cause cordiac suppressity, lives absorved titles, attack and/or lung demage:	
May couse cording sunormality, liver abnormalities, kidney and/or lung damage:	
Medical Conditions Generally Aggravated by Especials Hay aggravate existing Eya, akin, or upper respiratory conditions.	
EMERGENCY FIRST AID PROCEDURES -	
Flush with water for 15 minutes. If irritated, and physician.	#
Skin Contact Wash with samp and water. If irritated, see physician.	
inhadallon Remove to fresh air. Respecitate if necessary. Get medical mid.	
INDUSTRIAL DO NOT INDUCE VONETING. CALL PRYSICIAN OR POISON CONTROL CENTER EMMEDIATELY.	
SECTION 6 - CONTROL AND PROTECTIVE MEASURES	
Respiratory Protection (Research Trees) If vapor conc. excreds 11.0, use respirator approved by U.S. Bureau of Mines for promits vap Franctive Clores Fig. Protective Clores	or
Neoprena nioves reconnended Sniety glasses recommended	—-∦
VENTILATION Adequate ventilation to keep vapor concentration below ILV.	
Other Protection	1
Mysteric Work	
Preclaim - Wach with soop and water before handling food. Remove continuated clathing. SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDUF	ES
Eleps to be Taken II Melertal	
to Spilled Or Released Absorb with suitable medium. Incinerate or landfill according to local, state.	
or federal regulations. Do not flush to sewer.	
Wastr Disposal Acrosol came when vented to atmospheric pressure through normal use, pase no	
disposal hazord.	
frecevions to be Taken In Handling and Storage Do not puncture or incinerate containers. Du not store at temperatures shown 13	o'r.
<u> </u>	
Other Precedions and for Epecial Materias . Avoid Tood contemination. KCEP DUT OF REACH OF CHILDREN. Avoid plustics.	
, Avoid broathing vapors.	i

We believe the statements, technical information and recommendations contained herein are reliable, but they, are given without warranty or guarantee of any kind, express or implied.

			, .	-	
Material Salely Data Sheet	•	U.S. Depai	iment of Lab	or	//
day be used to comply with	•		safesy and Health .	Adminisuation	~\\ <u>\</u>
OSHA's Hapaid Communication Standard, 79 CFR 1910.1700, Standard must be	-	(Non-Mandate	~		
consumed for specific requirements.		Form Approx			
	·	DMB No. 1218	· · · · · · · · · · · · · · · · · · ·		
DESCRIPT (AS USES ON LASO) AND LOSS K) TCHEN KLENZER DISINFECTA	ANT	Acte: Distributed in information	ns em nos permited. A consider, no upo	CATA ten & most you 3. Or become orl leans on	Kairt, or no indicate that,
Section 1 🕡	.				
Manufacturer's Hang		Emergency Telep		•	
FITZPATRICK BROS., INC.			727-3300		
Andrews Physics, Street, Cay, Style, and ZIP Co.	* *)		er for Information		
625 N. SACRAMENTO BLVD.		Date Prepared	727-5300	· - ····	
CHGO, 11. 60612	•	1 '	. nc		
C.MO(72. 10077		Signature of Pre	<u> -EK </u>		
		5-gazture st fre			
Section II — Hazardous lagredients/le	dentity information	, 'l'	·		
Hazardous Components (Specific Chemies) Ident	hy: Common Hame(s))	OSHA PEL	ACGIR TLV	Other Limes Recommended	46 (ggiana
				*	
NONE					
NO HAZARDOUS	INGREDIENTS R	EGULATED BY	THE MASSAC	HUSETTS	
RIGHT TO KNOW LAW.				•	
<u> </u>				· · · · · · · · · · · · · · · · · · ·	
		•		Table 1	
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<u></u>	·· , · , , , ,			BOARD (15-11-01
				Coount (7. 13EW I
Section III - Physical/Chemical Char	acteristics		· · · · · ·	 	
Boiling Pain		Specific Gravity	(r - C-H)		1
	4/4		,		1976
Vapon Francoir (ora Hp)		Mitting Pean.		,	1
	16/10	<u>. </u>			R/A
Vapor Density (AIH • 1)	N/A	Evaporation Rati			N/A
Solubility in Visites PARTTALY SOLUBLE	. <u>- 1, </u>	1.1			J
Applicationee and Odoi					·-
GREEN POWDER, ODOR.				<u> </u>	<u>.</u>
Section IV - Fire and Explosion Has	ard Deta				· · · · · ·
Flash Point (Method Hwe)		Flammable Line		LEL	UEL
N/A ·	<u></u>	N/.	<u>^</u>	N/A	N/A_
Extinguishing Media					
NO FIRE OR EXPLOSIVE HAZI Special Fire Eighting Procedures	RIG)				
. NOVE					
					
Honeral Fun and Casterna Manual		`		 	

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Section V -	Resettilly Date				
Suciny	Unstable	Ţ	Conditions to Avoid	-	
	Stable	-	<i></i>	7/010	COMINCT MIN 9C102
incompatibility (Meterials to Avoid))X			
Bullindows Decom	nposition of Byperco		<u>.</u>	·	
Karardous	May Occur		Condeions to Avoid		
Polymentalism	Will Mex Occur	-			
Pastine M	L	ļx	R/A		-
Section Vs — Fourt(s) of Entry	Realth Hazard	Date Non7		·	<u> </u>
		51601	51	in?	Ingestion?
5CQ	REING POWDER	45.Y	SE HARDFUL IF SWALL	ONED	AND 15 INJURIOUS TO THE EYES.
			IT OF ZMITATING TO		
Careinopenicity:	1877				<u> </u>
		<u> </u>		RC Mon	ographs? OSHA Regulated?
· .					
Signs and Sympt	oms of Exposure	:Cvt	NE		
· · · · · · · · · · · · · · · · · · ·					
Trestal Condition Controlly Appear	ns eled by Exposure	N°s	NF		
			·		
Emergency and I	list Aid Procedures		THE CASE OF S	Out of	NATION AND AND ADDRESS CONTACT A PARCE
AND FLUS	H THOROUGHLY	E) 7.			PERSITS, SEE A PHYSICIAN. IN-CASE OF
Section VII -	Precautions in	n Šal			11.4, C+11. 1 DOGTOR.
Sure to Bo Take	n in Case Manual I	File	SIG OF Spire CLEAN UP PROCEDURE		•
	- 100	W.W.F	CLUMY OF PROCEEDING	.5_	
			· · · · · · · · · · · · · · · · · · ·		
Waste Disposal N	Aeronal				<u></u>
· · · · · ·		VF ()2	M TO STATE AND LOCA	L RE	SULATIONS
Frecausions to Be	· Taken in Handkop	see Si	Otion		
			DRY STO	DRAGE	AREA
Outer Presention	 				<u> </u>
Cart Pleathaba	KEEP OUT	OF R	EACH OF CHILDREN.		•
-					
	- Control Mees	uies			
IF DUSTY,	cion (Specily Type) NEAR MASK		•		
Ventilation	Local Exhaust N	ATUR	AL.		Specia)
	Methanical (Genera	9			Other
Protective Gloves	OPT (ONAL		· -	Eye Pı	plection .
Other Protective	Civiling or Equipme	rid		·	WEAR GOGGLES, IF NEEDED
Wodenlypienic Pr	actices				
·		.	, Pag		
	-				# #2.07.02944C- 271-559/45773

fatorial Safe	ity Data Sheet	:	House of But after the County of the County
SECTION Í - IDENTITY			BOARD OF HE
PERMA Incorporated 605 Springe Road Bedford, MA. 01730 **Telephone Number for Information 500/667-5161 Date Prepared 01/15/91 Propared By A. Vadasz		Ra lity ty Protectio	ardous
SECTION-II - HAZARDOUS INGREDIENTS ! Hazardous Components PEL	TWA STEL	Other L	imita %
CAS Reg# ppm 2-HUTOXYETHANOL # 111-75-2 50 ETHANOLAMINE # 141-43-5 3	ррш ррш 25 3 б		(opt) < 30 < 20
*LISTED CHEMICAL SUBJECT TO REPORTING SECTION IXI - PRYSICAL/CHEMICAL CHAR Bolling point - 215F Spe Vapor Ptensure (mm Hg) - 16.0 Mel	ACTERISTICS dific Gravity ting Point	(Water=1)	- 1.08 - N.A.
SECTION III - PRYSICAL/CHEMICAL CHAR Boiling point - 215F Spe Vapor Pressure (mm Hg) - 16.0 Mel Vapor Density (air=1) - 1.2 Eva Viscosity (CPS) - 12.5 Dec	ACTERISTICS offic Gravity ting Point poration Rate omposition Te ubility in Wa LIQUID, DETER	(Water=1) {Butyl Ace sperature ter ~CO	
SECTION XXX - PRYSICAL/CHEMICAL CHAR Boiling point - 215F Spe Vapor Pressure (mm Hg) - 16.0 Mel Vapor Density (air=1) - 1.2 Eva Viscosity (CFS) - 12.5 Dec Auto Ignition Temp NA. Sol pH - 11-13+/- Appearance and Odor - THIN, YELLOW	ACTERISTICS offic Gravity ting Point poration Rate omposition Te ubility in Wa LIQUID, DETER RD DATA Flammab LEL -	(Water=1) {Butyl Ace mperature ter -CO GENT ODOR le Limits N.A. U	- 1.08 - N.A. tate=1) - 0.25 - NA.
SECTION III - PRYSICAL/CHEMICAL CHAR Boiling point - 215F Spe Vapor Pressure (mm Hg) - 16.0 Mel Vapor Density (air=1) - 1.2 Eva Viscosity (CF8) - 12.5 Dec Auto Ignition Temp NA. Sol pH - 11-13+/- Appearance and Odor - THIN, YELLOW SECTION IV - FIRE AND EXPLOSION HAZA Flash Point - ABOVE 200 F TCC Extinguishing media -NATER SPRAY	ACTERISTICS cific Gravity ting Point poration Rate composition Te ubility in Wa LIQUID, DETER RD DATA Flantab LEL - INERS WITH WA	(Watex=1) (Butyl Ace mperature ter -CO GENT ODOR le Limits N.A. U	- 1.08 - N.A. - 0.25 NA. MPLETE
SECTION III - PRYSICAL/CHEMICAL CHAR Boiling point - 215F Spe Vapor Pressure (mm Hg) - 16.0 Mel Vapor Density (air=1) - 1.2 Eva Viscosity (CF8) - 12.5 Dec Auto Ignition Temp NA. Sol pH - 11-13+/- Appearance and Odor - THIN, YELLOW SECTION IV - FIRE AND EXPLOSION HAZA Flash Point - ABOVE 200 F TCC Extinguishing media -NATER SPRAY Fire Fighting Procedure - COOL CONTA	ACTERISTICS cific Gravity ting Point poration Rate composition Te ubility in Wa LIQUID, DETER RD DATA Flantab LEL - INERS WITH WA	(Watex=1) (Butyl Ace mperature ter -CO GENT ODOR le Limits N.A. U	- 1.08 - N.A. - 0.25 NA. MPLETE
SECTION XXX - PRYSICAL/CHEMICAL CHAR Boiling point	ACTERISTICS cific Gravity ting Point poration Rate composition Te ubility in Wa LIQUID, DETER RD DATA Flantab LEL - INERS WITH WA CONTAINERS M SPARKS AND OF	(Watex=1) (Butyl Ace mperature ter -CO GENT ODOR le Limits N.A. U	- 1.08 - N.A. - 0.25 NA. MPLETE

The information herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results to be obtained from use thereof.

Resentially similar to OSNA form # 174

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PAGE 2 1118
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SECTION VI - HEALTH HAZARD DATA Routes of entry: Inhalation - XES Skin - YES Ingestion - YES Realth Harards-Acute: CAUSES CHEMICAL BURNS TO EYES, SKIN AND BUCOUS MEMBRANES. CHRONIC: REDNESS OF SKIN, DERMATITIS, HEMOGLOBINURIA TARGET ORGANS: LIVER, KIDNEYS, SKIN, EYES Carcinogenicity: NO TARC Monographs - N.A. OSMA Regulated - NO Signs and Symptoms of Exposure - ITCHING, BURNING SENSATION, REDNESS OF EKIN, DURNING OF EXES Modical Conditions Aggravated - SENSITIZED SKIN, RENAL DEFICIENCY Emergency and First hid Procedures -WASH CONTACT AREAS WITH PLENTY OF WATER: 15 HINDTES, INGESTION: GIVE HILK, WAPER OR CITRUS JUICE, INDUCE VONITING WITH OIL OF IECAC, MOVE SUBJECT TO FRESH AIR. CALL PHYSICIAN IMMEDIATELY SECTION VII - PRECAUTIONS FOR BAFE HANDLING AND USE Steps to be Taken in Case Material is Released or Spilled - DIKE AND COLLECT MATERIAL INTO PLASTIC CONTAINER. MATER RINSE AND DRAIN, PLUSH SMALL AMOUNTS. (BIODEGRADABLE) Waste Disposal Method - USE SANITARY LAMBFILL DISPOSAL. (NOT A HAZARDOUS WASTE) FOLLOW STATE AND LOCAL REGULATIONS (RCRA; SUBTITLE D) Procautions to be Taken in Handling and Storage - DO NOT MIX WITH OTHER CHEMICALS.

AVOID PROLONGED CONTACT, RESP FROM FREEZING AND EXCESSIVE HEAT. Other Precautions - Store IN SECURE AREA, AVOID FOOD OR FEED CONTAMINATION AVOID PROLONGED INHALATION OF VAPORS, KEEP OUT OF RMACH OF CHILDREN! SECTION VIII - CONTROL MEASURES Respiratory Protection - NOT REQUIRED WITH NORMAL USE IN WELL VENTILATED AREA Ventilation Local Exhaust -RECOMMENDED Mechanical -REQUIRED; EXCHANGE EVERY 10-15 MINUTES Special -N.A. Other -ASSURK FRESH AIR CIRCULATION. Protective Gloves -- REQUIRED: RUBBER, PLASTIC - REQUIRED: SAFETY GLASSES, GOGGLES - RECOMMENDED: RUBBER OR PLASTIC APRON, SHOWER, Eye Profection Other Protection Work/Hygienic Practices - DO NOT BET, DRINK PACILITY
WASH "HAND "HANDS/FACE AFTER MORK." SECTION IX - TRANSPORTATION Unit Cont. - 55,30,5,1 GAL, PLASTIC CONT Report Q OSBA - NOT REGULATED Labels
DOT - NOT REGULATED Labels
UN - HIAZARDOUS /X/ CORROSIVE LIQUID-PACKAGING GROUF III Report Oty. (Lbs) - NA Labels - UN-CORROSIVE DOT-NOT REGULATED UN- HAZARDOUS /X/ CORROSIVE LIQUID N.O.S. (ETHANOLAMINE) 8 UN1760

Vendor assumes no responsibility for injury to vendee or third person proximately gaused if reasonable safety procedures are not adhered to as stipulated in the data shoot. Additionally, vendor assumes no responsibility for injury to vendee, or third parsons proximately caused by abnormal use of the material even if reasonable estaty procedures are followed. Further more, vendee assumes the risk in use of the material.

		TOWAR OF BEING PRINCIPAL TO MELECULOR
Material Safe	ty Data Sheat	N 1 5
SECTION I - IDENTITY		POCEU ANTINIA
	#112 POUR & CLING Bugs:	DUMIND OF HEAL
PERMA Incorporated 605 Springs Road Bedford, MA. 01730 Telephone Number for Information	Health Flammability Reactivity Fersonal Protection	2 0 1 1 C
508/667-5161 Date Prepared 01/15/91 Prepared By T. Pitrolffy	4 = Most Hazar Emergency Phone Number 1-800-255-3924 or Poison	
SECTION II - HAZARDOUS INGREDIENTS		
Hazardous Components PEL CAS Reg# mg/m3	TWA STRL Other Liming/m3 mg/m3	its % (opt)
*PHOSPHORIC ACID #7664-39-2 1	1 3	< 15
*1.ISTED CHEMICAL SUBJECT TO REPORTING	REQUIREMENT OF SCT.313 OF	TITLE III.
SECTION III - PHYSICAL/CHEMICAL CHAR	ACTERISTICS	
Vapor Pressure (mm Ng) - 17 Mel. Vapor Density (air=1) - 1 Evap Viscosity (CPS) - 250 Dec	oific Gravity(Water=1) ting Point poration Rate(Butyl Aceta) omposition Temperatura ubility in Water -COMPI ITH FRAGRANCE	- NA.
SECTION IV - FIRE AND EXPLOSION HAZAL	RD DATA	
Flash Point - N.A.	, Flammable Limits LEL - N.A. UEL	- n, a,
Extinguishing media -WATER		
Fire Fighting Procedure - COOL CONTA	INERS WITH WATER	
Fire and Explosion Hazards - NON Fi.	AMMABLE, BUT MAY REACT WIT WITH THE POSSIBLE EVOLUT:	th most metals fon of hydrogen
SECTION V - REACTIVITY DATA		
Stability -STABLE Conditions to Avoid N.A.		
Incompatibility - ALKALINE, MILD STI Hazardous Decomposition or Byproduct	SEL ALUMINIUM	
Mazardous Polymerization - WILL NOT (Conditions to Ayoid - N.A.	DECUR	

The information herein is based on data considered accurate, However, no warranty is expressed or implied regarding the accuracy of these data or results to be obtained from use thereof.
Essentially similar to OSNA form # 174

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SECTION VI - REALTH HAZARD DATA Routes of entry: Inhalation - YES Bkin - YES Inquestion - YES Health Hazards-Acute: CAUSES SEVERE CHEMICAL BURNS TO EYES, SKIN AND MUCOUS MEMBRAMES. CHRONIC: CHEMICAL BURNS AND/OR ULCERATION OF SKIN, MAY PERMANENTLY DAMAGE EYES. TARGET ORGANS: EYES, RESP. SYG., UPPER GI. TRACT, SKIN Carcinogenicity: NO IARC Monographs - N.A. OSHA Regulated - NO Signs and Symptoms of Exposure - REDNESS, IRRITATION OF EYES, SKIN OR MUCCUS MEMBRANES Medical Conditions Aggravated - SENSITIZED SKIN Emergency and First Aid Procedures -IMMEDIATRLY WASH CONTACT AREAS (EYES) WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES. INGESTION: DRINK LARGE AMOUNTS OF WATER OR MILK, CALL PHYSICIAN. SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE Steps to be Taken in Case Material is Released or Spilled - DIKE AND COLLECT MATERIAL INTO PLASTIC CONTAINER. WATER RINSE AND DRAIN, FLUSH SMALL AMOUNTS MEUTRALIZE WITH SODA, ASH OR LINE. (BIODEGRADABLE) Waste Disposal Mothod - DISPOSE OF ACCORDING TO LOCAL, STATE AND PROFRAL HAZARDOUS WASTE REGULATIONS; USE SANITARY LANDFILL. EPA WASTE NO. DO02 Precautions to be Taken in Handling and Storage USE ADEQUATE VENTILATION. DO NOT MIX WITH OTHER CHEMICALS.
AVOID PROLONGED CONTACT. KEEP FROM FREEZING AND EXCESSIVE HEAT Other Precautions - STORE IN SECURE AREA, AVOID FOOD OR FEED CONTAMINATION, RINSE EMPTY CONTAINERS BEFORE DISPOSAL, REEP OUT OF REACH OF CHILDREN! SECTION VIII - CONTROL MEASURES Respiratory Protection - USE IN WELL VENTILATED AREA, FOLLOW DIRECTIONS, AVOID INVALING MIST. Ventilation Local Exhaust -RECOMMENDED Mechanical -N.A. Special -N.A. Other -ASSURE FRESH AIR CIRCULATION, - REQUIRED: RUBBER, PLASTIC - REQUIRED: SAFETY GLASSES, GOGGLES - RECOMMENDED: RUBBER OR PLASTIC APRON, EYE WASH Protective Gloves Eye Protection Other Protection Work/Hygienia Practices - DO NOT EAT, DRINK OR SMOKE NEXT TO MATERIAL. WASH HANDS/FACE AFTER NORK. SECTION IX - TRANSPORTATION 49 CFR Unit Cont. - 55,30,1 GAL.,1 QT. PLASTIC Report Qty. (Lbs) -Labels - CORROSIVE OSHA - IRRITANT Labels DOT - HAZARDOUS /X/ CORROSIVE MATERIAL
UN - HAZARDOUS /X/ CORROSIVE LIQUID, PACKAGING GROUP III CORROSIVE DOT: BAWARDOUS /X/ COMPOUND, CLEANING, LIQUID, CORROSIVE MATERIAL, HA 1768 UN: BAZARDOUS /X/ CORROSIVE LIQUID, N.O.S. (PROSPHORIC ACTD) 8 UN1760 Vendor assumes no responsibility for injury to vendee or third person proximately caused if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Further more, vendee assumes the risk in use of the material.

This MSDS complies with OSHA's Hazard Communication identity (Trade Rama As Used On Label) Standard 29 CFR 1910, 1200 and OSHA FORM 174. MISTY FURNITURE POLISH MADS Humber MANUFACTURER'S NAME AMREP, INC. CHEM TREC: ADDRESS 1-800-424-9300 990 Industrial Park Orive Dale Prepayed 2/20/90 Harietta, Coorgia 30062 Propered By Phone Humber (For Infarmation) IND/SYN . (404) 386-7003 6484) 306+3883 NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION COMPONENTS - Chamical Marine & Common Names
[Mazardouri Components 1th or greater] Descriptions Date or greater) APPROX. DENA ACCIM CARCINGOLA CAS Humber % (m) FEL (ppn YLV (ppm) Pairoleum distillates 68551-15-5 Inchetens 75-ZB-5 12 1000 1900 TELYAN DI TRATIL HOLITER THIS PROJECT HAT CONTAIN ONCO, HE EJSHO SAW THEE HIS SETTION TO CHEMICALS. 20-00-0 feranjerçde 42-56-1 Rethered 15-09-1 totagione entirios - 2644-28-2 Françairos Acid 197-71-1 Ethylina giprot* - 3761-88-8 Silvar nitera BOARD OF HEALTH Pl-44-7 a-Cropal 114-16-1 Fraguer 104-11-1 (41-mer | 18-45-3 | 18-45-4 | 18-45-4 | 18-45-4 | 18-45-4 | 18-45-4 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-45-5 | 18-4 Tereible alter tibere. 76-11-1 free ff SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS Balling Point Specific Greekly (M,D + 1) Concentrate Only : 0.905 Yapar Pressure
PBIG @ 70" F (Aerosoli) Vapor Pressure (Non-Aerosph) Hav. An (mm Kg and Temperature) NA Eroparation Rate RΕ [Air : 1] NE € ofublility Water In Waler Νo Appearence and Odor fragm color, lemon frogrance. SECTION 3 - FIRE AND EXPLOSION HAZARD DATA FLAMMABILITY AS PACUEA FLAME PROJECTION TEST Fiemmeblity Limits is UEL nothingf-oluA Temperature All h by Volume Flash PolnLand Method Used (Man-Arravola) NA Enjinguisties. Foun, dry chemical, carbon diaxide, water fog Special files Fighting Procedurer Stilf contained breathing upparatua Unviguel Fire and Experient winds On not expose perusola to temperatures above 130' f or the container may rupture. 'Cottonel OSHA I Animal

es Carrinoper er Passallas Care nogen

DIARC Mongolaph D Hol Lines

Ruiting - Headin 2 Flammability 2 Reactivity 0 Personal Profession B

ORH-D

DOT HAZARD CLASSIFICATION!

Raidon' Hearts 7 Hammabithy 7 Arequity 0 Special C

Material Safety Data Sheet

SECTION 4 - REACTIVITY HAZARD DATA	
ABILITY Candillons	135- 0
Stable To Avoid To Avoid Stable Open flame, welding area, heat, uparks Stable Open flame, welding area, heat, uparks Stable Open flame, welding area, heat, uparks Stable Open flame, welding area, heat, uparks Open flame, well Open	-
er npersbilly	
Ur effek to Avoid Strong axidizera.	
composition Products 2.	,
AZARDOUS POLYMERIZATION Conditions May occur To Avoid	[]
X Will Not Derus None Known	1
ECTION 5 - HEALTH HAZARD DATA	
FENTRY Standardion Ingestion Atol Hazardous	
CUTE EFFECTS	
Inhalation	
Excessive inhalation of vapors can be bermful and may cause headache, dizziness, apply	K10.
funcathetic effects and possible unconsciousness.	
Slicht treitning	
Akin Contact Stight irritation.	
ingetion Possible chemical pneumonitis if aspirated into jumps. Meusas.	- 1
CHRONIC EFFECTS (Effects due to excessive esposure to the real materials of this mixture) Putrolcum distillate has caused kidney in jury in laboratory salmals. Stonach and intestine irritar addler conductors	.
Addical Conditions Addical Conditions Addical Conditions Addical Conditions Addical Conditions Addical Conditions Addical Conditions Addical Conditions Addical Conditions Addical Conditions Addical Conditions Addical Conditions Addical Conditions Addical Conditions	1
SMERGENCY FIRST AID PROCEDURES -	
Eye Contact	
Flush with mater for 15 eleutes. If irritated, one physician.	
Wash with spop and water. If Ireltated, see physician.	
Remove to fresh sir. Regueritate if necessary. Get medical oid.	-
DO NOT INDUCE VOMITIME, CALL PHYSICIAN IMMEDIATELY.	
SECTION 8 - CONTROL AND PROTECTIVE MEASURES	i. 1
Sesolution Projection	
Respiratory Projection (Specific Projection of the Projection of t	Vapor.
rejective Cloves Lotex, If skin casily irritated. Type Protection Safety glasses recommended	
/ENTILATION Adequate ventilation to keep vanor concentration below N.V.	
wines Protocilies	Из
Distribute and Equipment Mone	
Argument Work Precions Hash with soop and water before handling food. Remove conteminated clothing.	
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCED	URES
Sieps to be Taken h Metensi is Spilled Or Released Absorb with nuitnists madica. Incincrate or landfill occording to local, ata	
or federal regulations. Do not flush to sewer.	
Waite Disposal Methods Aerosol came when vented to etmospheric pressure through normal use, pose to	
disposal huzard.	
Frequitions ig he Token	170°F
in Handling and Blorage Do not puncture or incinerate containers. Do not store at temperatures above	130 1.
Other Precaudione and / or Special Hazards	
Avoid food contamination. RECP DUI OF REACH OF CHILDREN Remove ignition sour	C08.
Avoid breathing vapors.	
	4

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied.

· · · · · · · · · · · · · · · · · · ·	····										
Asting' Health _	Z Flammabally 3 Reactivity 0	_ Benefal _D	HIPITO RAIR	ig" bleatrh_	7 Hemr	-ability_	2. Reset	41 <u>0</u>	Personal	Pistacilon B	
	ial Safety Data		POT	HAZARD (LAMMIT	CATION	l: '	ORH-D			
This MSOS complies with OSHA's Hazard Communication Standard 29 CFR 1910, 1200 and OSHA FORM 174.				Lata 1 ARTI-CHAME RESIDEAL INSECTIFIE							
MANUFACTURER'S NAME				USDS Number'							
APDRESS				CHEM TREC:							
990 Industrial Park Drive				1-800-424-9300 Data Proposed							
	Marietla, Georgia 3806	2	L			8/15/	89				
Phone Number	For Intermation)	·	Proj	pered by		T 4	/51#				
Emergency Phone Humber			- NO	TICE:JUI	DGEME			N INDI	RECT	TEST DATA	
	(404) 386-3083										
	SECTION 1 - MATERIAL IDEN GOWPONINIE - County Print & County (Historian Engineers IV or protos Contingen	TIFICATIO		INFORM	ATION	Advi	I ACCOUNT	Electro o			
	(Malardaya Campunanta II) ar greater Cârticagus	rate to the territory	. ***	MARPH	11-11	rel (pra)	TCOJK	101461 - 711141 HG 5756 IP 40			
		.		 			1				
	Patrolega distillaton (accuracy/Propens bland		8052-	38-2	31,5	500 100p	100	1			
	Programmer		114-		23.634	HC	1600		~		
	n-Octy) bicyclohoglaga digari	eg a Laida	110-		D. 166	MC ML	H.C.		─┤.	•	
	Fyrothria		1003-		b. t)=jm1	300/8	-			
	Figorony) butoutdo		1——	0)-6	0.1	нС	нГ	d			
	Huthel chilafofarm		71-	>>-4	2,	150	350	4			
	(teopropens)			67-63-11 8 4			+00	1 4	DWN GE DURTHIGION		
SECTION	50:000 fatestatign 63:94-1 fetteset 94-497 edepoid 94-497 edepoid 16-45-1 fettesephir 64972 emology lite 94-amilia rateot ethe 12 - PHYSICAL / CHEM	·	plane afte enter enter enter enter ace	og ? 224 264 244 Hylling IGA Hill Achd 13H	terille i Circ	or Hitert Nele Aeld Halait Latituege I Aughtand	erid	BOAI	3D 0	L 1995 F HEALT	
Bolling	T THE OWNER OF LETT	TOAL ON	MINA	Lascine G	ratily						
Point Vapor Pressure	 	NA.		(8,0 • 1)	Conce	ntreta	Daly :		0.9	68	
	PSIG @ 10°F (Aerosols)	Max. 60		Vapol Pressure (Non-Aerosoli)				HA			
Vapor Density (Air = 1)		₩.		Eniposatio	in Kets	· ŋ				NC	
Solubilliy in Water		Insulub	1#	Walte Resclive						No	
Appaerance and Odor C	lear light atram colors	d liquid,	inse		/pine	սրը1 գ	fregr	once	·		
SECTION	13 - FIRE AND EXPLOS	ION HAZ	ZARD	DATA							
PLANHAMLITY (AEADEGLE)E	THE POTUTA PLANE PROJECTION TELY XTREMELY FLANMABLE	Auto-Igni Temperat			mability L by Yolu			LZL	NE	UKT NC	
fluch Point and	d (Nan-Aerosois) IIA									_ 	
Extingulábar Madia	Your, dry chemical, carbon	dloxide									
Special Fire	sures Self contained breathing		·								
		···									
Unutual Fire	nd arda Oo not expose seresols to	topograiu	res abr	ne 138' C	Or 12-						
					or the	- conta	23161 84	X EINOL	uto		
*Oplional			* Ch	of cat tasta d		1		rin			
	•			Heinager Bi		HTP			SHA	Animal D	

	·— · · · · · · · · · · · · · · · · · ·
SECTION 4 - REACTIVITY HAZARD DATA	425-8
STABILITY Conditions Of Stable To Avoid	
Unelebie Open Clame, wolding ares, heat, sparks	
(Missellate to Avoid) Hater, reactive metals, pluminum, man	nesium, potoanium, codium, alkalis, atrong oxidizing
Discomposition Products 2, CO, IRC1, until amounts of pho	
HAZARDOUS FOLYMENIZATION Conditions To Avoid	+
A Will Hot Occur Rone Known	<u></u>
SECTION 5 - HEALTH HAZARD DATA	
PRIMARY ROUTES Inheletton Ingestion OF ENTRY Inheletton Eye	Not Hezardoun i
ACUTE EFFECTS	
Inhelation Excessive inhuintion of venors can be in	remful and may cause headache, dizzlaces, asphyxio.
encapacity offects and possible unconsci	DU\$00231
Irrithlian	
Asin Conject Possible mild irritation due to defatting o	fakin.
ingertion Possible chemical procumentlis is accirated into to	nam. Nousea.
CHRONIC EFFECTS Illiants due le excessive exposur sumerinitation, control narvous system degre	ngm. Annigen. e to the row materials of this mixture May cause cardiac salon, lung, kidnay. Liver demoga,inhibits chalinesternse,
Vedice: Condition: Generally Aggressiad by Espassia Hay aggravate existing a	ye, skin, or upper respiratory conditions.
EMERGENCY FIRST AID PROCEDURES	
Clush with water for 15 minutes. If i	rritated non shumbalan
tik Control Hagh with spap and water. If irritate	
Hemove to fresh wir. Hesuscitete if m Ingentian Atroping sulfate untidotal. Call physician immediately. Trent like typical organi	econserv. Get modical aid.
SECTION 6 - CONTROL AND PROTECTIV	
<u> </u>	
Projective Gloves	of approved by U.S. Burner of flines for ereable wanne.
Matther gloves recommended.	Safety plasses reconsended
VENTILATION Adequate ventilation to know vapor REQUIREMENTS	epocealration below ILV.
Ditter Protective Clothing and Equipment None	
Nonicole Wark	
	ANDLING AND USE / LEAK PROCEDURES
Siege to be Telen if Majerial	The state of the s
	Incinerate or landfill according to local, state,
or (ederal regulations. On not	Flush to comer.
Wails Oliposal Writingdo Aerosol come whom vented to at	respinente pressure (hrayy) norma) usa, pose no
d(npoan) hazard.	
Freezillans to be Taken In Handling and Blorage — Do not puncture or incinerate	containers. Do not store at temperatures above 130°C.
Other Precentions and for Special Hazards Avoid food contamination. K(E)	DULLIN HEACH OF CHILDREN. Remove Ignition sources.
The same content of the	wor as meson or emptinger, someone right viole sources.

Avaid breathing vaporaWe believe the statements, technical information and recommendations contained herein are reliable, but they

Material Safety Data Sheet

NAMES TO SECOND ASSESSMENT OF THE PROPERTY OF	#20 PERMA TILE Hazardous -NO
PERMA Incorporated 605 Springs Road Bedford, MA. 01730	Sealth 1 Flammability 0 Reactivity 0 Personal Frotection B
Telephone Number for Information 508/667-5161 Data Prepared 01/13/91 Prepared By T.Pitrolffy	4 = Most Hazardous Emorgency Phone Number 1-800-255-3924 or Feison Center
SECTION II - HAZARDOUS INGREDIENTS	
Hazardous Components PEL CAS Regii	TWA STEL Other Limits % (opt)
lefined in 29 CFR 1910,1200 and M.G.L. c. 111F	•
ONTAINS: GLYCOL ETHERS* CHEMICAL CATEGORY SUBJECT TO REPORTI	NG REQUIREMENTS OF SEC.313, TITLE III.
SECTION III - PHYSICAL/CHEMICAL CHAR	acteristics
Vapor Pressure (mm Hg) ~ 18 Mel Vapor Density (air=1) - 1.1 . Eva Viscosity (CPS) - 12.5 Dec	cific Gravity(Water=1) - 1.04 ting Point - NA. poration Rate(Duty1 Acetate=1) - 0.36 composition Temperature - NA> ublity in Water -Complete
SECTION IV - FIRE AND EXPLOSION HAZA	RD DATA
Flash Point - None	Flammable Limits LEL - NA UEL - NA
Extinguishing madia -NA	•
	-
Fire Fighting Procedure - NA (
Fire Fighting Procedure - NA	4
Fire and Explosion Hazards - NA	OCA 1 EP-
	BOARD OF HE

The information berein is based on data considered accurate. However, no marranty is expressed or implied regarding the accuracy of these data or result to be obtained from use thereof.

Essentially similar to OSHA form # 174

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SECTION VI - REALTH HAZARD DATA

Routes of entry: Inhalation - NO

Skin - NO

Ingestion NO

Health Hazarda-Acute: Capaes eye and skin irritation

CHRONIC: Redness of skin

Carcinogenicity: NO NTP - NA I IARC'Monographs - NA

OSHA Regulated - NO

Signs and Symptoms of Exposure - Itching irritating someation

Medical Conditions Aggrevated - NA

Emergency and First Aid Procedures -Wash contact areas with soap, and water INGESTION: Drink milk, water, fruit juice, induce vemiting with oil of ipecac, get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled - Dike, collect material into waterlight container, rinse surface with clear water.

Waste Disposal Method - Use sanitary landfill disposal, (not a hazardous waste) according to federal, state and local regulations. (RCRA, Subtitle \odot D.)

Precautions to be Taken in Mondling and Storage - Do not mix with other chemical, store away from heat, KEEP FROM FREEZING.

Other Precautions - KEEP AWAY FROM CHILDREN

SECTION VIII - CONTROL MEASURES

Respiratory Protection - Not required with normal use.

Ventilation

Local Exhaust -NA

Mechanical - -NA

Special -NA

Other

-Assure fresh air circulation-

Protective Gloves
Eye Protection
Other Protection
Other Protection
Other Protection
Other Protection
Other Protection
Other Protection
Other Protection
Other Protection
Other Protection
Other Protection
Other Protection

Work/Hygienic Practices - Do not est or drink next to material, wash hands after work.

SECTION IX - TRANSPORTATION

Unit Cont. - 55,30,5,1 GAL. PLASTIC CONT

Report Cty. (Lbs) -Labels - NO.

NA.

OSHA - NOT REGULATED DOT - NOT REGULATED UN - NOT REGULATED

Vendor assumes no responsibility for injury to vendoe or third person proximately daused if reasonable safety procedures are not adhered to as atipulated in the data sheet, Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Further more, vendee assumes the risk in use of the material.

Material Safety Data Sheet

SECTION I - IDENTITY	· · · · · · · · · · · · · · · · · · ·
3	#66 HIGH SPEED MAINTAINER
PERMA Incorporated 605 Springs Road Bedford, MA. 01730	Realth 1 1 1 1 1 1 1 1 1
Telephone Number for Informat. 508/667-5161 Date Prepared 01/13/91 Prepared By T.Pitrolffy	
SECTION II - HARARDOUS INGRED	IENTS
Hazardous Components , CAS Rag#	PEL TWA STEL Other Limits & (opt)
Not a hezardous mixture, as defined in 29 CFR 1910,1200 and M.G.L. c. 111F	•
CONTAINS: GLYCOL ETHERS* *CHEMICAL CATEGORY SUBJECT TO	<4 REPORTING REQUIREMENTS OF SEC.313, TITLE III
SECTION III - PHYSICAL/CHEMIC	AL CHARACTERISTICS
	Specific Gravity(Water=1) - 1.02
Vapor Pressure (mm Hg) - 18 Vapor Density (dr=1) - 1.1 Viscosity (CR8) - 15 Auto Ignition Temp N.A pH - 8.5 +/-5 Appearance and Odor - Trans	Mediting Point - NA. Evaporation Rate (Butyl Acetate=1) - 0.36 Decomposition Temperature - N.A. Solubility in Water -Complete parent Blue Liquid, Bouquet Odor
Vapor Pressure (mm Hg) - 18 Vapor Density (air=1) - 1.1 Viscosity (CPS) - 15 Auto Ignition Temp N.A pH - 3.5 +/5	Mediting Point - NA. Evaporation Rate (Butyl Acetate=1) - 0.36 Decomposition Temperature - N.A. Solubility in Water -Complete parent Blue Liquid, Bouquet Odor
Vapor Praesure (mm Hg) - 18 Vapor Density (air=1) - 1.1 Viscosity (CP8) - 15 Auto Ignition Temp N.A pH - 8.5 +/-5 Appearance and Odor - Trans	Mediting Point - NA. Evaporation Rate (Butyl Acetate=1) - 0.36 Decomposition Temperature - N.A. Solubility in Water -Complete parent Blue Liquid, Bouquet Odor
Vapor Pressure (mm Hg) - 18 Vapor Density (dir=1) - 1.1 Viscosity (CP8) - 15 Auto Ignition Temp N.A pH - 8.5 +/-5 Appearance and Odor - Trans	Melting Point Evaporation Rate (Butyl Acetate=1) - 0.36 Decomposition Temperature - N.A. Solubility in Water -Complete parent Blue Liquid, Bouquet Odor ON HAZARD DATA Flammable Limits
Vapor Pressure (mm Hg) - 18 Vapor Density (air=1) - 1,1 Viscosity (CPS) - 15 Auto Ignition Temp N.A pH - 8.5 +/5 Appearance and Odor - Tranup SECTION IV - FIRE AND EXPLOSIC	Melting Point Evaporation Rate (Butyl Acetate=1) - 0.36 Decomposition Temperature - N.A. Solubility in Water -Complete parent Blue Liquid, Bouquet Odor ON HAZARD DATA Flammable Limits
Vapor Pressure (mm Hg) - 18 Vapor Density (dir=1) - 1.1 Viscosity (CP8) - 15 Auto Ignition Temp N.A pH - 8.5 +/5 Appearance and Odor - Trans SECTION IV - FIRE AND EXPLOSE Flash Point - None Extinguishing media -NA	Mediting Point Ewsporation Rate (Butyl Acetate=1) - 0.36 Decomposition Temperature - N.A. Solubility in Water - Complete Parent Blue Liquid, Bouquet Odor ON HAZARD DATA Flammable Limits LEL - NA UEL - NA
Vapor Pressure (mm Hg) - 18 Vapor Density (air=1) - 1.1 Viscosity (CPS) - 15 Auto Ignition Temp N.A pH 0.5 +/5 Appearance and Odor - Transs SECTION IV - FIRE AND EXPLOSION Flash Point - None Extinguishing media -NA Fire Fighting Procedure - NA	Mediting Point Ewsporation Rate (Butyl Acetate=1) - 0.36 Decomposition Temperature - N.A. Solubility in Water - Complete Parent Blue Liquid, Bouquet Odor ON HAZARD DATA Flammable Limits LEL - NA UEL - NA
Vapor Pressure (mm Hg) - 18 Vapor Density (air=1) - 1,1 Viscosity (CPS) - 15 Auto Ignition Temp N.A pH - 8.5 +/5 Appearance and Odor - Transs SECTION IV - FIRE AND EXPLOSION Flash Point - None Extinguishing media -NA Fire Fighting Procedure - NA Fire and Explosion Harards -	Mediting Point Evaporation Rate (Butyl Acetate=1) - 0.36 Decomposition Temperature - N.A. Solubility in Water - Complete parent Blue Liquid, Bouquet Odor ON HAZARD DATA Flammable Limits LEL - NA UEL - NA

warranty is expressed or implied regarding the accuracy of these data or results to be obtained from use thoreof.

Essentially similar to OSBA form # 174

Routes of entry: Inhalation - NO

Skin - No

Ingastion - NO

Realth Hazards-Aouto: Causes eye and skin irritation CHRONIC: Redness of skin

Carcinogenicity: NO IARC Monographs - NA

OSMA Regulated - NO

Signs and Symptoms of Exposure - Itching irritating sensation

Medical Conditions Aggravated - NA

Emergency and First Aid Procedures -Wash contact areas with scap and water INGESTRONIDEINK milk, water, fruit juice, induce vemiting with oil of ipecac, get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released on Spilled - Dike, collect material into watertight container, ringe surface with clear water.

Waste Disposal Method - Use sanitary landfill disposal, (not a hazardous waste) according to federal, state and local regulations. (RCRA, Subtitle D.7

Precautions to be Taken in Handling and Storage - Do not mix with other chemical, store away from heat. KEEP FROM FREEZING.

Other Frecautions - KEEP AWAY FROM CHILDREN

SECTION VIII - CONTROL MEASURES

Respiratory Protection - Not required with normal use.

Ventilation Local Exhaust -NA

Mechanical

Special -NA

Other

-Assure fresh air circulation

Frotective Gloves
Eye Protection
Other Protection
Other Protection
NECONNENDED: Safety glasses

Work/Hygienic Practices - Do not eat or drink most to material, wash hands after work.

SECTION IX - TRANSPORTATION

Unit Cont. - 55,30,5,1 Gal. Plastic Cont. OSHA - NOT REGULATED DOT - NOT REGULATED UN - NOT REGULATED

Report Qty. (Lbs) - N.A. Labels - None

Vendor assumes no responsibility for injury to vendes or third person proximately caused if reasonable safety procedures are not adhered to as athpulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendes or third persons proximately caused by abnormal nos of the material even if reasonable safety procedures are followed. Further more, vendes assumes the risk in use of the material.

Material Safety Data Sheet

SECTION I - IDENTITY	
PERMA Incorporated	#111 LAVATROL . Hezardous - Yes .
605 Springs Road Bedford, MA. 01736	Health 2 Flammability 0 Reactivity 1 Personal Protection C
Telephone Number for Information 508/657-5161 Data Prepared 01/15/91 Prepared By T. Fitrolffy	4 = Most Hazardous Emergency Phona Number 1-800-255-3924 or Polson Center
SECTION II - HAEARDOUS INGREDIENTS	
Hazardous Components. PEL Ch9 Rag# mg/m3	TWA STEL Other Limits & mg/m3 mg/m3 mg/m3 (opt)
*PROSHORIC ACID #7664~38 1 *HYDROGEN CHLORIDE #7647~01~0 N.A. OXALIC ACID #144-62~7 1	CEILING, 1 3
*LISTED CREMICAL SUBJECT TO REPORTING	REQUIREMENT OF SCT.313 OF TITLE III.
SECTION III - PHYSICAL/CHEMICAL CHARA	CTERIBTICS
Vapor Pressure (mm Hg) - 18.5 Melt Vapor Density (mir=1) - 1.1 Evap Viscosity (CPS) - 5 Deco	### 1.04 Gravity (Water=1) - 1.04 ing Point - N.A. Oration Rate (Butyl Acatate=1) - 0.2 imposition Temporature - NA. dblity in Water - COMPLETE
SECTION IV - TIRE AND EXPLOSION HAZAR	D DATA
Flash Point - N.A.	Finamable Limits LEL - N.A. USL - N.A.
Extinguishing media -MATER	
Fire Fighting Procedure - COOL CONTAI	Merš with water ,
Fire and Explosion Hazards - NON FLA ON LONG CONTACT,	MMABLE, BUT MAY REACT RITH MOST METALS WITH THE POSSIBLE EVOLUTION OF HYDROGEN
SECTION V - REACTIVITY DATA	E
Stability -STABLE Conditions to Avoid N.A.	
Incompatibility - ALKALINE, CHLORINE Hazardous Decomposition or Byproduct	AND CELLULOSE DASED MATERIALS .
Hazardous Polymerization - WILL NOT Conditions to Avoid - N.A.	CCUR
The information herein is based on dat warranty is expressed or implied regar to be obtained from use thereof.	a considered accurate, However, no ding the accuracy of these data or rem

TOWN IN COLUMN D

PAGE 2 #111

SECTION VI - REALTH BARARD DATA

Routes of entry: Inhalation T YES

Skin - YES

Health Hazards-Acute: Causes severe Chemical Rudns to Eyes, skin and Mucous Membranes. Chronic, Chemical Burns and/or ulceration of skin, May Perma-Nently Damage Eyes, Target Organs: Eyes, Resp., Sys., Upper Gi. Tract, Skin

Carcinogenicity: NO NTP - N.A. IARC Monographs - N.A.

OBHA Regulated - NO

Signs and Symptoms of Exposure - REDNESS, IRRITATION OF EYES, SKIN OR MUCOUS MEMBRANES

Medical Conditions Aggravated - SENSITIZED SKIN

Emergency and first Aid Procedures - IMMEDIATELY WASH CONTACT AREAS (EYES) WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES.
INGESTION: DRINK LARGE AMOUNTS OF WATER OR HILK, CALL PHYSICIAN.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled - DIKE AND COLLECT MATERIAL INTO PLASTIC CONTAINER. NATER RINSE AND DRAIN, FLUSH SMALL AMOUNTS.NEUTRALIZE WITH SODA, ASH OR LIME. (BIODEGRADABLE)

Waste Diaposal Method - DISPOSE OF ACCORDING TO LOCAL, STATE AND FEDERAL HAZARDOUS WASTE REGULATIONS, USE SANITARY LANDFILL. EPA WASTE NO. DOG2

Procautions to be Taken in Handling and Storage USE ADEQUATE VENTILATION, DO NOT MIX WITH OTHER CHEMICALS.
AVOID PROLONGED CONTACT, KEEP FROM PREEZING AND EXCESSIVE HEAT

Other Precautions - Store in Secure Area, avoid food on Feed Contamination, Rinse Empty: Containers Before Disposal. Keep out of Reach of Children I

SECTION VIII - CONTROL MEASURES

Respiratory Protection - USE IN WELL VENTILATED AREA, FOLLOW DIRECTIONS, AVOID INHALIRS MIST.

Ventilation

Local Exhaust -RECOMMENDED

Mechanical -N.A.

Special

-N.A.

Other ... -ASSURE FRESH AIR CIRCULATION.

Protective Gloveq: - REQUIRED: RUBBER, PLASTIC
Eye Protection - REQUIRED: SAFETY GLASSES, GOGGLES'
Other Protection - RECOMMENDED: RUBBER OR PLASTIC APRON, BYE MASK

Work/Hygienic Practices - DO NOT EAT, DRINK OR SMOKE NEXT TO MATERIAL.
WASH HANDS/FACE AFTER WORK,

SECTION IX - TRANSPORTATION

Unit Cont. - 55,30,1 GAL.,1 QT. PLASTIC IRRITANT

Report Qty. (Lbs) --Labels -- CORROSIVE

DOT: HAZARDOUS /X/ COMPOUND, CLEANING, LIQUID, CORROSIVE MATERIAL, NA 1789 UN: HAZARDOUS /X/ CORROSIVE LIQUID, N.O.S. (HYDROGEN CHLORIDE) 8 UN1760 -

Vendor assumes no responsibility for injury to vendee or, third person proximately caused if reasonable safety procedures are not adhered to as stipulated in the data sheat. Additionally, vendor assumes no responsibility for injury to vendoe or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Further more, vendee assumes the risk in use of the material.

Material Safety Data Sheet

TOTAL OF BOREING ON

Hazardous -YES

Urethane Finish #550/555

PERMA Incorporated 605 Springs Road Bedford, MA. 01730

SECTION 7 - IDENTITY

Roslth Flammability Reactivity Personal Protection

Talephone Number for Information 508/667-5161 Date Prepared

01/16/97 Prepared By A. Vadasz

4 = Most Rezardous Emergency Phone Number 1-800-255-3924 or Polson Center

SECTION II - HAZARDOUS INGREDIENTS

· <u> </u>	Hazardous Components CAS Reg#	bbw brr	TWA ppm	STEL	Other Limits	(opt)
Stoddard	Solvent CAS# 8052 - 41 - 3	500	100			< 60

*LISTED CHEMICAL SUBJECT TO REPORTING REQUIREMENT OF SCT.313 OF TITLE III.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point - 350F Specific Gravity(Water=1) - 0.85 Vapor Freezure (wen Hg) - 1.5 Moliting Point - N.A. Vapor Density (alx=1) - 4.5 Evaporation Rate(Butyl Acetate=1) - 0.08 Viscosity (CPS) - NA Decomposition Temperature - NA. Decomposition Temperature - NA. Solubility in Water - NEGLIGIBLE PAPPEAR AND ADDRESS AND A			
	Vapor Pressure (wtm Hg) Vapor Density (air=1) Viscosity (CPS) Auto ignition Temp. pn - N.A. +/-	- 1.5 - 4.5 - NA - NA	Melting Point N.A. Evaporation Rate (Butyl Acetate=1) - 0.08 Decomposition Temperature - NA. Solubility in Water -NEGLIGIBLE

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point - TCC 140 F

Flammable Limits 0.7 UEL - 6.0

Extinguishing media -CO2, FOAM, DRY CHEMICAL

Fire Fighting Procedure - COOL CONTAINERS WITH WATER, USE SELF CONTAINED BREATHING APPARATUS, BURNING PRODUCT IS TOXIC

Pire and Explosion Bazards - CLOSED CONTAINERS MAY BURST WHEN EXPOSED TO EXTREME HEAT. ISOLATE FROM HEAT, SPARKS, OPEN FLAME.

SECTION V - REACTIVITY DATA

Stability -STABLE Conditions to Avoid HEAT, SPARKS, OPEN FLAME

Incompatibility - STRONG OXIDIZING AGENTS.

Harardous Decomposition or Byproduct - THERMAL DECOMPOSITION MAY YIELD CAPAGE MANAGERS.

CARBON MONOXIDE. Hazardous Polymerization - WILL NOT OCCUR Conditions to Avoid - N.A.

The information herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results to be obtained from use thereof. Essentially aimilar to OSHA form # 174

PAGE 2 #550/555

SECTION VI - HEALTH HAZARD DATA

Routes of entry: Inhalation - YES

Skin - No

Ingastion - YES

CAUSES EXE IRRITATION, DRYING OF SKIN, DIZZINESS Health Hazards-Acute: CHRONIC: RESPIRATORY TRACT IRRITATION, DERMATITIS TARGET ORGANS: SKIN, EYES, RESPIRATORY SYSTEM

Carcinogenicity: NO

IARC Monographs - N.A.

OSHA Regulated - YES

Signs and Symptoms of Exposure '- IRRITATION AND REDNESS OF SKIN,

Medical Conditions Aggravated - DERMATITIS BRONCHO-PULMONARY PROBLEMS

Emergency and First Aid Procedures -EYELSKIN CONTACT: BLOT WITH TOWEL, FLUSH WITH LARGE QUANTITIES OF WATER. INHALATION: REMOVE TO FRESH AIR. INGESTION: INDUCE VOMITING, GET IMMEDIATE MEDICAL ATTENTION

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Relaced or Spilled - : DIKE AND COLLECT HATERIAL INTO METAL CONTAINER. USE NON-SPARKING TOOLS, USE WATER OR FORM SPRAY TO LESSEN FIRE HAZARD. USE ABSORBENT FOR SMALL SPILL.

Wasto Disposal Method - RECYCLE, INCINERATE, OR USE HAZARDOUS WASTE MANAGE-MENT FACILITY FOR DISPOSAL ACCORDING TO STATE AND FEDERAL REGULATIONS. EPA WASTE NO. DOOL

Precautions to be Taken in Hendling and Storage - COMBUSTIBLE, REEP ARAY FROM HEAT, SPARKS AND OPEN FLAME, USE ADEQUATE VENTILATION, AVOID FRODORGED OR REPEATED CONTACT.

Other Precautions - Store in Secure Area. Dispose of Empty Containers Safely Reep out of Reach of Children

SECTION VIII - CONTROL MEASURES

Respiratory Protection - USE SELF-CONTAINED DREATHING APPARATUS FOR CONCENTRATIONS ABOVE THRESHOLD LIMIT VALUE.

Ventilation Local Exhaust -RECOMMENDED

Mechanical

-REQUIRED; EXCHANGE EVERY 10-15 MIN. . .

Special

-BLOW AIR INTO PITS AND DEPRESSIONS

Other

-ASSURE FRESH AIR CIRCULATION

Protective Gloves - REQUIRED: RUBBER, PLASTIC Type Protection - REQUIRED: SAFETY GLASSES

Eye Protection Other Protection

REQUIRED: SAFETY GLASSES APRON OR SHOP COAT RECOMMENDED

Hork/Hygienic Practices - DO NOT ENT/DRINK OR SHOKE MEXT TO MATERIAL, WASH HANDS/FACE AFTER WORK.

SECTION IX - TRANSPORTATION

49 CFR

Unit Cont. - 55,30,5,1 GAL. METAL CONT. Report COSHA - CLASS II. COMBUSTIBLE LIQUID Labols DOT - COMBUSTIBLE LIQUID-EXEMPT PER 49 CFR 173.116A UN - HAZARDOUS /X/ FLAMMABLE LIQUID-PACKAGING GROUP III

Report Qty. (Lbs) -UN-FLAMMABLE LO

DOT-PAINT, COMBUSTIBLE LIQUID, UN1263 UN- HAZARDOUS /X/ PAINT 3 UN1263

Vandor assumes no responsibility for injury to vendee or third person proximately caused if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Further more, vendee assumes the risk in use of the material.

Material Safety Data Sheet

SECTION I - IDENTITY BOARD OF HE Uzethane Finish #550045% Hazardous -YES PERMA Incorporated 605 Springs Road Bedford, MA. 01730 Health Flammability Reactivity Personal Protection Telephone Number for Information 508/667-5161 4 = Most Hazardous Emergency Phone Number 1-800-255-3924 or Polson Center Date Prepared 01/16/91 Prepared By A. Vadasz SECTION II - HAZARDOUS INGREDIENTS Hazardous Components PRI. THA Other Limits CAS Regi ppm ppm (opt)

100

*ASTERISKED CHEMICAL SUBJECT TO REPORTING REQUIREMENT OF SEC.313 TITLE III.

500

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS
Boiling point - 310F Specific Gravity(Water=1) - 0.87 Vapor Pressure (mm Hg) - 2.0 Maining Point - N.A. Vapor Density (air=1) - 4.5 Evaporation Rate (Butyl Acatate=1) - 0.08 Viscosity (CPS) - NA. Auto Ignition Temp NA. Solubility in Water - NEGLIGIBLE PH - N.A. +/- Appearance and Odor - CLEAR AMBER LIQUID, AROMATIC ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

CAS# 0052 - 41 - 3

Flash Point - TCC 105 P

Stoddard Solvent

Flammable Limits I.KI. -0.7 UEL - 6.D

ters of the parties

< 60

Extinguishing media -CO2, FOAM, DRY CHEMICAL

Fire Fighting Procedure - COOL CONTAINERS WITH WATER.

Fire and Explosion Hazzeds - Closed Containers may burst when exposed to extreme heat. Isolate from heat, sparks and open flame.

SECTION V - REACTIVITY DATA

Stability -STABLE Conditions to Avoid HEAT, SPARKS, OPEN FLAME OR FIRE

Incompatibility - STRONG OXIDIZING AGENTS. Hazardous Decomposition or Byproduct - THERMAL DECOMPOSITION MAY YIELD CARBON MONOXIDE AND DIOXIDE Mazardous Polymerization - WILL NOT OCCUR Conditions to Avoid - N.A.

The information herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results to be obtained from use thereof. Essentially similar to OSHA form # 174

Section III — Physical/Chemical Characle Soung Form Vapor Gressvio (rem rig.) Vapor Onesty (AIR - 1) Solubility in Water Negligible Appearance and Chor Fine, black pouder, adorless Section IV — Fire and Explosion Hazard Flash Point (Method Used) R. A., Entropolating Media Uz. dry chemical, form or unt The Section IV — Procedures This material will burn in t The decomposition products a Unusual fine and Explosed Hazard This material has no unusual	n.a. n.a. n.a.	d NOx.		Notes III	1.1 5.a. 6.a.
Soung Form Vapor Pressure (rem Hg.) Vapor Oensty (ARR - 1) Solubility in Water Negligible Appearance and Odor Fine, black pouder, adorless Section IV — Fire and Explosion Hazard Fish Point (Mentod Used) R. A., Entropolating Media Uz. dry chemical, forwor unt Special Fire Fighting Procedures This waterial will burn in t The decomposition products a Unusual Fire and Explosed Hazards	n.a. n.a. n.a.	Melang Point Evaporation Flage (Gurph Acetate = 1) Flamemable Limits I ra. d NOx.		R. S.	UGL q, a
Soung Form Vapor Gressvic (rem Hg.) Vapor Oursty (AR - 1) Solubnicy in Water Negligible Appearance and Olor Fine, black pouder, adorless Section IV — Fire and Explosion Hazard Fran Form (Method Usec) 1. a. Extingulating Media Cu, Jury chemical, form or unit Special Fire Fighting Procedures This saterial will burn in t	n.a. n.a. n.a.	Melang Point Evaporation Rate [Buryl Acetate - 1] Flammable Limits	7 - 13	R. S.	C. A.
Soung Form Vapor Pressure (rem Hg.) Vapor Oemsty (ARR - 1) Solubility in Water Regligible Spearance and Odor Fine, black powder, odorless Section 1V — Fire and Explosion Hazard Flash Point (Method Usec) R. A. Extingolating Method Social Fire Fighting Procedures Social Fire Fighting Organization	n.e. n.e. n.a.	Melang Point Evaporation Flage (Buryl Acetate = 1) Flammable Univs	7 - 1)	n.s.	C. A.
Soung Form Vapor Greature (rem Hg.) Vapor Gensty (AVR - I) Solubility in Water Negligible Regligible Fine, black pouder, adorless Section IV — Fire and Explosion Hazard Flash Point (Method Used) I. A. Extraoglating Media	n.e. n.e. n.a.	Melong Pdint Evaporation Rate (Butyl Acetate - 1)	7 - 13	LEL n.L.	R.A.
Soung Poins Vapor Pressure (rem Hg.) Vapor Centry (ARR - 1) Solubility in Water Negligible Appearance and Odor Fine, black pouder, odorless Section IV — Fire and Explosion Hezard Fish Point (Menod User)	0.4. 0.4.	Melong Pdint Evaporation Rate (Butyl Acetate - 1)	7 - 13	LEL	R.A.
Soling Form Vapor Preservic (rem Hg.) Vapor Canshy (AR - 1) Solubility in Water Reg ligible Appearance and Oxfor Fine, black pouder, adorless	0.4. 0.4.	Melang Paint Evaporation Rate	7 - 13		R. A.
Soling Point Vapor Pressure (rem Hg.) Vapor Oanshy (AR - 1) Solithikly to Water Reg I i g i bl e Appearance and Odor	П. А. П. А. П. А.	Melang Paint Evaporation Rate	7 - IJ		R. A.
Soung Poins Vapor Pressure (rem Hg.) Vapor Oenshy (ARR - I) Solubility in Water Negligible	n.a.	Melang Paint Evaporation Rate	7 - 13		R. A.
SoLing Form Vapor Pressure (rem Hg.) Vapor Oursty (AIR - I)	n.a.	Melang Paint Evaporation Rate	7 - 1 3		R. A.
Soung Point Vapor Pressure (rem Hg.)	n.a.	Melang Paint Evaporation Rate	7 - 1 <u>1</u>		R. A.
JOLENG Point	n.a.	l	7 - IJ		+
		Specific Gravity (H ₂ C	3 - IJ	,,,,,	1,1
Section III — Physical/Chemical Characte	sristics			,	
Organia apponium salt	······································		Hot listed	None	< 2
Styrene-Adrylate copolymer			Not listed	Нопе	> 92
None hazardous ingredients	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
Carbon black (CAS No. 1333-8	0-1)	3'2 g8/H.	3.5 ag/e	Habe	
Hazardous Camponems (Specific Chemical Identity: C		OSHA PSL	ACGUI TLV	Coner Limits Recommanded Rape	
Section II — Hazardous Ingredients/Iden	tity information	<u> </u>			
22-22, Magaike-oho, Abeno-ku, O		<u> </u>	it (chanta)		
Sharp corporation		Date Prepared Sep. 30 Signature of Prepare			<u> </u>
Addition Chamber Street City State and ZIP Constitution of the Plaza, National , NJ 07430		Telephone Number 201 ~ 02			
	R	1			···
Section Olstributor's Name Sharp Electronics Corporation		Emergency Teleppo	na Number		
SF-880NT1 Black Toner	··· - ··	informacion is	available, the space	must be marked	la indicate mat,
		OMB No. 1218-0 Note: Blank spaces	are not contribut.	any dem is not	applicable, or no
IDENTITY (As Used on Label and List)			, 0,111,		pplicable
	<u> </u>	Form Approved		HSDS HO.F-	nioii A
consulted for specific requirements, IDENTITY (As Used on Label and List)		Occupational Safe (Non-Mandatory		dministration	41E1 1 S

Section V — Reactivity Data Brandry Unstable Commonster Avect None State 1											мен	ารมกร	Anist-:
Standard Unitable Concentrate Annual None											6136	(4 C1 - E	<u>-↑,5,</u>
State No. No.	T	Cancur	GIPORE 6	d Arce	43		, , , , , , , , , , , , , , , , , , ,						
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ASBESTOS HAZARD
EMERGENCY RESPONSE ACT
(AHERA)
THREE YEAR REINSPECTION
REPORT

FOX HILL ELEMENTARY SCHOOL BURLINGTON, MA

RECON PROJECT NO.: W50139FH

PREPARED FOR:

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DATE ISSUED:

MAY 15, 1995

LHADMINDAT\PROJESIW60139FH





The Asbestos Hazard Emergency Response Act (AHERA) reinspection described herein was conducted by the undersigned, of Recon Environmental Corp. (RECON). RECON's investigation consisted solely of the reinspection activities required by the AHERA Regulation (40 CFR 763) and as described in RECON's Proposal Number W95-146. In addition, the reinspection was subject to the Limitations and Service Constraints provided in Appendix A and the Terms and Conditions of the Standard Consulting Agreement executed prior to commencement of the reinspection.

This reinspection report for the Fox HIII Elementery School, Burlington, Massachusetts, must be incorporated into the original Management Plan for the school.

Asbestos Survey Report Prepared by:

Ted Sherry

Project Manager

Inspector License #102654

AHERA Reinspection Report Reviewed and Approved by:

Timothy C. Woodward

Timothy C. Woodward

Operations Manager, Industrial Hygiene

Management Planner License # MP01913



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1.0 INTRODUCTION

Recon Environmental Corp. (RECON) was retained by the Burlington School Department to reinspect the Fox Hill Elementary School, Burlington, Massachusetts, in compliance with the Asbestos Hazard Emergency Response Act (AHERA) of October, 1987. To review prior asbestos-containing building information for the Fox Hill Elementary School, refer to the Fox Hill Elementary School Management Plan which is maintained at the main Local Education Agency (LEA) office and the Fox Hill Elementary School. The Reinspection was conducted by RECON's representative, Mr. Ted Sherry, Massachusetts Asbestos Inspector (License #102654) on March 14, 1995.

The objective of the reinspection was to maintain the Fox Hill Elementary School's compliance with the AHERA Regulation by visually reinspecting and reassessing the condition of all known or assumed asbestos-containing building materials (ACBM). In accordance with the regulation, RECON also visually inspected and reassessed materials that were previously considered non-friable ACBM and touched the material to determine whether it had become friable since the last inspection or reinspection.

All findings of this reinspection must be incorporated into the original Management Plan document for the Fox Hill Elementary School.

As described in the Reinspection Hazard Assessment Sheets included as Appendix C, RECON has identified any changes in quantity or condition of ACBM noted during the reinspection and has included updated response action recommendations, where appropriate. RECON has also provided an updated Hazard Priority Summary which indicates the priority of Homogeneous Areas and RECON's recommendation for addressing confirmed or assumed asbestos-containing material (ACM).

Under AHERA protocol, certain assessment criteria were used as the basis for recommended response actions. These assessment criteria were as follows: the existence of barriers, abnormal access features, activity in the area, air erosion, potential for fiber release, and existing damage.

Based on the aforementioned assessment criteria, RECON made recommendations for ACBM at the Fox Hill Elementary School, RECON's recommendations generally fall into six categories:

 Homogeneous Areas which can be maintained under the Provisions of an Operations & Maintenance (O&M) Program;



- Homogeneous Areas which should be properly removed immediately by a qualified abatement contractor;
- 3. Homogeneous Areas which should be removed when practical;
- 4. Homogeneous Areas requiring short-term, short-duration remedial measures (patch & repair) performed either by in-house maintenance personnel who have successfully completed the 16-hour O&M training course or by a qualified abatement contractor depending on the amount of material:
- 5. Homogeneous Areas requiring enclosure or spot repairs; and
- Homogeneous Areas requiring encapsulation.

2.0 LOCAL EDUCATION AGENCY RESPONSIBILITIES

The Local Education Agency's (LEA) responsibilities regarding recordkeeping and other activities for the Fox Hill Elementary School's Asbestos Management Plan are defined in the Environmental Protection Agency (EPA) Rules and Regulations 40 CFR Part 763 (Asbestos-Containing Materials in Schools; Final Rule and Notice) and summarized as follows:

2.1 Completion of Asbestos-Related Activities

The AHERA Regulation 763.84(a) states that the LEA is responsible for ensuring that "any persons who perform inspections, reinspections, and periodic surveillence, develop and update management plans, develop and implement response actions, including operation & maintenance, are carried out in accordance with subpart E of this part.

2.2 Custodial/Maintenance Training

The AHERA regulation 763.92(a) states that the LEA shall "ensure, prior to the implementation of the O&M provisions of the Management Plan, that all members of its maintenance and custodial staff (custodians, electricians, heating/air conditioning engineers, plumbers, etc.) who may work in a building that contains ACBM receive awareness training of at least 2 hours, whether or not they are required to work with ACBM. New custodial and maintenance employees shall be trained within 60 days after commencement of employment". The LEA shall maintain all documentation regarding their training.



2.3 Building Occupant Notification

The AHERA regulation 763.84(c) states that the LEA shall "ensure that workers and building occupants, or their legal guardians, are informed at least once each school year about inspections, response actions, and post-response action activities, including periodic reinspection and surveillance activities that are planned or in progress".

2.4 Short Term Workers

The AHERA regulation 763.84(d) states that the LEA shall "ensure that short term workers (e.g. telephone repair workers, utility workers, or exterminators) who may come in contact with asbestos in a school are provided information regarding locations of ACBM and suspected ACBM assumed to be ACM".

2.5 Warning Labels

The AHERA regulation 763.84(e) states that "warning labels shall be posted in routine maintenance areas in accordance with Section 763.95".

2.6 Management Plan Responsibilities

The AHERA regulation 763.84(f) states that "management plans shall be made available for inspection and notification of such availability has been provided as specified in the management plan under Section 763.93(g)".

2.7 Designated Person

The AHERA regulation 763,84(gl(1) states that "the LEA shall designate a person to ensure that requirements under this section are properly implemented". Section 763,84(gl(2) further states that "the LEA shall ensure that the designated person receives adequate training to perform duties assigned under this section". All documentation regarding designated person training shall be mainteined.

2.8 Conflict of Interest

The AHERA regulation 763.84(h) states that the LEA should "consider whether env conflict of interest may arise from the interrelationship



among accredited personnel and whether that should influence the selection of accredited personnel to perform activities under this subpart*.

The Local Education Agency and each school within its jurisdiction must keep accurate records of relevant events with the management plan. Relevant events include:

2.9 Response Actions

Ensure accurate records are kept for any response action or preventative measure taken for ACBM. Provide a detailed description of the actions and information on sample analysis [see 40 CFR Part 763.94(b)].

2.10 Reinspection Documentation

For each reinspection: document the name and accreditation information of the inspector, the date of the reinspection, and any changes noted in the condition of the meterial.

2.11 Periodic Surveillance

For each periodic surveillance conducted: document the name of each person performing the surveillance, date of surveillance, and any changes in the condition of materials. Periodic surveillance inspection should be conducted every six months.

2.12 Required Cleanings

For each required cleaning; document the name of the person performing the cleaning, date of the cleaning, locations/areas cleaned, and the methods used.

2.13 Small-Scale, Short-Duration Activities

For each small-scale, short-duration activity; document the name and signature of the person performing the activity, activity start and completion dates, precise locations and a description of the activity and any preventative measures taken. If ACBM is removed, document the name and location of the storage or disposal facility.



2.14 Maintenance Activities

For maintenance activities other than small-scale, short-duration activities: document the name and signature of the person performing the activity, their State accreditation and, if applicable, the accreditation number of each person conducting the activity, activity start and completion dates, precise locations, and if ACBM is removed, the name and location of the storage or disposal facility.

2.15 Fiber Release Episodes

For each fiber release episode: document the date and location of the release, method of repair, preventative or response actions taken, the name of each person performing the work, and if ACBM is removed, the name and location of the storage or disposal facility.

3.0 REINSPECTION FINDINGS AND RECOMMENDATIONS

RECON performed a review of the original Burlington Schools Asbestos Management Plan and all accompanying documentation pertaining to employee training, patch and repair work performed under the O&M Program, and asbestos abatement operations that have taken place since the implementation of the O&M Program. The following information summarizes RECON's Findings and Recommendations:

3.1 Warning Labels

RECON did not observe the presence of warning labels in routine maintenance areas at the Fox Hill Elementary School.

As per section 2.5 of this document and AHERA Regulation 763.95(a), "the LEA shall attach a warning label immediately adjacent to any friable and non-friable ACBM and suspected ACBM assumed to be ACM located in routine maintenance areas (such as boiler rooms) at each school building".

3.2 Initial Cleaning

Upon review of the Management Plan, RECON did not observe records pertaining to initial and/or subsequent cleanings.

As per AHERA regulation 763.91(c), and Section 2.12 of this document: "Unless the building has been cleaned using equivalent methods within the previous 6 months, all areas of a school building

W50139FH Recon

where friable ACBM, damaged or significantly damaged thermal system insulation ACM, or friable suspected ACBM assumed to be ACM are present shall be cleaned at least once after the completion of the inspection required by 763.85(a) and before the initiation of any response action, other than O&M activities or repair".

"For each time that cleaning under section 763.91(c) is performed, the LEA shall record the name of each person performing the cleaning, the date of such cleaning, the locations cleaned, and the methods used to perform such cleaning", as per the AHERA regulation section 763.94(e).

RECON recommends that if a reinspection/surveillance requires an initial or subsequent cleaning, proper documentation shall be implemented and included in the management plan.

3.3 Short-Term Worker Notification

Upon review of the Management Plan documents, RECON did not observe any notification to short-term workers.

Section 2.4 of this document and AHERA regulation 763,84(d) requires that the LEA shall, "ensure that short-term workers (e.g., telephone repair workers, utility workers, or exterminators) who may come in contact with asbestos in a school are provided information regarding the locations of ACBM and suspected ACBM assumed to be ACM.

RECON recommends that any person categorized as a short-term worker be notified in writing, regarding the location of all ACBM and suspect ACBM identified in the school.

3.4 Fiber Release Episodes

Upon review of the Management Plan documents, RECON did not observe any documentation regarding fiber release episodes.

Section 2.5 of this document and AHERA regulation 763.94(h) states that, "For each fiber release episode under 763.91(f), the LEA 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".



RECON recommends that if a fiber release episode transpires, proper response actions must be implemented and documentation included in the management plan.

RECON did not observe training documentation for the LEA's appointed designated person. The following summarizes RECON's

3.5 Designated Person

munga	
√ame:	
Title:	
Address:	
el. #:	(617)
raining:	
	

Section 2.7 of this document and AHERA regulation 763.84[g](2) states that "the LEA shall ensure that the designated person receives adequate training to perform duties assigned under this section".

RECON recommends that the LEA ensure proper training of the designated person in the following areas: health effects of asbestos; detection, identification, and assessment of ACM; options for controlling ACBM; Asbestos Management programs; knowledge of relevant Federal, State, Occupational Safety and Health Administration (OSHA), and Department of Labor and Industries regulations.

3.6 Custodial/Maintenance Training

RECON did not observe training documentation for the schools custodial/maintenance staff.

RECON recommends that the Burlington Schools ensures that all maintenance personnel assigned to the Fox Hill Elementary School have or will receive, at a minimum, the two (2) hour asbestos-awareness training, as required by the AHERA regulation.



3.7 Building Occupant Notification

RECON did not observe yearly building occupant documentation regarding the status of the Management Plan document, ACBM related activities and the availability of the Management Plan for review.

In accordance with the AHERA Regulation, RECON recommends that the LEA ensure that workers and building occupants, or their legal guardians, are informed at least once each school year about inspections, response actions, and post-response action activities, including periodic reinspection and surveillance activities that are planned or in progress.

3.8 Response Actions Completed

It was confirmed through documentation review and on-site inspection that the following Homogeneous Areas have been completely removed from the Fox Hill Elementary School. Asbestos abatement was performed by Dec-Tam Asbestos Abatement in July, August, October, and November of 1989.

CHART OF HOMOGENEOUS AREAS ABATED FROM THE BUILDING		
HOMOGENEOUS AREA	MATERIAL DESCRIPTION	MATERIAL LOCATION
T-04	Elbow Fitting Insulation	Above Ceilings and Behind Walls (Removed from above all suspended cellings)
T-05	Emergency Generator Exhaust Insulation	Electrical Room
M-04	2' x 4' Suspended Ceiling Tites	Bathroom, Cafeteria, Kitchen, Offices, etc.

Homogeneous Areas T-05, and M-04 have been removed from the Hazard Priority Listing.



3.9 Periodic Surveillance

RECON did not observe any records regarding periodic surveillance activities at the Fox Hill Elementary School.

RECON recommends that records of each future periodic surveillance be inserted into the management plan.

"At least once every 6 months after a menagement plan is in effect, each local education agency shall conduct periodic surveillance in each building that it leases, owns, or otherwise uses as a school building that contains ACBM or is assumed to contain ACBM", as per the AHERA regulation section 763,92 (b) (1).

3.10 Three Year Reinspection

RECON did not observe any records regarding previous AHERA Three Year Reinspections.

"At least once every 3 years after a Management Plan is in effect, each local education agency (LEA) shall conduct a reinspection of all friable and non-friable known or assumed ACBM in each school building that they lease, own, or otherwise use as a school building", as per the AHERA regulation section 763;85 (b) (1). Each AHERA Three Year Reinspection must be conducted by an accredited inspector.

3.11 General

All Asbestos-containing/suspect asbestos-containing homogeneous areas must be maintained under the provisions of an O&M Program as long as they remain in the Fox Hill Elementary School.

The Burlington Schools designated person must be notified of all scheduled renovations or demolitions that are to occur. Notification to the designated person allows for any possible disturbance of asbestos-containing materials to be prevented and for the proper handling of ACM at the Fox Hill Elementary School.

If materials are discovered that have not been listed in this reinspection report or the initial Asbestos Management Plan, RECON recommends that they be treated as asbestos-conteining until sampling can be performed to determine asbestos content.



The Reinspection Hazard Assessment Sheets for all confirmed and assumed Homogeneous Areas at the Fox Hill Elementary School are provided in Appendix C of this report. The updated Hazard Priority Summary included as section 4.0 shall become the main Hazard Priority List for the LEA.

4.0 HAZARD PRIORITY SUMMARY

The Hazard Priority Summary List ranks the Homogeneous Areas which contain asbestos according to their potential for fiber release. Based on material condition as observed during the inspector's survey, no areas require immediate abatement. However, locations requiring patch & repair and removal operations should be addressed in a timely manner. The response action selected by the LEA must be sufficient to protect human health and the environment, at a minimum. All asbestos abatement work must be completed in accordance with applicable federal, state and/or local regulations.

Factors which may influence decisions as to the patching and repair of damaged ACBM versus complete abatement, apart from an area's potential for fiber release, might include scheduled renovations, appropriate funding, or the availability of unoccupied areas (such as during vacation periods).

The Hazard Priority Summary List is as follows:

HOMOGENEOUS AREA	- RECOMMENDED RESPONSE ACTION
T-01	O&M Program/Patch & Repair
M-01	O&M Program/Remove When Practical
T-02	O&M Program/Patch & Repair
T-03	O&M Program/Patch & Repair
T-04	O&M Program/Patch & Repair
M-02	O&M Program
M-03	O&M Program
S-01	O&M Program



APPENDIX A LIMITATIONS AND SERVICE CONSTRAINTS

LIMITATIONS AND SERVICE CONSTRAINTS

All professional opinions presented in this report are based on information made available to us either by review of data provided by others or data gathered by RECON personnel.

RECON affirms that data gathered and presented by RECON in this report was collected in an appropriate manner in accordance with generally accepted methods and practices. RECON cannot be responsible for decisions made by our client solely on the basis of economic factors.

Conditions described in this report are as found at the time of investigation, unless otherwise stated.

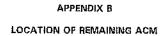
RECON analyzed only the substances, conditions and locations described in the report at the time indicated. No inferences regarding other substances, conditions, location or time can be made unless specifically stated in this report.

No recommendations were provided for materials containing less than one percent asbestos. Materials containing less than one percent asbestos do not meet either the generally accepted industry definition of asbestos-containing material (any material containing greater than one percent asbestos) or the EPA definition of frieble ACM (any material friable bulk insulation material containing greater than one percent asbestos by weight as analyzed by Polarized Light Microscopy.) RECON, however, makes no statement, implied or explicit, about the hazards of materials containing less than one percent asbestos.

This report is intended for the use listed in the section of this report described as the Introduction. The use of this report in any manner other than that listed in the Introduction requires the written consent of RECON Engineering and Testing Company, Inc. This report must be presented in its entirety.

F-LADMINDAT/BUILERPLILIMITS.ASB







APPENDIX B

	FOX HILL	n of Remaining Elementary Sch Jrungton, Ma	ÁCM ÍOOL	
LOCATION	MATERIAL DESCRIPTION	APPROXIMATE QUANTITY	CONDITION	HOMO, AREA
Inside boiler doors	Boller gasket	3 sf	Undetermined	M-01
Outside & inside building	Blue & Gray transite siding panels	5,346 sf	Good	M-02
Classrooms, storage areas, offices, cafoteria and hails	12" X 12" floor tile and mastle in various colors	49,332 sf	О.К.	М-03
Cafeteria Walls	Hard plaster	1,500 sf	Good	S-01
Bailer room	Gray, fibrous material on hot water tank	126 sf	Damaged (5 sf)	T-01
Boiler room	Pipe fittings	85 H	Good	T-02
Boiler room	Breeching insulation	40 lf	Good	T-03
Behind walls & ceilings	Elbow fitting insulation	undetermined	N/A	T-04



APPENDIX C

HAZARD ASSESSMENT SUMMARY SHEETS

3-YEAR ASSESTED REINSPECTION HAZARD ASSESSMENT SUMMARY SHEET

Project Number: W50139 School: FOX HILL ELEMENTARY SCHOOL Homogeneous Area ID#: M-01 Type of Material: MISCELLANEOUS Analysis Result: ASSUMED ASSESTOS Squarc/Linear Footage: 3 EPA Assessment Category: aaakeakeakaakeakakakaakakakaka AREA DESCRIPTIONS ************************** Homogeneous Area: THE MATERIAL IS BOILER GASKET Description Location: MATERIAL IS LOCATED ON INSIDE OF THE DOILER DOORS ********* ASSESSMENT CRITERIA - CURRENT CONDITIONS *********** Existence of Barriers: NO Explain: Abnormal Access Features: YES Explain: MUST PRY OPEN Air Erosion: LOW Maintenance Activities: LOW Vandalism: Potential for fiber release: LOW Comments: VANDALISM: NONE - NO ACCESS Water: Percentage: Physical: Percentage: Probable Damage Sources: * UNDETERMINED Is this a change in condition, existing damage, or potential for fiber release from the original assessment ? NO Explain: ********* RECOMMENDED RESPONSE ACTION (OVERALL) *********** Recommended Action: OPERATIONS & MAINTENANCE PROGRAM, REMOVE WHEN PRACTICAL Is this a change in response action from the original recommendation ? NO Response Action Rationale:

3-YEAR ASSESTOS REINSPECTION HAZARD ASSESSMENT SUMMARY SHEET

Project Number: W50139

Response Action Rationale:

School: FOX HILL ELEMENTARY SCHOOL

Homogeneous Area ID#: M-02 Type of Material: BURFACING Analysis Result: 35%-45% ASBESTOS Square/Linear Footage: 5,346 EPA Assessment Category: 1 *********************** AREA DESCRIPTIONS ********************** Homogeneous Area: BLUE AND GREAY TRANSITE SIDING PANELS Description Location: OUTSIDE & INSIDE OF BUILDING ************* ASSESSMENT CRITERIA - CURRENT CONDITIONS *********** Existence of Barriers: NO Explain: Abnormal Access Features: NO Explain: Air Erosion: MODERATE Maintenance Activities: LOW Vandalism: MODERATE Potential for fiber release: LOW Comments: Water: LOW Percentage: <1% Physical: LOW Percentage: 2% Probable Damage Sources: Is this a change in condition, existing damage, or potential for fiber release from the original assessment ? NO Explain: ************ RECOMMENDED RESPONSE ACTION (OVERALL) *************** Recommended Action: OPERATIONS & MAINTENANCE PROGRAM Is this a change in response action from the original recommendation ? No

5,346 Sq./Lin. Feet x \$30.00/Foot = \$160,380.00

******************* TOTAL REMOVAL COST ESTIMATE *******************

9-YEAR ABBESTOS REINSPECTION HAZARD ASSESSMENT SUMMARY SHEET

Project Number: W50139 School: FOX HILL ELEMENTARY SCHOOL Homogeneous Area ID#: M-03 Type of Material: MISCELLANEOUS Analysis Result: NOT ANALYZED Square/Linear Footage: 49,332 EPA Assessment Category: 1 Homogeneous Area: 12" X 12" FLOOR TILE AND MASTIC IN VARIOUS COLORS Description Location: CLASSROOMS, STORAGE AREAS, OFFICES, CAFETERIA, HALLWAYS ************* ASSESSMENT CRITERIA - CURRENT CONDITIONS ************ Existence of Barriers: YES Explain: LIBRARY PLOOR TILE CARPETED Abnormal Access Features: NO Explain: Air Erosion: LOW Maintenance Activities: LOW Vandalism: LOW Potential for fiber release: Comments: вишвишвиновический поверения примента размента в поверения по в поверения в п Water: LOW Percentage: 2% Physical: Low Percentage: 3% Probable Damage Sources: SLIGHT WATER DAMAGE & DETERIORATION FROM AGE AND USE Is this a change in condition, existing damage, or potential for fiber release from the original assessment ? Explain: ************ RECOMMENDED RESPONSE ACTION (OVERALL) *************** Recommended Action: OPERATIONS & MAINTENANCE PROGRAM Is this a change in response action from the original recommendation ? NO Response Action Rationale: REPLACE ANY DAMAGED TILES

3-YEAR ASBESTOS REINSPECTION HAZARD ASSESSMENT SUMMARY SHEET

Project Number: W50138 School: FOX HILL ELEMENTARY SCHOOL Homogeneous Area ID#: 8-01 Type of Material: SURPACING Analysis Result: ASSUMED ASDESTOS Square/Linear Footage: 1,500 EPA Assessment Category:

Air Erosion: LOW Maintenance Activities: LOW

Vandalism: LOW Potential for fiber release:

Probable Damage Sources:

Is this a change in condition, existing damage, or potential for fiber release from the original assessment ? NO Explain:

Response Action Rationale:

****************** TOTAL REMOVAL COST ESTIMATE *****************

1,500 Sq./Lin. Feet x \$30.00/Foot = \$45,000.00

3-YEAR ASSESTOS REINSPECTION HAZARD ASSESSMENT SUMMARY SHEET

Project Number: W50139

School: FOX HILL ELEMENTARY SCHOOL

Romogeneous Area ID#: T-01

Type of Material: THERMAL Analysis Result: 30%-50% ASBESTOS

Square/Linear Footage: 126 EPA Assessment Category: 4

Description

Location: IN BOILER ROOM

Abnormal Access Features: NO Explain:

Air Erosion: LOW Maintenance Activities: LOW

Vandalism: LOW Potential for fiber rolease: MODERATE

Comments:

Water: MODERATE Percentage: 5% LOCALIZED Physical: MODERATE Percentage: 5% LOCALIZED

Probable Damage Sources: ABOUT 2 YEARS AGO A WATER LEAK ON THE TANK CREATED 5 SF OF ASBESTOS DAMAGE

Is this a change in condition, existing damage, or potential for fiber release from the original assessment ? YES

Explain: S SF OF TEL FROM THE TANK WAS ABATED FOR REPAIR PURPOSES

Response Action Rationale;

THE PATCH & REPAIR IS MORE SIGNIFICANT DUE TO THE AMOUNT OF DAMAGE

126 Sq./Lin. Feet x \$15.00/Foot = \$1,890.00

3-YEAR ASBESTOS REINSPECTION HAZARD ASSESSMENT SUMMARY SHEET

Project Number: 339

School: FOX HILL BLEMENTARY SCHOOL

Homogeneous Area ID#: T-02 Type of Material: THERMAL Analysis Result: 1%-3% ASBESTPS Square/Linear Footage: 85

************************** Homogeneous Area: PIPE FITTINGS ON FIBERGLASS INSULATED PIPES

Description

Location: IN BOILER ROOM

EFA Assessment Category: 1

********* ASSESSMENT CRITERIA - CURRENT CONDITIONS *************

Existence of Barriers: NO Abnormal Access Features: NO Explain:

Explain:

Air Erosion: LOW

Maintenance Activities: LOW

Vandalism: Low

Potential for fiber release: MODERATE

Comments:

положения положения положения рамась растока и констинующий положения полож

Water: MODERATE Physical: LOW

Percentage: 5% LOCALIZED Percentage: 3% LOCALIZED

Probable Damage Sources:

Is this a change in condition, existing damage, or potential for fiber release from the original assessment ? NO

Explain:

************ RECOMMENDED RESPONSE ACTION (OVERALL) ********* Recommended Action: OPERATIONS & MAINTENANCE PROGRAM, PATCH & REPAIR

Is this a change in response action from the original

recommendation ? NO

Response Action Rationale:

****************** TOTAL REMOVAL COST ESTIMATE ******************

85 Sq./Lin. Feet x \$15.00/Foot = \$1,275.00

3-YEAR ASBESTOS REINSPECTION HAZARD ASSESSMENT SUMMARY SHEET

Project Number: WS0139

School: FOX HILL ELEMENTARY SCHOOL

Homogeneous Area ID#: T-03 Type of Material: THERNAL

Analysis Result: 45%-55% ASBESTOR

Square/Linear Footage: 40 EPA Assessment Category: 1

Homogeneous Area: BOILER BREECHING INSULATION. IT IS 2" THICK GRAY AND

Description FIBROUS MATERIAL ON 12" DIAMETER PIPE.

Location: IN BOILER ROOM

************** ASSESSMENT CRITERIA - CURRENT CONDITIONS ************

Existence of Barriers: NO

Explain:

Abnormal Access Features: YES Explain: 6' OFF THE GROUND

Air Erosion: MODERATE

Maintenance Activities: LOW

Vandalism: LOW

Potential for fiber release: MODERATE

Comments:

Water: LOW Percentage: 2%

Physical: LOW

Percentage: 4%

Probable Damage Sources:

Is this a change in condition, existing damage, or potential for fiber

release from the original assessment ? No

Explain:

********** RECOMMENDED RESPONSE ACTION (OVERALL) ************ Recommended Action: OPERATIONS & MAINTENANCE PROGRAM, PATCH & REPAIR

Is this a change in response action from the original

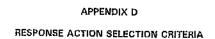
recommendation ? No

Response Action Rationale:

******************** TOTAL REMOVAL COST ESTIMATE ****************

40 Sq./Lin. Feet x \$15.00/Foot = \$600.00







APPENDIX D

Response Action Selection Criteria

The LEA must select and implement in a timely manner the appropriate response actions consistent with the EPA Assessment Codes. The response actions selected shall be sufficient to protect human health and the environment.

The LEA may select the action that is the least burdensome method. In determining which is least burdensome, the LEA may consider local circumstances including occupancy and use patterns within the school building, and its economic concerns, long and short term.

Note: Nothing prohibits the removal of ACBM from a school building at any time, should removal be the preferred response action of the LEA.

The EPA has developed a seven (7) category assessment code depending upon the type of condition of ACSM.

EPA Assessment

<u>Code</u>	<u>Description</u>
1.	Damaged or significantly damaged thermal system insulation ACM.
2.	Damaged friable surfacing ACM.
3,	Significantly damaged friable surfacing ACM.
4,	Damaged or significantly damaged friable miscellaneous ACM.
5.	ACBM with potential for damage.
6.	ACBM with potential for significant damage.
7.	Any remaining friable ACBM or friable suspected ACBM.

In applying the EPA's Assessment code, it is necessary to understand the following EPA definitions.

<u>Damaged ACBM</u>: That material which has deterioration, delamination, water damage, lacks cohesion, is blistered, crumbling, gouged, marred heavily, abraded, or in any way has lost its structural integrity over more than 1% but less than 10% of the surface area if the damage is evenly distributed or less than 25% if the damage is localized in one area of the homogeneous area.



Significantly Damaged ACBM: That material which has deterioration, delamination, water damage, lacks cohesion, is blistered, crumbling, gouged, marred heavily, abraded, or in any way has lost its structural integrity over at least 10% of the surface area if the damage is evenly distributed or at least 25% if the damage is localized in one area of the homogeneous area.

Good Condition ACBM: ACBM with no visible damage or deterioration.

ACBM with potential for damage: Pertains to circumstances in which:

- Friable ACBM is in an area regularly used by building occupants, including maintenance workers.
- 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 O&M practices, changes in occupancy or recurrent damage.

ACBM with potential for significant damage: Pertains to circumstances in which:

- Friable ACBM is in an area regularly used by building occupants, including maintenance workers.
- There are indications that there is a reasonable likelihood that the material or its covering will become damaged, deteriorated or detaminated due to factors such as changes in building use, changes in O&M practices, changes in occupancy or recurrent damage.
- 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 crosion.

In applying EPA's category code, the person making the assessment must consider the following factors:

- Accessibility;
- 2. Potential for contact with the material;
- Quantity of the asbestos containing material:
- 4. Composition of the ACM:
- Size of the population exposed:
- Likelihood of continual exposure;
- 7. Pedestrian traffic and adjacent room use;
- 8. Vibration and air movement;
- Planned future use of the area(s).



The selection of Response Actions is guided by minimum response requirements imposed by the AHERA Regulation:

If damaged or significantly damaged thermal system insulation (TSI) ACM (EPA Code #1) is present in a building, the LEA shall:

- At least repair the damaged area, or remove the damaged material if it is not feasible to repair the damage.
- 2) Maintain all TSI ACM and its covering in an intact and undamaged condition.

If damaged friable surfacing ACM or damaged friable miscellaneous ACM (EPA Code #2 and 4) is present in a building the LEA shall;

1) Select encapsulation, enclosure, removal or repair of the damaged material.

If significantly damaged friable surfacing ACM or significantly damaged friable miscellaneous ACM (EPA Codes #3 and 4) is present in a building, the LEA shall:

- 1) immediately isolate and restrict access, unless isolation is not necessary to protect human health and the environment.
- Remove the ACM from the functional space, unless encapsulation or enclosure is sufficient.

If any friable surfacing ACM, thermal system insulation ACM, or friable miscellaneous ACM (EPA Code #5) is present in a building, the LEA shall;

1) At least institute an O&M Program, as described in 763.91,

If any friable surfacing ACM, thermal system insulation ACM, or friable miscellaneous material has potential for significant demage, (EPA Code #6) is present in a building, the LEA shall:

- 1) Implement an O&M Program, as described under 763.91.
- Institute preventive measures appropriate to eliminate the reasonable likelihood that the ACM or its covering will become significantly damaged, deteriorated, or delaminated.
- 3) Remove the material as soon as possible if appropriate preventative measures cannot be effectively implemented, or unless other response actions are determined to protect human health and the environment. Immediately isolate the area and restrict access if necessary to avoid an imminent and substantial endangerment to human health or environment.



TOWN OF BURLINGTON

BOARD OF HEALTH 51 Center Streat Burlington, Massachusetts 01803 (817) 270-1955 • Fax 270-1608

To:

Richard Benowitz

Principal Fox Hill School

from:

Todd H. Dresser TH

RF: Inspection of Ceramics Program at Fex Hill School

On January 24, 1998, I inspected the ceramics program conducted at the fox Nill School. Currently, the school fires all ceramic pieces in a kiln located in a boiler room. No students are allowed in the area. Your ability to control and restrict access to the kiln is commendable. While inspecting the kiln, I noted that the kiln is not currently vented. Electric kilns similar to the unit operated at the school will generate ozone, carbon monoxide, volatile organics and motallic fumes and consequently must be vented directly to the atmosphere. Therefore, you are required to have this unit vented directly to the outdoors in order to continue using the unit. Failure to vent the kiln may adversely affect the air quality at the School. I also noted that the cover to the kiln is loose and that the cover has not been provided with a rememforcing support bar to prevent the cover from dropping when open. Both of these deficiencies should be repaired to protect the operator.

During my survey, I also reviewed the paints and glazes used in the ceramics curriculum. I found that all the materials were lead free and complied with ASTM D 4236, a U.S. Food and Drug Administration regulation prohibiting the use of toxic materials in the instruction of the arts to children. The Board of Health commends your instructor, Mrs. Clamsky, for her professionalism and diligence in complying with these requirements. Her efforts have resulted in a safer environment for the students.

In conclusion, I suggest that the school prepare a master inventory of all chemicals, art supplies, cleaning compounds or paints present at the school. The Massachusetts Right to Know law also requires that you maintain a copy of the material safety data sheet for each substance maintained at the school. Those records should also be collected and reviewed when you prepare your master inventory list. A material safety data sheet is an informational sheet prepared and supplied by the manufacturer which describes the composition of the material, proper storage, and health hazards. A copy of this information should be submitted to the Board of Health.

A target date for completing the necessary improvements is March 17, 1995. Do not hesitate to contact me if you have any questions.

tf cc: Bill Koutrouba, School Dept. Mrs. Olansky, Fox Hill School



TOWN OF BURLINGTON

Inter-office Correspondence

NO. 2/19/94

DATE

Todd H. Dresser(数) FROM: Environmental Engineer Bill Koutrouba
TO: School Department

SUBJECT: Kilns Maintained by the School Department

The Board of Hoalth is currently reviewing health and safety concerns associated with the operation of coramic kilms. In order to ensure the air quality of the local schools, I request that you furnish the Board of Health with a listing of the number and location of all kilms owned and operated by the School Department.

Please do not hesitate to contact me if you have any questions.

lma

FOX MILL SCHOOL - 1 LOCATED IN BOILER ROOM



TOWN OF BURLINGTON BOARD OF HEALTH

BURLINGTON, MASSACHUSETTS 61000 TOWN HALL 270-1955

Inspection of Oil Release	
Nome Fox Hill School	Address
OWNER Town of Burlingform	Tel No
Type of Inspection	Inspector Toold Dressen Brian Cockard
Type of Inapaction (*) Remarks and Violations are listed below:	and I investigated the
report of an oil release a	at Fox 4511 School We found
- that someone had disarde	d opposimately eight quant
containers filled with oil on the	access road behind the
Fox 1/11 Road Two of these	containers had been unatured
at the time of discovery.	The oil had been released on
pallement and soil adjacent	to the occess road Recreation
department personnel have collec	ted the conforminated soil
Capproximately 05 cubic yards	el soil and have deposited the
- material in the school dungsto	. This material will be
Sent to AJESHIZ for in	cineration The Chargenine
oil will be taken to the	highway garage for disposed
was the municipal harandors	was to bank
	THE PART OF THE PA
	
*	
····	·
Report Received	by:

TOWN OF BURLINGTON

HAZARDOUS MATERIALS REGISTRATION FORM

NAME (OF FIRM: FOX NILL School	FA	CILITY	ADDRESS: For	HILL RD
MAIL A	ADDRESS:	PH	ONE:	270-1791	·
FIRM'S	5 CEO:	s.	1.C.(s)	
	OF BUSINESS: LIST PRINCIPAL				
1.0	DOES YOUR BURLINGTON FACIL: HAZARDOUS" MATERIALS, AS DI HAZARDOUS MATERIALS" BY-LAI cleaning agents, fuels, sai YES NO	EFINED IN 7) W? (i.e., 0 s cylinders	低 "CON bils.s	JTANI OS TOVI	TO AND
2.0	WHO ARE YOUR FACILITY'S EM	ERGENCY COOL	RDINATO	DRS?	
	NAME Juhn A Danidon TITI				272-8255
	NAMETITL				
3.0	LIST "TOXIC OR HAZARDOUS" N HANDLES. EXPRESS QUANTITIE CONTAINER CAPACTIY EQUALS (S IN EITHER	R GALLO	ONS OR POUNDS	S. AND ONLY TE
LIST O	F HAZARDOUS MATERIALS				
HAZARD	OUS PRODUCT OR CHEMICAL	TYPE OF 1 STORAGE	STORE	MAXIMUM D QUANTITY	PHYSICAL HEALTH HAZARE
	OIL	UT	2	7,000	
	0 I L	AT	الـ	₹.β° €	
'					
	-				

 $^{1}\,\text{USE}$ CODE: UT=UNDERGROUND TANK, AT=ABOVE GROUND TANK, D-DRUM, AC=ABOVE GROUND CONTAINER, OR C=GAS CYLINDER

effective 5/20/91 Revision 2

LIST	OF	HAZARDOU	5 WASTES
------	----	----------	----------

HAZARDOUS WASIE EPA WASIE NUMBER MAXIMUM QUANTITY DOT SHIPPING NAME

IF YOUR FACILITY GENERATES HAZARDOUS WASTE, SUPPLY THE FOLLOWING 4.0 INFORMATION EPA ID NO. GENERATOR STATUS VSQG SOG LQG SQG (100-1000kg/monthly) LQG (>1000kg/monthly) VSQG ((100kg/monthly) DOES YOUR FACILITY HAVE ANY UNDERGROUND STORAGE TANKS (USTs)? PLEASE 5.0 NOTE THAT ALL TANKS IN SERVICE FOR 20 YEARS AND WITH A CAPACITY OF GREATER THAN 1000 GALLONS MUST BE TESTED ANNUALLY, UNLESS THE TANK(E) SYSTEM HAS SECONDARY CONTAINMENT. TANK 1UT TANK 2UT IANK 3UT IANK 4UT DATE OF INSTALLATION MOST RECENT TANK YEST CAPACITY IN GALLONS TYPE (i.e., steel or fiberglass) STORED MATERIAL DOES YOUR FACILITY HAVE ANY ABOVE GROUND STORAGE TANKS? 6.0 TANK 1AT IANK 2AT TANK BAT JANK 4AT DATE OF INSTALLATION 10-17-87 200 CAPACITY IN GALLONS Ptul TYPE (i.e., steel or fiberglass) *

7.0 IN THE SPACE PROVIDED BELOW, DRAW A SITE MAP OF THE PROPETY INDICATING THE LOCATION(S) OF STORAGE TANK(S) AND OTHER HAZARDOUS MATERIALS/ WASTES STORED OUTDOORS. PLEASE IDENTIFY STORAGE TANKS USING THE SAME ALPHA-NUMERIC NOTATION USED IN ITEMS 5.0-6.0.

effective 5/20/91 Revision 2

STORED MATERIAL

effective 5/20/91 Revision 2

8.0 IN THE SPACE PROVIDED BELOW, DRAW A FLOOR PLAN OF THE INTERIOR OF YOU FACILITY INDICATING LOCATIONS WHERE HAZARDOUS MATERIALS ARE HANDLED, USED, OR STORED. ALSO, LOCATE SAFETY AND SPILL CONTROL EQUIPMENT/ MATERIALS, AS WELL AS, COUNTERMEASURE PLAN POSTING(@). IN CASE OF A HAZARDOUS MATERIAL INCIDENT, PLEASE NOTE ANY SPECIAL HAZARDS WHICH THREATEN EMERGENCY RESPONSE PERSONNEL WITHIN THESE AREAS.

9.0 NAME OF INDIVIDUAL COMPLETING FORM: John A Davidon

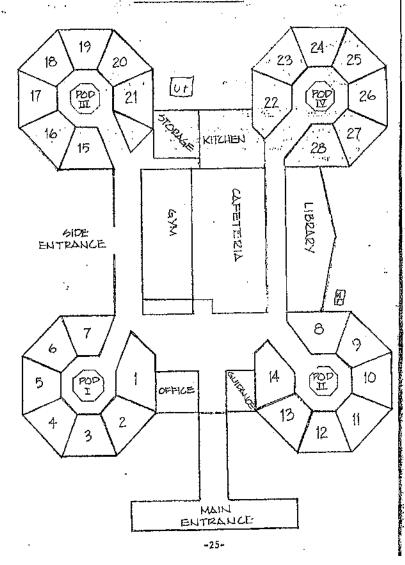
TITLE: SA Contract

TELEPHONE NO: 270-1791

DATE: 9/20/93

effective 5/20/91 Revision 2

LAYOUT OF THE SCHOOL





TOWN OF BURLINGTON BOARD OF HEAL'PH BURLINGTON, MASSACHUSETTS 01803 TOWNHALL 272 8760

Name	Date JAN 8 1790 Time PN
Owner TOWN OF BURLINGTON	_ Address Fox Hill Elementary School
Type of Inspection SP_1 \	Inspector ISCOM DER-1
(*) Remarks and Violations are listed below:	managed
INVESTIGATED BERONIC OF WAVE OF ANDREADING STATE STATE ON THE DISPOSOR OF (2) OIL IND A TRASH BARRIC PIN THE CONTRINGERS OFFICE LATE PORKING LAT	E SCHOOL PARKING LOT, OLE OF TIKE
HIGHWAY DEPT PLACED TOWNS ADSER	BALT PADS TO ADSUMB THE WASTE
COLL. THE OTHER WASTER OLDSWAMETS	2 WAS BEOLGH T TO THE HIGHWAY
HIGHWAY WILL FETURE TO PREUP CON	JAMINATED MATERIAL
-	
Report Received	Thu: \ /\/W''\

TOXIC OR HAZARDOUS SUBSTANCES

Fox Hill school

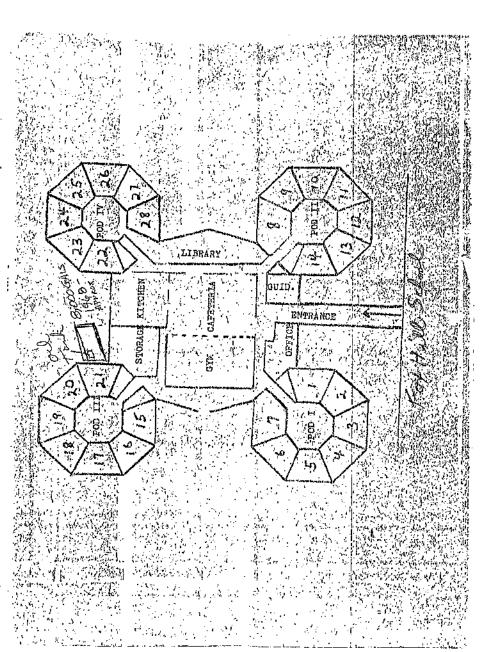
INVENTORY LIST

Product or Chemical Name		Work Area Location	Container Size	Manufacturer's Name and Address
Duplicating Fluid	٥	Offica	l gallon	Viking MEg. Co. Natick, MA 01760
Protective Clear Spray	C,	Art Classes	≯Spray Can 13 oz.	Products Corp. Normistown, PA 19404
Perma Clear Acryli	- C	Art Classes	≯ Spray Can 11 oz.	Borden, INC. Dept. CP Columbus, Chio 43215
:			* only one can of ear in Blog.	
			;	
			i	

TOWN OF BURLINGTON

HAZARDOUS MATERIALS REGISTRATION FORM

NAME OF FIRM: School Dept. (Fox Hill School)
ADDRESS:
TELEPHONE:
FIRM'S MANAGER: Thomas & Gelalenty Tr.
TYPE OF BUSINESS; LIST PRINCIPAL PRODUCTS OF SERVICES S.I.C.
1.0 DOES YOUR BURLINGTON FIRM HANDLE, USE, OR STORE ANY "TOXIC OR HAZARDOUS" MATERIALS, AS DEFINED IN THE CONTROL OF TOXIC AND HAZARDOUS MATERIALS" BYLAW? YES NO
IF THE ANSWER IS NO, GO TO ITEM 11.0.
IF THE ANSWER IS YES, TO TO ITEM 2.0.
2.0 LIST "TOXIC AND HAZARDOUS" MATERIALS OR WASTES THAT YOUR BURLINGTON FIRM HANDLES. EXPRESS QUANTITIES IN BITHER GALLONS OR POUNDS, AND ONLY THOSE HANDLED IN EXCESS OF FIVE (5) GALLONS OR TWO (2) POUNDS DRY WEIGHT.
MATERIAL NAME OR TYPE OF MAXIMUM CONSUMPTION OR HAZARDOUS PROPERTIES EPA WASTE CODE STORAGE QUANTITY GENERATION RATE (OR DOT HAZARD CLASS
¹ USE CODE: UT=UNDERGROUND TANK, AT=ABOVEGROUND TANK, D⇒DRUMS, OR ⟨φ: AC=ABOVEGROUND CONTAINERS
² MONTHLY BASIS



TOWN OF BURLINGTON

HAZARDOUS MATERIALS REGISTRATION FORM

NAME OF FIRM: School Dept. Fex Hill School
ADDRESS:
TELEPHONE: 273-1870
FIRM'S MANAGER: Proving & Plakerte A.
TYPE OF BUSINESS: LIST PRINCIPAL PRODUCTS ON SERVICES S.I.C.
1.0 DOES YOUR BURLINGTON FIRM HANDLE, USE, OR STORE ANY "TOXIC OR HAZARDOUS" MATERIALS, AS DEFINED IN THE "CONTROL OF TOXIC AND HAZARDOUS MATERIALS" BYLAW? NO
IF THE ANSWER IS NO. GO TO ITEM 11.0.
IF THE ANSWER IS YES, TO TO ITEM 2.0.
2.0 LIST "TOXIC AND HAZARDOUS" MATERIALS OR WASTES THAT YOUR BURLINGTON FIRM HANDLES. EXPRESS QUANTITIES IN EITHER GALLONS OR POUNDS, AND ONLY THOSE HANDLED IN EXCESS OF FIVE (5) GALLONS OR TWO (2) POUNDS DRY WEIGHT.
MATERIAL NAME OR TYPE OF MAXIMUM CONSUMPTION OR HAZARDOUS PROPERTIES EPA WASTE CODE STORAGE! QUANTITY GENERATION RATE (OR.DOT HAZARD CLASS)
UT=UNDERGROUND TANK, AT=ABOVEGROUND TANK, D=DRUMS, OR AC-ABOVEGROUND CONTAINERS
² MONTHLY BASIS

LIBRARY ENTRANCE



Amy E. Warfield, Town Clerk, CMC Linda A. McNeill, Assistant Town Clerk Kirsten Midgley, Administrative Assistant Daniel C. McCormack, CA Records Manager/Archivist Kaitlyn O'Shea, Administrative Assistant

PUBLIC RECORDS REQUEST

Date: April 7, 20	223	
Information of Ro		
Name:	Cheryl A. Cambria	
Address:	1 Wallace Way	
City, State, Zip:	West Bridgewater, MA 02379	
Phone:	508-942-0366	
Public Information Requested (Please specify in exact detail) Permits for installation or removal of underground or aboveground storage tanks and/ or spills or releases of oil or other hazardous substances at Fox Hill Elementary		
School at 252 Fox	Hill Road from Clerk's Office and Fire Department	
NON-OFFICIAL (Fee to be determined by record clerk)OFFICIAL (Committee or Board)		
FOR OFFICE USE ONLY		
Date Information I	Released:	
Information Picked	l Up By:	
Fee Charged:		
Signature of Recor	d Clerk:	
G:\TEMPLATES_FORMS_LABELS\Public Records Request Form.doc		



Fox Hill Elementary School

252 Fox Hill Road Burlington, MA 01803

Inquiry Number: 7295798.5

April 03, 2023

The EDR-City Directory Image Report



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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

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 business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate 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.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2020		$\overline{\checkmark}$	EDR Digital Archive
2017			Cole Information
2014			Cole Information
2010	$\overline{\checkmark}$		Cole Information
2005	$\overline{\checkmark}$		Cole Information
2000	$\overline{\checkmark}$		Cole Information
1995	$\overline{\checkmark}$		Cole Information
1992	$\overline{\checkmark}$		Cole Information
1989	$\overline{\checkmark}$		Cole Criss-Cross Directory
1984	$\overline{\checkmark}$		Cole Criss-Cross Directory
1975	$\overline{\checkmark}$	\square	Cole Criss-Cross Directory
1970	$\overline{\checkmark}$	\square	Cole Criss-Cross Directory
1968			Cole Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

252 Fox Hill Road Burlington, MA 01803

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
FOX HILL RE	<u>)</u>		
2020	pg A2	EDR Digital Archive	
2017	-	Cole Information	Street not listed in Source
2014	pg A9	Cole Information	
2010	pg A12	Cole Information	
2005	pg A15	Cole Information	
2000	pg A18	Cole Information	
1995	pg A20	Cole Information	
1992	pg A22	Cole Information	
1989	pg A24	Cole Criss-Cross Directory	
1984	pg A26	Cole Criss-Cross Directory	
1975	pg A28	Cole Criss-Cross Directory	
1975	pg A29	Cole Criss-Cross Directory	
1970	pg A31	Cole Criss-Cross Directory	
1968	pg A34	Cole Criss-Cross Directory	

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FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

WESTWOOD ST

2020	pg.A6	EDR Digital Archive	
2017	-	Cole Information	Street not listed in Source
2014	pg.A11	Cole Information	
2010	pg. A14	Cole Information	
2005	pg. A17	Cole Information	
2000	pg. A19	Cole Information	
1995	pg. A21	Cole Information	
1992	pg. A23	Cole Information	
1989	pg. A25	Cole Criss-Cross Directory	
1984	pg. A27	Cole Criss-Cross Directory	
1975	pg. A30	Cole Criss-Cross Directory	
1970	pg. A32	Cole Criss-Cross Directory	
1970	pg. A33	Cole Criss-Cross Directory	
1968	pg. A35	Cole Criss-Cross Directory	

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Target Street Cross Street Source

→ EDR Digital Archive

	I OX IIII I NO	
174	Patrick Clancy	
176	Anila Desai	
	Max Julien	
	Safiyyah Ilyas	
177	Christopher Anderson	
	Joan Wheeler	
	Lynda Anderson	
	Matthew Anderson	
178	Paras Mukadam	
	Shree Harlalka	
179	Joan Villandry	
180	Erica Catanese	
	Erin Spyropoulos	
	Gregory Spyropoulos	
181	Freddy Delatorre	
	HEALTHMARKETS INSURANCE-FRED	
	HEALTHMARKETS INSURANCE-FREDDY	
	Janet Delatorre	
400	Joseph Delatorre	
182	Ernest Rajakumar	
184	Nhu-Ny Nguyen	
185	Dhiru Patel	
	Gitaben Patel	
	Miteshkumar Patel	
	Vijeta Patel	
400	Vivek Patel	
186	Denise Clark	
407	Raymond Starkey	
187	Amy Weiss	
	Athur Weiss	
	Benjamin Weiss	
100	Shari Weiss	
189	Eric Lewis	
100	Marjorie Lewis Gail Tuccero	
190	William Tuccero	
191	John Soares	
191	Theresa Soares	
192	Danielle Schissler	
192	Lauren Schissler	
	Maryellen Schissler	
193	Alyson Magrane	
193	Byron Magrane	
194	Nancy Rubin Caron Lau	
194	Caron Shing	
	Kim Lau	
195	James Walton	
190	Kelley Walton	
	Nancy Walton	
	rvancy vvalion	

Target Street	Cross Street	<u>Source</u>
✓	-	EDR Digital Archive

FOX HILL RD 2020 (Cont'd)

		 	(55111 4)	
196	Shawn Cote			
	Tiffany Cote			
	Tiffany Lung			
200	Maura McCarthy			
	Philip Lajoie			
202	Emanuel Tucker			
	Rose Tucker			
204	Andrew Ulliani			
	Melissa Ulliani			
206	Anna McGowan			
	Donald McGowan			
207	Giuseppe Mollica			
	Ronald Mollica			
	Sofia Mollica			
	Stacey Mollica			
	Talia Mollica			
208	Kusum Narayan			
	Lianne Abramo			
	Michelle Abramo			
	Philip Abramo			
	Stephen Abramo			
209	Erica Hudson			
	Maria Hudson			
	Raymond Hudson			
	Stephanie Hudson			
210	Kimberly Mancini			
	Todd Mancini			
211	Kelly Edwards			
	Michael Edwards			
212	Cameron Hurley			
	Dennis Keane			
	Diane Hurley			
	Lauren Hurley			
	Lauren Keane			
	Robert Hurley			
213	Barbara Mitchell			
	Jane Boivin			
	Maryjane Boivin			
	William Boivin			
214	Brett Boschetti			
	Katrina Boschetti			
	Katrina Calvert			
216	Karen Butler			
	Richard Butler			
218	Debra Flynn			
	Eleanor Flynn			
	Michelle Flynn			
	Paul Flynn			
	Wilson Paul			
220	Michael Buonopane			
	,			

Target Street	Cross Street	<u>Source</u>
✓	-	EDR Digital Archive

FOX HILL RD 2020 (Cont'd)

		 	(55111.4)	
220	Pauline Buonopane			
222	Daniella Morganelli			
	Kathleen Casey			
	Michael Morganelli			
	Stephen Morganelli			
224	Anthony Freda			
	Leanne Freda			
	LITTLE STEPS INC			
000	Mildred Freda			
226	Jeffrey Siersma			
228	Andrea Sheehan			
	Erica Sheehan			
	Joseph Sheehan			
	Kevin Sheehan			
220	Thom Russo			
229	Nicole Spano			
230	Patrick Niedermeier Chandni Tailor			
230	Vipin Tailor			
231	James Healy			
231	Monica Healy			
232	Brian Savage			
232	Erin Savage			
	Mark Savage			
	Paulette Savage			
233	Martha Sheridan			
	Mary Sheridan			
	Thomas Sheridan			
234	Joanm Lamb			
	Ronald Lamb			
	Winter Wheat			
235	Kristin Cardarelli			
	Kristin Panagiotis			
	William Panagiotis			
236	Cheryl Oley			
	Edwin Oley			
	Lillian Oley			
	Ryan Harrington			
237	Lore Porter			
238	Dorothy MacDonald			
239	Nikolaos Dalalelis			
240	Lynna Soohoo			
	Thomas Soohoo			
241	Judith Sullivan			
	Theresa Sullivan			
243	Bobby Negron			
	Kimberly Negron			
	Richard Vita			
245	Anthony Patti			
	Margaret Patti			

Target Street Cross Street Source

- EDR Digital Archive

FOX HILL RD 2020 (Cont'd)

		FOX HILL RD	2020	(Cont'd)	
246	Berj Zamanian Jennifer Zamanian				
247	Marjorie Zamanian Dennis Delorey Nancy Delorey				
248	Carl Humphreys Michael Humphreys Valerie Humphreys				
249	Daniel Muise Leta Benjamin Marcella Garcia				
250	Anthony Viapiano Kimberly Shubrooks				
251	Bruce Foster Laurian Foster				

Target Street Cross Street Source
- Source EDR Digital Archive

1	Joseph Sullivan		
	Kathryn Sullivan		
2	Emily Cayon		
	Patricia Cayon		
	Scott Cayon		
4	Chuck Carnell		
	Deborah Carnell		
	Jacqueline White		
	Kayla Carnell		
	Kelsey Carnell		
5	Michael Shutan		
7	Andrea Lamb		
•	Gregory Lamb		
	Mary Higgins		
	Nicole Lamb		
9			
9	Lyons Rosemary		
	Michael Lyons		
	Michael Spooner		
4.4	Shiang Jan		
11	Kathleen Horton		
12	Daniel McDonnell		
	Eileen Comeau		
	Eileen Curtin		
	Jade Escobar		
	Meghan McDonnell		
	Shaun McDonnell		
13	Cristina Mateo		
	Jorge Garcia		
14	Kevin Negrats		
	William Crowley		
15	Aarohi Joshi		
	Amisha Soni		
	Avnish Soni		
	Kirti Joshi		
	Maulesh Soni		
16	Julie Kroner		
	Todd Kroner		
17	Jose Biju		
	Lijimol Biju		
	Lijimol Scaria		
18	Cathryn Szekely		
	Claudio Corsi		
19	Bhanoben Patel		
. •	Khushalbhai Patel		
	Kokila Patel		
	Niket Patel		
	Praful Patel		
	Rajesh Patel		
21	David Lin		
41	Hoan Chung		
	rioan onung		

WESTWOOD ST 2020 (Cont'd)

	(60.000)
•	
21	Jeanne Lin
	Jessica Lin
22	Paul Baldi
23	Christopher Kraft
	Georgia Kraft
24	Helen Munro
	Janie Munro
	Jillian Munro
	John Cherubino
	Kenneth Munro
25	Futaba Shioda
	Keiko Shioda
	Marimo Shioda
	Toshihiro Shioda
26	Cecilia Chiang
	Pauline Chiang
	Pijian Chiang
	Simon Chiang
07	XI Chiang
27	Jon Washisko
00	Theresa Washisko
28	Manu Bhalla
	Meena Bhalla
	Tanishq Bhalla
20	Vijay Bhalla
29	John Seremetis Paula Seremetis
32	
32	Gary Yu Ken Yu
	Kin Yu
33	Danielle Barrett
33	Michael Fatal
	Nicholas Barrett
34	Alan Lee
35	Alberto Grandi
33	Cameron Bugley
	Gloria Bugley
	Maria Grandi
	Olivia Grandi
	Tyler Bugley
37	Tien Doan
39	Kimberly Tolpa
00	Steven Tolpa
40	A-Z DESIGN & BUILD INC
.0	Kevin Thibodeau
	Marion Grant
	Melanie Thibodeau
41	Lois Turnbull
•	Thomas Turnbull
43	Edward Mullen

Target Street Cross Street Source
- Source EDR Digital Archive

WESTWOOD ST 2020 (Cont'd)

40	Manial atlant Mantin
43	Manickathan Martin T Manickathan-Martin
44	Hilbert Fitch
	Jeane Fitch
45	Ellen Mendes
	John Mendes
	Michael Mendes
46	Brenda McCarthy
	Matthew McCarthy
	Michael McCarthy
48	Deanna Duffy
	Michael Williams
	Pamela Duffy
	Pamela Williams
49	Sean Duffy Donna Ross
43	Harvey Ross
50	John Defrancesco
	Martha Defrancesco
51	Christine Boermeester
	Kenneth Boermeester
52	Serhiy Kovbasa
53	Felicity Ho
	Troi Dip
54	Michelle Araujo
	Michelle Ferreira
55	Allan McCombs Iveta Dolansky
56	Brian Wilshusen
30	Eric Wilshusen
	Kelly Wilshusen
	Mark Wilshusen
	Stewart Nash
58	Corrie Curtice
	Eric Curtice
60	Alicia Doble
	Dennis Doble
	Gregory Doble
00	Lenora Doble
62	Chander Patil
	Gaurav Patil Poonam Patil
	Reshma Patil
64	Cassandra Papas
.	John Papas
	Matthew Papas
	- 1

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

✓ - Cole Information

	2011
91	SCOTT, CAROL
174	GULIANI, ABHINAV
176	SNYDER, JAY
177	WHEELER, HAROLD E
178	NAGRAJ, DINESH S
179	VILLANDRY, JOAN F
180	SPYROPOULOS, GREGORY J
181	TORRE, FREDDY D
182	MELLO, DJ
184	DINITTO, COSMOS
185	PATEL, DHIRU K
186	CLARK, DENISE
187	WEISS, ARTHUR R
189	LEWIS, ERIC M
190	ROMAGNA, PETER R
191	SCOTT, DAVID R
192	SCHISSLER, STEPHEN M
193	MAGRANE, BYRON M
194	LAU, KIM E
195	WALTON, JAMES J
196	COTE, SHAWN
200	LAJOIE, PHILIP C
202	TUCKER, EMANUEL J
204	COLLINS, JOHN P
206	MCGOWAN, DONALD A
207	MOLLICA, RONALD A
208	ABRAMO, PHILIP J
209	HUDSON, RAYMOND A
210	MANCINI, TODD M
211	EDWARDS, MICHAEL M
212	RILEY, THOMAS L
213	BOIVIN, WILLIAM F
214	COCHRAN, MARY L
216	OCCUPANT UNKNOWN,
218	FLYNN, PAUL J
220	BUONOPANE, MICHAEL
222	CASEY, KATHLEEN M
224	FREDA, ANTHONY E
226	AARONSON, BENJAMIN S
228	SHEEHAN, KEVIN M
229	NIEDERMEIER, PATRICK J
230	SPINAZOLA, JOSEPH E
231	HEALY, JAMES A
232	SAVAGE, MARK D
233	SHERIDAN, MARY C
234	LAMB, JOANM M
235	PANAGIOTIS, WILLIAM W
236	OLEY, EDWIN J
237	PORTER, JOHN F
238	MACDONALD, ROBERT A

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

✓ - Cole Information

FOX HILL RD 2014 (Cont'd)

	FOX HILL RD	2014	(Cont'd)	
239	PERDICHIZZI, RICHARD F			
240	SOOHOO, LYNNA Y			
243	VITA, KRISTIN M			
245	PATTI, ANTHONY R			
246	ZAMANIAN, BERJ			
247	BURKE, RICHARD M			
248	HUMPHREYS, CARL S			
249	ROTH, PAUL F			
250	OCCUPANT UNKNOWN,			
251	FOSTER, BRUCE D			

WESTWOOD OT

- 1 SULLIVAN, JOSEPH J
- 2 CAYON, SCOTT M
- 3 OCCUPANT UNKNOWN,
- 4 CARNELL, CHARLES E
- 5 ANTON, MICHAEL J
- 7 LAMB, GREGORY L
- 9 TAUR, JAN S
- 11 GORMAN, JOHN F
- 12 CURTIN, KEVIN
- 14 KOTHAPALLI, ARUNA
- 15 SONI, MAULESH
- 16 KRONER, TODD P
- 17 OCCUPANT UNKNOWN,
- 18 CORSI, CLAUDIO
- 19 PATEL, RAJESH K
- 21 LIN, HING D
- 22 BALDI, PAUL R
- 23 KRAFT, CHRISTOPHER K
- 24 MUNRO, KENNETH J
- 25 SHIODA, TOSHI
- 26 CHIANG, PIJIAN
- 27 WASHIKO, JON C
- 28 BHALLA, VIJAY M
- 29 SEREMETIS, JOHN J
- 32 YU, KEN C
- 33 FATAL, FRANCIS J
- 34 LEE, ALAN T
- 35 GRANDI, GLORIA L
- 37 NICHOLS, MICHAEL B
- 39 TOLPA, STEVEN J
- 40 GRANT, MARION L
- 41 TURNBULL, THOMAS E
- 43 MULLEN, EDWARD B
- 44 FITCH, HILBERT E
- 45 MENDES, ELLEN R
- 46 MCCARTHY, MICHAEL J
- 47 BRANDT, MARGARET
- 48 WILLIAMS, PAM M
- 49 ROSS, HARVEY B
- 50 DEFRANCESCO, JOHN A
- 51 BOERMEESTER, KENNETH J
- 52 KOVBASA, SERHIY
- 53 LY, MICHAEL
- 54 OCCUPANT UNKNOWN,
- 55 MCCOMBS, ALLAN W
- 56 WILSHUSEN, ERIC J
- 58 CURTICE, JOAN A
- 62 PATIL, GAURAV C
- 64 PAPAS, CASSANDRA M

Target Street

Cross Street

J

Source Cole Information

176	IYER, GANESH K
177	ANDERSON, MATTHEW
177	NAGRAJ, DIN
	VILLANDRY, JOAN F
179	
180	SPYROPOULOS, GREGORY
181	TORRE, FREDDY D
182	MELLO, DANIEL J
184	DI, NITTO
185	PATEL, DHIRU K
186	CLARK, DENISE J
187	WEISS, ARTHUR R
189	LEWIS, ERIC M
190	ROMAGNA, PETER R
192	SCHISSLER, STEPHEN M
193	MAGRANE, BYRON M
194	LAU, KIM E
196	KELLY, STEVE M
200	LAJOIE, PHILIP C
202	TUCKER, EMANUEL J
204	COLLINS, JOHN P
206	MCGOWAN, DONALD A
207	MOLLICA, RONALD A
208	ABRAMO, PHILIP J
209	HUDSON, RAYMOND A
	PHILLIPS, LILLIAN B
210	EDWARDS, MICHAEL M
211	
212	MCSHEFFREY, JILL
213	BOIVIN, WILLIAM F
214	COCHRAN, MARY L
216	BUTLER, RICHARD
220	BUONOPANE, MICHAEL
224	TRABUCCO, ROSE
226	AARONSON, BENJAMIN S
228	RUSSO, CHARLES
229	NIEDERMEIER, PATRICK J
231	HEALY, JAMES A
232	SAVAGE, MARK D
233	SHERIDAN, THOMAS F
234	LAMB, JOANM M
235	BURGOMASTER, JOAN E
236	OLEY, EDWIN J
237	PORTER, LORE A
238	MACDONALD, ROBERT J
239	PERDICHIZZI, RICHARD F
241	SULLIVAN, THERESA A
243	VITA, KRISTIN M
	PATTI, ANTHONY R
245 246	
246	ZAMANIAN, BERJ
247	BURKE, RICHARD M
248	HUMPHREYS, CARL S

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

✓ - Cole Information

FOX HILL RD 2010 (Cont'd)

ROTH, PAUL F 249 VIAPIANO, ANTHONY J 250 251 FOSTER, BRUCE D

- 1 SHIELDS, ELWOOD N
- 2 MCLAUGHLIN, RICHARD B
- 3 COTE, JOSEPH G
- 4 CARNELL, CHARLES E
- 5 ANTON, PAULA A
- 7 LAMB, GREGORY L
- 9 TAUR, JAN S
- 11 GORMAN, JOHN F
- 12 CURTIN, EILEEN
- 13 ANDERSON, ARTHUR L
- 14 NEGROTTI, KEVIN H
- 15 GAILIUS, STANLEY
- 16 KRONER, TODD P
- 17 MELESCHUK, EDWARD L
- 18 CORSI, CLAUDIO
- 19 PATEL, RAMBHAI
- 21 LIN, HING D
- 22 BALDI, PAUL R
- 23 KRAFT, CHRISTOPHER K
- 24 MUNRO, KENNETH J
- 25 SHIODA, TOSHIHIRO
- 26 CHIANG, PIJIAN
- 27 WASHIKO, JON C
- 28 BHALLA, J K
- 29 SEREMETIS, JOHN J
- 32 YU, KEN C
- 33 FATAL, FRANCIS J
- 34 LIND, MAYNARD M
- 35 GRANDI, ALBERTO D
- 37 NICHOLS, RICHARD D
- 39 JAKED, R A
- 40 GRANT, MARION
- 41 TURNBULL, THOMAS E
- 43 MULLEN, EDWARD B
- 44 FITCH, HILBERT E
- 45 GILMAN, LOUIS
- 46 MCCARTHY, MICHAEL J
- 47 GOLDSTEIN, NUKE
- 48 DUFFY, THOMAS W
- 49 ROSS, HARVEY B
- 50 DEFRANCESCO, JOHN A
- 51 BOERMEESTER, KENNETH J
- 52 KOVBASA, SERHIY
- 53 LY, MICHAEL
- 56 WILSHUSEN, ERIC J
- 58 CURTICE, JOAN A
- 60 DOBLE, DENNIS S
- 62 PATIL, CHANDER P
- 64 PAPAS, CASSANDRA

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

✓ - Cole Information

	IOXIIILLIND	2003
176	FULCHER, ALAN R	
177	ANDERSON, LYNDA S	
178	NAGRAJ, DINESH S	
179	CALAUTTI, JOAN F	
180	CATANESE, GARY L	
181	TORRE, FREDDY D	
182	MCCANN, WILLIAM F	
184	DINITTO, COSMO	
186	CLARK, DENISE J	
187	WEISS, ARTHUR R	
189	LEWIS, ERIC M	
190	ROMAGNA, PETER R	
191	SCOTT, DAVID R	
192	SCHISSLER, STEPHEN M	
193	RUBIN, LAWRENCE I	
194	LAU, KIM E	
195	WALTON, JAMES J	
196	COHEN, BOB N	
200	GULLA, DAVID R	
202	TUCKER, EMANUEL J	
204	COLLINS, JOHN P	
206	MCGOWAN, DONALD A	
207	MOLLICA, ROBERT J	
208	GILL, DAVINDER S	
209	HUDSON, RAYMOND A	
210	PHILLIPS, LILLIAN B	
211	ESPIN, OLIVA	
212	SPANGLER, JAY E	
213	BOIVIN, WILLIAM S	
214	COCHRAN, MARY L	
216	BUTLER, RICHARD	
218	FLYNN, PAUL J	
220	BUONOPANE, MICHAEL	
224	FREDA, ANTHONY E	
226	JONES, ROBERT E	
228	SHEEHAN, KEVIN M	
229	MARY, ROSE S	
230	SPINAZOLA, JOSEPH E	
231	HEALY, JAMES A	
232	MARK D SAVAGE CPA	
222	SAVAGE, MARK D	
233	SHERIDAN, THOMAS F LAMB, JOANM M	
234 235	•	
	BURGOMASTER, JOAN E	
236 237	OLEY, EDWIN J PORTER, LORE A	
23 <i>1</i> 238	MACDONALD, ROBERT M	
239	PERDICHIZZI, RICHARD F	
239 241	SULLIVAN, ROBERT L	
243	MCCARRON, DENNIS E	
240		

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

✓ - Cole Information

FOX HILL RD 2005 (Cont'd)

	FOX HILI	L RD	2005	(Cont'd)
245 246 247 248	PATTI, ANTHONY R ZAMANIAN, BERJ DELOREY, DENNIS E KELLY A DELOREY D C INC KERR, MICHAEL J			
249 250 251	BENJAMIN, PAUL E VIAPIANO, ANTHONY J PHELAN, RICHARD J			

Target Street

Cross Street

<u>Source</u>

Cole Information

WESTWOOD ST 2005

	WES
1 2 3	SHIELDS, ELWOOD N MCLAUGHLIN, RICHARD B COTE, JOSEPH G
4	CARNELL, CHARLES E
5	SHUTAN, MICHAEL J
7	LAMB, GREGORY L
9	WANG, CHIN
11	GORMAN, JOHN F
13	ROCCA, CHRISTOPHER A
14	KOTHAPALLI, PRASAD S
16	ALLEGRETTO, ROBERT J
	CONTINENTAL ARMORER
18	POITRAS, JAMES P
19	PATEL, RAJESH K
21	GAUTHIER, PAUL A
22	BALDI, PAUL R
23	KRAFT, CHRISTOPHER K
24 25	MUNRO, KENNETH J SHIODA, TOSHIHIRO
26	CHIANG, PIJIAN
27	WASHISKO, JON C
28	LI, SICHU
29	WAGER, STACEY L
32	YU, GARY K
33	FATAL, FRANCIS J
34	LIND, MAYNARD M
35	GRANDI, ALBERTO D
37	NICHOLS, RICHARD D
39	SCAVEZZE, DANIEL C
40	DAY, CLARA E
41	TURNBULL, THOMAS E
43	MULLEN, EDWARD B
44	FITCH, HILBERT E
46	MCCARTHY, MICHAEL J
47	CARBON PROJECT INC
4.0	GOLDSTEIN, HANOCH
48	DEVITO, PAMELA M
49	ROSS, HARVEY B
50	DEFRANCESCO, JOHN A
51 52	DIRUSSO, RAYMOND A
52 53	DIANA, RALPH L
	LY, MICHAEL
56 58	WILSHUSEN, ERIC J CURTICE, JOAN A
58 60	DOBLE, GREGORY J
UU	DODLE, GNEGONI J

PATIL, CHANDER B

PAPAS, JOHN M

62

64

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

✓ - Cole Information

174 176 177 178 180 182 186 187 190 191 192 193 194 195 196 202 204 206 207 208 209 210 213 214 216 218 220 224 228 229 230 231 232 233 234 236 237 238 239 243 245 246 247	ROBERTS, PETER FULCHER, ALAN ANDERSON, LYNDA S LI, RENNY CATANESE, GARY J MCCANN, WILLIAM CLARK, DENISE WEISS, ARTHUR ROMAGNA, PETER P SCOTT, DAVID SCHISSLER, STEPHEN M RUBIN, JOSHUA LAU, KIM E WALTON, JAMES J COHEN, JEFF TUCKER, EMANUEL J COLLINS, JOHN P MCGOWAN, DONALD A MOORE, ARTHUR R NARAYAN, KUSUM HUDSON, RAYMOND A PHILLIPS, LILLIAN B BOIVIN, WILLIAM COCHRAN, PAUL M BUTLER, RICHARD FLYNN, PAUL J SWAIN, ROBERT E MORGANELLI, STEVEN TRABUCCO, PAUL G SHEEHAN, KEVIN SOLOSKI, MARY R CASEY, K M SPINAZOLA, JOSEPH E RUD, E SAVAGE, MARK SHERIDAN, THOMAS F LAMB, RONALD OLEY, EDWIN J PORTER, JOHN F MACDONALD, ROBERT J PERDICHIZZI, RICHARD MCCARRON, DENNIS PATTI, ANTHONY ZAMANIAN, BERJ DELOREY, DENNIS
246	PATTI, ANTHONY ZAMANIAN, BERJ
249	BENJAMIN, PAUL E ROTH PAUL ATTORNEY ROTH, PAUL F

Target Street

Cross Street

<u>Source</u> Cole Information

WESTWOOD ST 2000

0	IONEC WALTED F
2	JONES, WALTER E MAUCHAN, P
	MCLAUGHLIN, RICHARD
3	SARKODIEMENSAH, E
4	CARNELL, CHARLES E
5	SHUTAN, MICHAEL J
7	LAMB, GREGORY
9	ROCKWELL, K M
11	GORMAN, JOHN F
12	CHAPMAN, DOUGLAS C
13	ROCCA, CHRIS
14	KOTHAPALLI, PRASAD
15	GAILIUS, S V
.0	GAILUS, STANLEY
16	ALLEGRETTO, ROBERT S
17	MELESCHUK, EDWARD
21	OPPEDISANO, PAUL J
23	KRAFT, GEORGIA
24	MUNRO, KENNETH J
25	SHIODA, T
27	WASHISKO, JON
28	WALDEN, DEBORAH
29	OHALLERAN, PATRICK
32	YU, K
33	FATAL, ANNE E
34	LIND, MAYNARD M
35	GRANDI, GLORIA
37	NICHOLS, RICHARD D
39	YIN, MARK
40	DAY, EUGENE L
41	TURNBULL, THOMAS E
43	MULLEN, EDWARD
44	FITCH, HILBERT E
45	GILMAN, CHARLES S
46	MCCARTHY, MICHAEL J
47	CHIUVE, ROBERT J
48	DEVITO, P M
49	ROSS, HARVEY B
51	DIRUSSO, RAYMOND
52	DIANA, LORENZO
53	CADOTTE, ARIC
55 56	LEVINE, DAVID
56 50	NASH, STEWART
58 60	CURTICE, JOAN
60 64	DOBLE, DENNIS M
64	PAPAS, JOHN

Target Street **Cross Street**

<u>Source</u> Cole Information

174	ROBERTS, PETER DR & BETHAN
177	ANDERSON, CHRISTOPHER & LYNDA
178	LIMBACHIYA, PRAVEEN
	LIMBACHIYA, PRAVEEN & NISHTHA
179	CALAUTTI, J
185	GOLDIE, JAS
186	CLARK, D
187	WEISS, ARTHUR
189	LAWSON, JAS
190	ROMAGNA, PETER R
191	SCOTT, DAVID & CAROL
	SIMPSON, RICHARD & SUSAN
193	RUBIN, LAWRENCE I
	RUBIN, MICHELLE & JOSHUA
194	LAU, K
195	WALTON, JAS J & NANCY
202	TUCKER, EMANUEL J
204	COLLINS, JOHN P
206	MC GOWAN, DONALD A
	MCGOWAN, STEPHEN
208	DELUCA, MICHAEL & EMILY
209	HUDSON, RAYMOND A & MARIA
212	SPANGLER, STANLEY L
213	BOIVIN, BILL & JANE
214	COCHRAN, PAUL M
216	BUTLER, RICHARD
218	FLYNN, PAUL J & DEBRA L
220	SWAIN, ROBT E
222	MORGANELLI, STEVEN & DEBRA
224	TRABUCCO, L
	TRABUCCO, PAUL G
226	CARROLL, ROBT A
229	SOLOSKI, M R
230	CASEY, KATHLEEN M
	SPINAZOLA, JOS E
232	SAVAGE, MARK & PAULETTE
233	SHERIDAN, THOS F
234	LAMB, RONALD
236	OLEY, EDWIN J
237	O'CONNELL, MICHAEL & LAUREL
238	MACDONALD, ROBT J
239	PERDICHIZZI, R F
246	ZAMANIAN, BERJ
247	DELOREY, DENNIS
248	KING, NEIL
249	BENJAMIN, PAUL E
	ROTH, PAUL F
	ROTH, PAUL, ATTY

Target Street

Cross Street

Source
Cole Information

WESTWOOD ST 1995

SHIELDS, AL N 1 2 MAUCHAN, JOS F MCLAUGHLIN, RICHARD 3 ULTSCH, IRENE ULTSCH, TAMMY 4 CARNELL, CHAS E 5 SHUTAN, MICHAEL JAY 7 LAMB, GREGORY & ANDREA 11 GORMAN, JOHN F 12 CHAPMAN, DOUGLAS C 13 ROCCA, CHRIS & SUSAN 14 KOTHAPALLI, PRASAD & RAJANA 15 GAILUS, STANLEY 16 ALLEGRETTO, R S & M J 17 GEAR, WM L SARENDRAM, FARAVAMA & POO 19 23 KRAFT, G 24 MUNRO, KJ 25 NICHOLS, MI 27 GEAR, ROBT C 29 LEE, LIZ & DONNA LEE, WILLIAM R, III 32 YU, K 33 FATAL, A & J 34 LIND, MAYNARD M 35 GRANDI, GLORIA 37 NICHOLS, RICHARD D & JOYCE E 39 FONG, WAYNE M 40 DAY, EUGENE L 41 VOLPE, C C 43 MULLEN, EDW & JEAN 44 FITCH, HILBERT E 45 GILMAN, CHAS S 46 MCCARTHY, MICHAEL J 47 CHIUVE, ROBT J 49 ROSS, HB 51 DIRUSSO, RAYMOND JR & DONNA 52 DIANA, L 53 CADOTTE, ARIC CADOTTE, RYAN 54 NAG, SUMIT & SUMITRA NAG, SUMITRA & SUMIT 55 LEVINE, DAVID & ROSALYN 56 NASH, STEWART

58

64

BLAIS, M CURTICE, J

HARRIGAN, THOS & SUSAN

Target Street

Cross Street

Source
Cole Information

177	ANDERSON, CHRISTOPHER & LYNDA
178	BEER, S & N
179	CALAUTTI, ROBT
180	COUGHLIN, PAUL
185	GOLDIE, JAS
187	WEISS, ARTHUR
189	LAWSON, JAS
190	TABALDI, JUNE
191	SCOTT, DAVID & CAROL
	SIMPSON, RICHARD & SUSAN
193	RUBIN, LAWRENCE I
	RUBIN, MICHELLE & JOSHUA
194	LAU, K
195	WALTON, JAS J & NANCY
202	TUCKER, EMANUEL J
204	COLLINS, JOHN P
206	MC GOWAN, DONALD A
208	DELUCA, MICHAEL & EMILY
209	HUDSON, RAYMOND A & MARIA
210	PHILLIPS, L B
212	SPANGLER, STANLEY L
213	MORRIS, JOHN
214	COCHRAN, PAUL M
216	BUTLER, RICHARD
218	FLYNN, PAUL J & DEBRA L
	SHANLEY, DONALD J & ESTELLE
220	SWAIN, ROBT E
222	MORGANELLI, STEVEN & DEBRA
224	TRABUCCO, PAUL G
226	CARROLL, ROBT A
229	SOLOSKI, M R
230	CASEY, KATHLEEN M
	SPINAZOLA, JOS E
231	HUNTER, MARK
	RUD, MATTHEW J
233	SHERIDAN, THOS F
234	LAMB, GREGORY & ANDREA
	LAMB, RONALD
236	OLEY, EDWIN J
237	O'CONNELL, MICHAEL & LAUREL
238	MACDONALD, DOUGLAS
	MACDONALD, ROBT J
239	PERDICHIZZI, R F
246	ZAMANIAN, BERJ
247	DELOREY, DENNIS
248	KING, NEIL
249	MEA, A

Target Street Cross Street Source
- Cole Information

WESTWOOD ST 1992

4	CHIELDO AL M
1 2	SHIELDS, AL N
2	MAUCHAN, JOS F
0	MCLAUGHLIN, RICHARD
3	ULTSCH, IRENE
4	ULTSCH, TAMMY
4	CARNELL, CHAS E
5	SHUTAN, MICHAEL JAY
7	CANNING, KENNETH JR & DONNA
9	KEAVY, ALBERT & MARIE
12	CHAPMAN, DOUGLAS C
13	SEFCIK, SUSAN
15	GAILUS, STANLEY
19	SARENDRAM, FARAVAMA & POO
23	KRAFT, G
24	MUNRO, K J
25	NICHOLS, M I
27	GEAR, ROBT C
29	LEE, WILLIAM R, III
32	YU, K
33	FATAL, A & J
34	LIND, MAYNARD M
37	NICHOLS, RICHARD D & JOYCE E
39	FONG, CONRAD
40	DAY, EUGENE L
41	CHAMBERLAIN, JOHN J, JR
43	MULLEN, EDW & JEAN
44	FITCH, HILBERT E
45	MAKRIS, MILTON I
46	MCCARTHY, MICHAEL J
47	CHIUVE, ROBT J
49	ROSS, H B
51	DIRUSSO, RAYMOND JR & DONNA
53	CADOTTE, RACHELLE
54	NAG, SUMITRA & SUMIT
55	LEVINE, DAVID & ROSALYN
56	JOHNSON, TOM F & J A

58

64

CURTICE, J

MCPHERSON, MICHAEL & CHERYL

HARRIGAN, THOS & SUSAN

Comparison Com		I OX IIII		1303
From 12 Newbridge Ave Stope 589 Regular Pathway 90 C13232 18. C161 2 John Woodbury Jr. 84 229 - 230 3 Seminal Shahim 20 273 - 284 1 John 2 Seminal Shahim 20 273 - 284 1 John 2 Seminal Shahim 2 S	26	NP Peter E McCafferty	01803 273 - 0169 272 - 2548	NO # John E Burgomaster .73 272 – 5123 NO # Agostin R Gulla .73 272 – 4896 NO # Joseph F Hayes .73 272 – 5061 NO # William F McGarry .73 272 – 5241
From 12 Newbridge Ave Stope 589 Regular Pathway 90 C13232 18. C161 2 John Woodbury Jr. 84 229 - 230 3 Seminal Shahim 20 273 - 284 1 John 2 Seminal Shahim 20 273 - 284 1 John 2 Seminal Shahim 2 S		Richard F Steadman	273 – 2082 272 – 7062	
Region Part Region Reg	● FO Begin	REST RD is Pathwood Ave To Dead E	01803	From 12 Newbridge Ave Stops 68 Winn Street
Region Part Region Reg	2 3	John E Woodbury Jr 84 Samuel Shukri 80	229 - 2330 273 - 2847	1 Daniel O'Brien
Region Part Region Reg	5	Ronald Gengo 86 Ralph F Coveno Jr 68 Larry Kerstein 82	272 - 7749 272 - 2712 272 - 6912	2 M Bussell
Region Part Region Reg	7 8	Russell L Petersen	272 - 0786 272 - 5597	5 Gordon C Thomson 60 272 – 2338 6 Michael Penta 59 272 – 2294
Region Part Region Reg	NO #	Frank A Gengo	272 - 3414	7 James F Kelleher 68 272-4589 Linda M Kelleher 75 273-4452 9★ Dencon Sturct Svce 87 229-0200
Region Part Region Reg	● FU	ISTER HD	01803	Dennis Ferry
Thom Cambridge Street To Dead End 15 John A Crosby 74 273-1628	End 2	1- 99 CT3323 Roger C Plaisted 62	\$BG16 272 - 3781	13 ★ REAR Barltey Joyce
Thom Cambridge Street To Dead End 15 John A Crosby 74 273-1628	4	Victor P Oliver 65 Kenneth P Ray 60 Bonald P Marchand 84	272 - 4915 272 - 1551 229 - 2079	
Thom Cambridge Street To Dead End 15 John A Crosby 74 273-1628	7	Richd T Francis Jr 58 Kevin R Jones 82	272 - 3455 229 - 2928	F 201 C
Thom Cambridge Street To Dead End 15 John A Crosby 74 273-1628	9	Audrey E Taub	273 - 9383 272 - 0321	0 Reid Brathwaite 85 273 – 2742 1 Robert D MacLean – 272 – 8619
Thom Cambridge Street To Dead End 15 John A Crosby 74 273-1628		E C Sickler	272 - 2049 229 - 6530 229 - 6530	2 Michael Bova
Thom Cambridge Street To Dead End 15 John A Crosby 74 273-1628		Eugene Shvartsman 83 Maxwell Higden 83 Wayne Hinden 81	272 - 0085 272 - 6586 272 - 1069	6 Berj Nercessian 79 273 – 4058 7 George Mosnicka 59 272 – 3562
Thom Cambridge Street To Dead End 15 John A Crosby 74 273-1628	19	Frank G Bausch 59 Keyin Carr	272-1186	Maryalyce Battcock 83 272 – 6341
Thom Cambridge Street To Dead End 15 John A Crosby 74 273-1628		18 RESIDENCE	01803	13 Stella H Bielasz
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	From End	Cambridge Street To Dead	0.000	15 John A Crosby
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	1 2	W Thomas Curry 68 Arthur E Smith 87	272 – 5473 270 – 6759	John E Waters Jr 87 272 - 2460 19 Frank T Scutellaro 60 272 - 3864 21 22 24 NP
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	3 4	Kevin M Mills 83	229 - 6792	25 * Dr Walter M Wing 272-3883 28 Leroy J Davis
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	5	Louis C Nocca	272 - 5894 272 - 0736 273 - 1664	31 Joseph V Dlivey 58 272 – 3645 32 Richard A Morse 85 272 – 6844
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	7	9 RESIDENCE NP		33 F M Seymour
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	Benin	JWLEK TERK Is Terrace Hill Avenue Runs		3/ Luis Quinones
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	. 1	1- 99 CT3324 N A Cirillo Jr 68 Michael J Petripo	\$AH16 272-3380 272-9390	Paul Paresky
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	3 4	John Sousa 85	273 - 1150	41 George W Creamer
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	6 7	Louise E Donovan	272 - 3162 273 - 2100	44 Walter G Decost 272 - 4557 45 Alfred A Chaput 80 272 - 1181
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	8 9	G W Davidson	272 - 5188 229 - 2761 272 - 5720	47 Miller G Tsotsi
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	10 11 13	David L Smith	272 - 7622 272 - 2308 273 - 1782	50 Edward C Papski
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	• F0	12 RESIDENCE 1	BUSINESS 01803	53 Michael Minichino 74 272 - 0190 54 Robert E Anderson 78 272 - 0119 55 Francis R Rais 62 272 - 0148
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	Begin 177	ns Beaver Brook To Dead En 1- 299 CT3321 C Anderson 84	\$AF17 272 - 4913	P Rais
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	178 179	S Beer 82 Robert Calautti	229 - 2320 273 - 3118	59 William F Dillon
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	184 185	James Goldie	229 - 2560	* Lovering Signs 0 272 – 2284 63 W H Sherbourne
191 J Giampa 87 270-9735 68 John D Steele 87 272-4487 78 78 78 78 78 78 78	187 189	Arthur Weiss 87 James Lawson 87	229 - 2408 229 - 4822	C K McElwain
Donald J. Shanley		A DI ASIIOR CIIALWAIII	270 - 9735	67 John D Steele
Donald J. Shanley	193 194	Lawrence Rubin	272 - 1312 272 - 6595	69 ★ Aic Inc
Donald J. Shanley	195 196	James J Walton	273 - 3809 272 - 7294	73
Donald J. Shanley	204 206	John P Collins 62 Donald A McGowan 87	272 - 0986 272 - 0529	76 Scott Ferguson
Donald J. Shanley	208 209	P Decristo	273 - 0237 229 - 2964	78 Arthur L Proulx
Donald J. Shanley	212	Stanley L Spangler	272 - 5367 272 - 0832	81 Donna A Austin
Donald J. Shanley	216	Paul M Cochran	272 - 0098 272 - 5523 272 - 3651	82 Gunnar Hemmingson
232	218	Paul J Flynn	272 - 1332 272 - 2095 273 - 3753	84 James Miller
232	222	Robert E Swain	272 - 5374 273 - 5588 272 - 1830	88 John A Nicoli
232	226 229	Robert A Carroll	272 - 4246 272 - 4971 272 - 9592	92 James Boughman 87 229 – 1869 93 Donald W Ganley Sr 74 272 – 1132
10 10 10 10 10 10 10 10	231	David Rud		97 William L Flaherty
Edwin Joley	234	Ronald Lamb	229 - 8090	100 William Flaherty
239 R F Perdichizzi	237 238	Edwin J Oley 65 Michael Tenore 65 Robert J MacDonald 65	272 - 1536 272 - 5466 272 - 0212	102 Chris Murphy
247 Dennis Delorey 82 272-5342 109 Chas W Carruthers 72 272-9760 248 Neil King 82 272-4596 110 NP NP 249 A Mea 62 272-5494 111 A L Santagate 72 272-5217 250 NP 112 John J Connors 62 272-1720	239 241	R F Perdichizzi	272 - 5942 272 - 8159	106 107 Douglas Sperry
250 NP 112 John J Connars 62 272 - 1720	247 248	Dennis Delorey 82	272 - 5342 272 - 4696	109 Chas W Carruthers
		NP NP	2.2.3434	112 John J Cannors 62 272 – 1720

♠ WI	STWOOD ST	01803
	ilmington Road To Dead En	
UII W	1- 99 CT3321	
1	Al N Shields 65	
2	Joseph F Mauchan 85	ALC: 1 1000 100 100 100 1000 1000 1000 100
2	Richard McLaughlin 62	
3	Irene Ultsch	
4	Charles E Carnell 86	
5	Michael Jay Shutan . 86	
5 7	Kenneth Canning Jr	272 - 3636
ģ	Albert Keavy 84	
12	Douglas C Chapman 62	
15	Stanley Gailus	272 - 5847
19	21 NP	212-3041
23	21 NP G Kraft 80	273_2932
24	K J Munro	273 - 1592
25	Alan Fairfax	273 4727
27	Pobl C Case 87	272 - 8354
28	Robt C Gear 87	212-0334
32	NР К Yu	272 – 7093
33	Wayne Hyam 86	
34	Maynard M Lind 71	272 - 0454
35	Maria H Grandi 84	229 - 8949
37	Richard D Nichols 74	272 - 6647
39	Conrad Fong 84	229 - 6558
40	Eugene L Day	
41	J J Chamberlain Jr 79	
43	Edward Mullen 74	272 - 8780
44	Hilbert E Fitch 62	272 - 1904
45	Milton I Makris 83	272-0943
46	Michael J McCarthy 83	
47	Robert J Chiuve 85	273 - 1198
48	C Caetano 82	
49	H B Ross	272 - 5563
51	Raymond Dirusso Jr 85	내용이 그렇게 하면 그렇게 되었다면 뭐 하다 그 때문에 다 되었다.
52	C Diana	229 - 6343
55	David Levine 87	
56	Tom F Johnson 78	
58	J Curtice	20 03
		273 – 1303
62	Chander Patil 87	
64	Jas Franey 87	272 - 3099
	40 RESIDENCE	

Begin	ILL RD B s Beaver c To Dead End	URLGTN
BIOOF		. 01803
	019310	
177	I-Kang Huang82	229-2045
178	S Beer	229-2320
179	Robert Calautti	273-3118
180	Paul Coughlin	272-0822
184		
185	Joseph Pimentel Jr 79	
186	Ralph W Hosey80	
187	Howard H Ma80	273-1733
189	NP	270 0050
190	P Raghuraman	
191	Richard Simpson 80	272-6046
192	Alec A Viahos Jr	272-4114
193	Lawrence I Rubin	272-1312
194	Rob Cohon 90	272-7442
196 202	Bob Cohen80 Emanuel J Tucker72	
202	John P Collins	
207	Deborah Ann Moore 80	
209	Albert J Dubois	272-2040
210	Lillian B Phillips62	
212	Stanley I Spangler 70	272-5367
213	Stanley L Spangler	272-0098
214	Paul M Cochran 62	272-5523
216	Richard Butler	
218	Donald J Shanley 62	
220	Robert E Swain 62	
222	Alan G Hirst81	
224	Paul G Trabucco 62	272-1830
226	Robert A Carroll	
229	Richard E Soloski 69	
230	Albert J Schmider 65	
231	David Rud	
232	Andrew Johnson	272-7845
233	Thomas F Sheridan 62	272-5099
234	Ronald Lamb65	
236	Edwin J Oley	
237	Michael Tenore65	
238	Robert J MacDonald 65	
239	R F Perdichizzi	272-5942
241 24 6	Pori Zamanian 73	272-8159
247	Berj Zamanian	
247	Neil King	
249	A Mea	
- 243	M Mea	
250	Edward D Crosby	
No #	John E Burgomaster	272-5123
No #	M G Geragosian	
No #	Agostin R Gulla	272-4896
No #	Joseph F Hayes	272-5061
No #	William F McGarry	272-5241
No #	Richard J Phelan	272-1627
	52 Residence	

25 Robert B Bradbury .75 684-832 26 Philip Maguire .75 684-32 27 Anthony M Morett .80 684-32 28 William J Murphy .77 684-28 29 Mingler P Cuozzo .76 684-31 31 Robert P Cuozzo .76 684-31 32 Anthony Moda .76 664-47 34 Michael W Forrest .76 664-66 39 Peter A Wheeler .79 664-36 No # D W Bergamasco .75 664-28 No # D W Bergamasco .75 664-22	7 51
30 Residence 2 Busines	1- 99 TZ3353 \$B
WESTWOOD RD MEDFORE From 30 Sherwood Road Yo	0 054770 \$B
Road Yo	5 John H Johnson
1- 198 T73391 SA	Mark Pebley
054740 18 J Harrington Jr	James J Callanan
22 E A Scalzilli	 15 John F Maguire Jr 56 245-5665 17 Orlando J Fratto 71 245-5536
30 M J Harris	6 18 John C Comeford 63 245-3502 8 19 Jas J Callanan Jr 246-4131
39	21 Gaston E Loubris
41 Samuel Alosso /6 396-628	30 John J Hurton Jr
★J Gordon Cocks	7 16 Residence
Mrs P Jos Corrigan	WHEATLAND ST BURLGTN
57 Peter L Kearin	9 Road To Dead End 7 01803
65 Giro Tonzillo	0 054780 6 1 Ralph H Segel 73 272-1063
71 Karl A Niemi	3 4 W H Koutrouba 65 272-2148 2 6 Robert Mottolo
76 James Gardner 396-141 Paul V Gardner	6 9 Carole Scotto
81 W Alessandrini	11 John F Kenney
86 Joseph Ronchetti	6 15 H Shannon
96 Jerry Citro	6 18 Charles N Elliott
97 G Rudzinski	7 25NP 9 26 Mark Heminway
106 Peter Hendrickson 80 396-515 116 Alfred Dipietro	6 28 George A Skelton
130 Charles P Landry 63 396-603 133 Anthony J Previti 63 396-378	3 33 Rakesh K Aggarwal 273-0203 2 34 Chen Hsi Lin
139 Philip W Towne	3 35 James Dostou 2/2-0232 6 37 James P Dunphy
148	No # John MacDonnell
39 Residence 1 Business	WHEELER AVE MEDFORD
WESTWOOD RD STONEHM From 12 Governor Road To 9 Sherwood St	St Stops 21 Bow
	1- 99 TZ3396 \$D.
1- 125 1233/2 SA.	054790
054750 19 James Reynolds Jr n 438-539	054790 7 Dennis P Creamer
054750 19 James Reynolds Jr	054790 7 Dennis P Creamer68 395-3678 8 Mrs Mary Harris68 395-3678 8 Shirley F Young .81 396-7920 10 William P Todd .65 395-7644
11- 125 1233/2 SA. 054750 19 James Reynolds Jr 438-539 25 NP 36 Patrick J Connolly 70 438-118 39 Stephen MacLeod 82 438-551 42 Francis T Demarchi 63 439-163 43 Raymond P Johnson .63 438-163	054790 7 Dennis P Creamer68 395.3678 6 Mrs Mary Harris68 395.3678 8 Shirley F Young81 396.7920 10 William P Todd65 395.7684 0 14 James Sicuso71 395.8359 15 D Leclerc81 396.9367 16 Leonard81 396.9367
125 L233/2 SA. 19 James Reynolds Jr a 438-539 25 NP 36 Patrick J Connolly 70 438-118 39 Stephen MacLeod 82 438-551 42 Francis T Demarchi 63 438-63 43 Raymond P Johnson 63 438-63 51 Eugene R Cremins 63 438-63 52 C Walter Scott 63 438-64	054790 7. Dennis P. Creamer .68 395.3678 5 Mrs. Mary. Harris .58 395.3678 6 Mrs. Mary. Harris .58 395.7682 7 396.7920 .91 8 5, hirley F. Young .81 396.7920 9 10 William P. Todd .65 395.7648 10 14 James Sicuso .71 395.8359 15 D. Leolerc .81 396.9367 K. Leonard .81 396.9367 17 Tacy Richardson 396.7161 M. F. Teahan .77 396.2166
19 James Reynolds Jr a 438-318 39 Fatrick J Connolly P 438-118 39 Stephen MacLeod 82 438-51 42 Francis I Demarchi 63 438-63 43 Raymond P Johnson 63 438-03 51 Eugene R Cremins 63 438-04 52 C Watter Scott 63 438-04 57 Francis J Burns 63 438-04 58 Frank J Bird Jr 63 438-328	054790 7 Dennis P Creamer .68 395.3678 5 Mrs Mary Harris .68 395.3678 .68 395.3678 6 Shirley F Young .81 396.7920 .81 396.7920 10 William P Todd .65 395.7644 .939.8359 .71 395.8359 5 IS D Leclerc .81 396.9367 K Leonard .81 396.9367 K Leonard .81 396.9367 Tacy Richardson .9 396.7161 M F 736.2166 MP T Laura M Fasano .71 396.8159
19 James Reynolds Jr a 38-38-38 39 September MacLeod 82 438-51 49 Francis I Demarchi 63 438-154 40 Francis I Demarchi 63 438-164 41 Raymond P Johnson 63 438-164 41 Raymond P Johnson 63 438-164 42 Raymond P Johnson 63 438-164 43 Raymond P Johnson 63 438-164 45 Francis J Burns 63 438-164 45 Francis J Burns 63 438-164 45 Francis J Burns 63 438-264 65 Philip A Parlanon 70 438-405 64 Bernard S Lebieck 63 438-110	054790 7 Pennis P Creamer .68 395-3678 6 Mrs Mary Harris .68 395-3678 8 8 hirley F Young .81 395-7920 10 William P Todd .65 395-7644 14 James Sicuso .71 395-8359 15 D Leclerc .81 396-9367 16 K Leonard .81 396-9367 2 M F Teahan .77 396-2166 3 16 NP 4 17 Laura M Fasano .71 396-8159 3 19 Cosmo Devels .73 391-6159 3 19 Cosmo Devels .73 395-6155
19 James Reynolds Jr 3438-18 19 James Reynolds Jr 408-18 38 Patrick J Connolly 70 438-118 39 Stephen MacLeod 82 438-551 42 Francis T Demarchi 63 438-163 51 Eugene R Cremins 63 438-045 52 C Watter Scott 63 438-045 55 Francis J Burds 63 438-045 56 Frank J Bird Jr 63 438-045 57 Francis J Burds 63 438-045 58 Frank J Bird Jr 63 438-328 59 Philip A Parlano 70 438-05 64 Bernard S Lebtecki 63 438-01 67 Stephen T Burham 60 438-324 70 Peter K Forg a 438-614	054790 7 20 20 20 20 20 20 20
19 James Reynolds Jr 438-539 25 NP 38 Parinck Jonnolly NP 39 Stephen MacLeod 82 438-53 44 Francisco Demonstra 348-348 45 Leguene R Cremen 348-348 46 Leguene R Cremen 348-368 47 Francis J Burns 53 438-448 48 Frank J Bird Jr 53 438-448 49 Francis Lebieck 63 438-449 56 Frank J Bird Jr 63 438-449 56 Frank J Bird Jr 63 438-429 56 Panjin A Pantano 70 438-449 56 Frank J Bird Jr 63 438-22 57 Peter K Fong 438-847 79 James R Pallotta 68 438-92 78 Nicholas P Armato 63 438-92 78 Nicholas P Armato 65 438-65 79 Roy Peter 65 438-65	054790 7 0 0 0 0 0 0 0 0
19 James Reynolds Jr 438-539 28 438-539 39 Stephen Med.eard 248-539 39 Stephen Med.eard 248-549 39 Stephen Med.eard 248-545 39 Stephen Med.eard 248-545 39 Stephen Med.eard 248-545 39 Stephen Med.eard 248-255 39 Stephen Forman 248-255 30 Stephen Forman 248-256 31 Eugene R Cremin 248-248-248 31 Eugene R Cremin 248-248-248 31 Francis J Burns 258-248-248-248 32 Philip A Pantano 70 438-328 32 Philip A Pantano 70 438-328 32 Philip A Pantano 70 438-328 32 Philip A Pantano 70 438-528 32 Philip A Pantano 70 438-528 32 Philip A Pantano 70 438-528 32 Philip A Pantano 70 438-614 37 James R Pallotta 68 438-614 37 James R Pallotta 68 438-614 37 James R Pallotta 68 438-614 38 Peter Nelson 28 438-64 48 Peter Nelson 79 438-528 498-618	
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19 James Reynolds Jr 438-539 25 438-539 26 NP 38 Stephen MacLeod 82 438-531 42 Francis I Demarchi 63 438-631 43 Raymond P Johnson 63 438-631 51 Eugene R Cremins 63 438-64 52 C Watter Scott 63 438-64 55 Francis I Burns 63 438-64 56 Frank J Bird Jr 63 438-64 57 Francis J Burns 63 438-64 57 Francis J Burns 63 438-82 63 Philip A Pantano 70 438-60 64 Bernard S Lebiecki 63 438-12 64 Bernard S Lebiecki 63 438-12 70 Peter K Fong 438-64 71 James R Pallotta 65 438-165 79 Roy Pheips 76 438-64 78 NoRTH GATE RD 89 Richard Kalusifan 81 438-131 92 C S Cleveland 81 438-32 94 William J Leonard 63 438-82 95 John J Santosuosso 63 438-83 95 John J Santosuosso 63 438-83 95 John J Santosuosso 63 438-83 95 John J Santosuosso 63 438-83 114 Robert H Bullen 79 438-81 114 Robert H Bullen 79 115 George W Cushman 68 438-419 26 Residence	
## NORTH GATE RD ## NORTH GATE RD ## NORTH GATE RD ## NORTH GATE RD ## A 48 A 438-131 ## William J Leonard 6.8 438-232 ## William J Leonard 6.8 438-828 ## NORTH GATE A 438-131 ## ROBORTH Bullen 7.79 ## 438-421 ## Cashed H Bullen 7.89 ## A 438-431 ## A 438-	
NORTH GATE RD 89 Richard Kaustian .81 438-131 92 C S Cleveland .81 438-231 94 William J Leonard .83 438-233 95 John J Santosuosso .63 438-235 105 George E Phelps .71 438-31 114 Robert H Bullen .79 438-421 115 George W Cushman .68 438-419 26 Residence WESTWOOD ST Off Wilmington Road TO Dead End	02176 3 1 199 TZ3363
NORTH GATE RD 89 Richard Kaustian .81 438-131 92 C S Cleveland .81 438-231 94 William J Leonard .83 438-233 95 John J Santosuosso .63 438-235 105 George E Phelps .71 438-31 114 Robert H Bullen .79 438-421 115 George W Cushman .68 438-419 26 Residence WESTWOOD ST Off Wilmington Road TO Dead End	02176 3 1 199 TZ3363
NORTH GATE RD 89 Richard Kaustian .81 438-131 92 C S Cleveland .81 438-231 94 William J Leonard .83 438-233 95 John J Santosuosso .63 438-235 105 George E Phelps .71 438-31 114 Robert H Bullen .79 438-421 115 George W Cushman .68 438-419 26 Residence WESTWOOD ST Off Wilmington Road TO Dead End	02176 1 199 TZ3363
NORTH GATE RD 89 Richard Kaustian .81 438-131 92 C S Cleveland .81 438-231 94 William J Leonard .83 438-233 95 John J Santosuosso .63 438-235 105 George E Phelps .71 438-31 114 Robert H Bullen .79 438-421 115 George W Cushman .68 438-419 26 Residence WESTWOOD ST Off Wilmington Road TO Dead End	02176 3 1 199 TZ3363
NORTH GATE RD 89 Richard Kaustian .81 438-131 92 C S Cleveland .81 438-231 94 William J Leonard .83 438-233 95 John J Santosuosso .63 438-235 105 George E Phelps .71 438-31 114 Robert H Bullen .79 438-421 115 George W Cushman .68 438-419 26 Residence WESTWOOD ST Off Wilmington Road TO Dead End	02176 1 199 TZ3363
NORTH GATE RD 89 Richard Kaustian .81 438-131 92 C S Cleveland .81 438-231 94 William J Leonard .83 438-233 95 John J Santosuosso .63 438-235 105 George E Phelps .71 438-31 114 Robert H Bullen .79 438-421 115 George W Cushman .68 438-419 26 Residence WESTWOOD ST Off Wilmington Road TO Dead End	02176 1 199 TZ3363
NORTH GATE RD 89 Richard Kaustian .81 438-131 92 C S Cleveland .81 438-231 94 William J Leonard .83 438-233 95 John J Santosuosso .63 438-235 105 George E Phelps .71 438-31 114 Robert H Bullen .79 438-421 115 George W Cushman .68 438-419 26 Residence WESTWOOD ST Off Wilmington Road TO Dead End	02176 1 199 TZ3363
NORTH GATE RD 89 Richard Kaustian .81 438-131 92 C S Cleveland .81 438-231 94 William J Leonard .83 438-233 95 John J Santosuosso .63 438-235 105 George E Phelps .71 438-31 114 Robert H Bullen .79 438-421 115 George W Cushman .68 438-419 26 Residence WESTWOOD ST Off Wilmington Road TO Dead End	02176 1 199 TZ3363
NORTH GATE RD 89 Richard Kaustian .81 438-131 92 C S Cleveland .81 438-231 94 William J Leonard .83 438-233 95 John J Santosuosso .63 438-235 105 George E Phelps .71 438-31 114 Robert H Bullen .79 438-421 115 George W Cushman .68 438-419 26 Residence WESTWOOD ST Off Wilmington Road TO Dead End	02176 1 199 TZ3363
NORTH GATE RD 89 Richard Kaustian .81 438-131 92 C S Cleveland .81 438-231 94 William J Leonard .83 438-233 95 John J Santosuosso .63 438-235 105 George E Phelps .71 438-31 114 Robert H Bullen .79 438-421 115 George W Cushman .68 438-419 26 Residence WESTWOOD ST Off Wilmington Road TO Dead End	02176 1 199 TZ3363
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NORTH GATE RD 89 Richard Kaustian .81 438-131 92 C S Cleveland .81 438-231 94 William J Leonard .83 438-233 95 John J Santosuosso .63 438-235 105 George E Phelps .71 438-31 114 Robert H Bullen .79 438-421 115 George W Cushman .68 438-419 26 Residence WESTWOOD ST Off Wilmington Road TO Dead End	02176 1 199 TZ3363
NORTH GATE RD 89 Richard Kaustian .81 438-131 92 C S Cleveland .81 438-231 94 William J Leonard .83 438-233 95 John J Santosuosso .63 438-235 105 George E Phelps .71 438-31 114 Robert H Bullen .79 438-421 115 George W Cushman .68 438-419 26 Residence WESTWOOD ST Off Wilmington Road TO Dead End	02176 1 199 TZ3363
NORTH CATE RD NORTH CATE RD	02176 3 1- 199 TZ3363 SB. 054800 1 Keneth W Ross Jr. 78 655-9428 7 Carl I Asplind . 63 655-9428 9 John R Sousa . 72 652-923 9 John R Sousa . 72 652-923 10 W William Unger . 63 655-6428 10 Nicholas Hamhorms . 77 658-9336 20 Anthony Dambrosio . 63 665-6497 21 NP 25 Roy H Davis . 63 665-6497 22 Anthony Dambrosio . 662-8336 24 Anthony Dambrosio . 63 662-897 27 George Tura . 63 665-6419 67 Ted Distaso . 63 662-9078 27 George Tura . 63 665-6419 87 Feter C Tura . 78 665-9378 10 NP 18 W M Puddister . 79 662-9078 18 W M Puddister . 79 665-9078 19 Edward Priestley . 79 665-9078 19 Edward Priestley . 79 665-9078 10 Stephen G Leone . 78 665-591 10 Stephen G Leone . 78 665-591 11 Shoter E Snow . 63 665-425 11 Donato Ventresca . 68 656-423 11 Donato Ventresca . 68 665-425 11 Donato Ventresca . 68 665-425 11 Business WHEELER RD From Blanchard Road Stops Lexington Line . 272-2055 1 Karal Deviner . 79 722-457 1 Brant E Smith . 272-2055 1 Karal Deviner . 79 722-457 1 Refair E Smith . 272-2055 1 Karal Deviner . 79 722-457 1 Refair E Smith . 8 272-2055 1 Karal Deviner . 79 723-754 1 Refair E Smith . 8 272-2055 1 Karal Deviner . 79 73-73-754 1 Karal Monday . 81 1273-754
NORTH CATE RD NORTH CATE RD	Common

FOY I	HILL RD	BURLGIN
• • • • •	*************	DOREGIN
STARTS	BEAVER BRK	
	1- END T 3321	01803
158	PAULINE ARTHUR 9	2721365
1000 1000 1000		2724470
		2720143
		2731908
1000 TO 000 DAYS	GEORGE W RYAN 8 ROGER J LAVOIE	2724333 2723389
170	NP NP	2123304
	MICHAEL H BERLOW	2722625
	MICHAEL H BERLOW	2731192
172	BERNARD B HUR WITCH	0700740
174	8 NP	2722748
		-2726590
	CARLOS R DOWNER 5	2725138
	NEVILLE J BAIA	2725292
1.000 1.0000000000000000000000000000000		272 0822
	DR MUKTI DAS EMANUEL J TUCKER 2	2731808
204		2720986
206	NP	
207	NP	
209	NP DUTIN DE	070/110
210	LILLIAN B PHILLIPS	2724148
212	STANLEY L SPANGLER	
		2725367
Transfer of the street of the	JOHN MORRIS 8	
214	PAUL M COCHRAN RICHARD BUTLER 6	2725523
	DONALD J SHANLEY	2723651 2722095
	ROBERT E SWAIN	2725374
222	HANS P IKLER 2	2727274
224	HANS P IKIER	2731909
	PAUL G TRABUCCO ROBERT A CARROLL 6	2721830 2724246
228	NP	2724240
9776	JOHN R SOLOSKI 9	
0.50	RICHARD E SOLOSKI	
230 231	ALBERT J SCHMIDERS REV WARREN W WEST3	
232	ANDREW JOHNSON 2	4 (1)
	E ANDREW JOHNSON 1	
	THOMAS F SHERIDAN	2725099
234	- 19-20-1 (2002-2016) (2003-2016) - 19-20-2016 - 19-20-2016 (2003-2016) (2003-	
236	EDWIN J OLEY 5 MICHAEL TENORE 5	2721536 2725466
	MILMARI PRIDE	///NANN

FOX HILL RD

1975

FOX HILL RD	1	97	5	ВС	S	T
	•		0	18	0	3
238 ROBERT J MACDONAL	11177	2	72	0.2	1	2
239 R F PERDICHIZZI		12	72	59	14	2
241 ROBERT L SULLIVAN 245 NP		2	72	59	7	9
246 BERJ ZAMANIAN		2	72	81	5	9
247 MARTIN G STAUSS	1970	2				2000
248 GEORGE W SNELL 249 THOMAS E MEA		12		54		
250 EDWARD D CROSBY		2	72	88	12	7
NO # VITO ASARO NO # JOHN E BURGOMASTE	3	1997		53		100
NO # * FOX HILL SCHOOL	r			61		733357
NO # AGOSTIN R GULLA				48		5500
NO # JOSEPH F HAYES NO # B J MCGAFFIGAN JR				50		10000
NO # WILLIAM F MCGARRY		2	72	52	4	1
NO # RICHARD J PHELAN NO # HENRY A SUBRIZIO				16		I
DEAD END		_	• •	J (,	٦
60 RESIDENCE 2	1	BU:	SI	NE	S	s

WESTWOOD ST	BURLGIN
• • • • • • • • • • • • • • • • • • • •	
STARTS OFF WILMINGTON RD	
	01803
1- END T 3321	
1 AL N SHIELDS 5	
2 RICHARD MCLAUGHLIN	
3 IRENE ULTSCH 3	2727104
9 WILLIAM A KINSLEY3	2731845
11 NP	
12 DOUGLAS C CHAPMAN	2729033
13 ALBERT T KEAVY	1987 (P. L. 1987) FREEHOLD & BURNEY L. 1982 B.
19 STANLEY GAILIUS 1	2725847
22 NP	
23 B BALCHUNAS 2	2727778
24 RICHARD T HOLMES 3	2728451
25 CHARLES D NEVILLE2	
28 O J DEROSA	272054B
29 NP	
32 NP	
33 BARBARA A MCCLEERY-	-2730154
37 RICHD D NICHOLS JR-	
40 CHARLES A ROSSIER2	
41 JOHN J CHAMBERLAIN	
43 EDWARD B MULLEN	12728780
44 HILBERT E FITCH	2720699
46 JAMES MASCETTA	2723023
	2725792
	2725792
NO # JOHN F GORMAN	2723359
NO # MAYNARD M LIND	2720454
NO # ARTHUR G MCINTOSH	2722038
DEAD END	• •
29 RESIDENCE	300
L J RESIDENCE	

FOX HILL	Kυ	1970
83 . N.T.I.A.	238	ROBERT J MACDONALD
No. I. I. A.		5 2720212
ENDS 237 RICE AV 25 RESIDENCE		ANTHONY R PATTI 5 2725896
	246	N.T.I.A.
FOWLER RD BURLGTN	247	MARTIN G STAUSS 8 2720068 JOSEPH D MCGONAGLE 2725140
STARTS 58		
TERRCE HL AV	250	THOMAS E MEA 2725494 DAVID W BOHY 6 2725354
01803 1- END T 3323 \$8G 2	NO #	JOHN E BURGOMASTER 2725123
4 A B FOWLER 2720442	NO #	*FOX HILL SCHOOL 2726156
DEAD END	NO #	
	NO #	B J MCGAFFIGAN JR 2721717
FOWLER TERR BURLGTN	NO #	
STARTS	NO #	RICHARD E SOLOSKI 2724971
TERRACE HILL AVE	NO #	HENRY A SUBRIZIO 2725036 ROBERT L SULLIVAN 2725979
1- END T 3324 \$BH 2	110 #	DEAD END
1 N A CIRILLO JR 8 2723380 3 WILLIAM H EDGAR 8 2721086		55 RESIDENCE 1 BUSINESS
4 N.T.I.A.	FOX	HUNT LN WNCHSTR
5 DON HUMPHREY 2726844	1	
6 MRS L E DONOVAN 8 2720039 7 RONALD W DOIG 02725188	1	DAVID EWART =7298124
7 RONALD W DDIG	-01	20
9 DANIEL A ALPERIN 8 2724689 10 DAVID L SMITH 8 2726267	FUX	RD WAKEFLD
10 DAVID L SMITH 8 2726267 13 ROY H RENN =2722297		STARTS 14
DEAD END 10 RESIDENCE		NEWELL RD 01880
1100.0		1- END T 3352 \$AG 8
FOXCROFT RD WNCHSTR	1 7	MRS AGNES C CRONIN 2451756 FREDK J MERCURIO -2458137
STARTS 41	8	REDK J MERCURID -2458137 RRS P LARICCIA 2453328 PAUL CAVALIERE 2451808 JOHN F LEDDUX 2451254 PAUL A RICHARD 2453714 MARION E WALKER 4 2453706 JAMES A FOX 2455205
0XFORD ST 01890	10	PAUL CAVALIERE 2451808
1- END T 3383 \$4 5	11	SIDNEY S THOMPSON 2451254
3 JACK SCHNEPS =7294559 4 GEORGE A DEMARS 7293931	13	PAUL A RICHARD 2453714
9 WILLIAM H FINCKE 8 7298947	19	JAMES A FOX 2455205
15 ARTHUR T ROGDE 7292671	23	W H FAYLE 6 2453716
20 ANDRE W TERMEULEN7 7297078 21 CHARLES G GILL 7292407	27	GEORGE V ZAHAREAS7 2456524 DOMENICO A DEVITA 2454653
YALE ST	29	JOSEPH BOWEN 2451888 JOHN S ADAMS 2452220
25 CHAS F BUCKINGHAM 7293508 G S PACETTI 7293508	30	JOHN S ADAMS 2452220
WEDGEMERE AV	38	JOSEPH BASILESCO 2453449 A J CICCARELLI 2454696 HENRY F DUNN 2450617
32 DR GEORGE A MARKS4 7292249 SALISBURY ST	40	HENRY F DUNN 2450617
35 P I BLUMBERG 8 7294075	41	VINCENT COLLINS 5 2455332 DENNIS HOGAN 5 2455332
36 JOHN J SHANAHAN 7293944		ENDS 45 JORDAN AV
36 JOHN J SHANAHAN 7293944 37 E OBER PRIDE 7291007 40 DR M J BUCKLEY 7297895		19 RESIDENCE
41 BERRY L REECE JR 07298473	FRA	NCES RD WOBURN
43 HM 8 WOODBRIDGE 7295526	-	STARTS SENDRICK RD
ENDS 141		01801
CAMBRIDGE ST 15 RESIDENCE	2	1- END T 3335 \$CH 5 LEONARD J PEARLESS 9352896
	4	EDW W RICHARDSON 9332518
FOX HILL RD BURLGTN	6	N.T.I.A. JOHN R MCLAUGHLIN 9351897
STARTS BEAVER BRK	9	WM G MCCLOSKEY 9334618
1- END T 3321 \$8E 3		LOUIS C BUTLER JR8 9353676 FRANCIS T CAHALAN 9350233
158 DEDLEY ADTHUD -2724470	12	WALTER G JOHNSON 9351457
160 BRUCE K BARNARD 8 2720143 163 ROBERT R SNOOK 2723227	13	DANIEL P PETINGE 9336680 CONRAD J GIROUARD 9332704
164 GEORGE W RYAN 8 2724333	15	MRS RUTH SPINNEY 9334993
165 ROGER J LAVOIE 2723389	16	FRANCIS S NOLAN 9332269
170 N.T.I.A. 172 BERNARD B HURWITCH	18	MERLE D COLLIER 9352679 JOHN P BYKENS ¤9331153
8 2722748	19	THOMAS E ONEILL 9352037
174 N.T.I.A. 175 JOHN K FLAHERTY 8 2726824		RAYMOND P BELANGER 9337587 E W RICHARDSON JR4 9335605
176 CARLOS R DOWNER 5 2725138	22	N.T.I.A.
178 NEVILLE J BAIA 2725292 180 MARILYN COUGHLIN 8 2720822	24	FRANK P CAMPBELL 8 9332979 FRANK P CAPPELLO 8 9332979
202 FREDRICK A MOSELEY 2724841		M S CAPPELLO 8 9336885
204 JOHN P COLLINS 2720986 206 N.T.I.A.	••	ENDS ELLEN RD 21 RESIDENCE
207 N.T.I.A.		
209 N.T.I.A. 210 LILLIAN B PHILLIPS 2724148	FRA	NCES ST MELROSE
211 N.T.I.A.		STARTS 366
212 N.T.I.A. 213 JOHN MORRIS 8 2720098		PLEASANT ST
213 JOHN MORRIS 8 2720098- 214 PAUL M COCHRAN 2722080		1- END T 3364 \$8J 9
216 RICHARD BUTLER 6 2723651		ANTONIO ANTONUCCI 6651838
218 OONALD J SHANLEY 2722095 220 ROBERT E SWAIN 2725374		DOMENIC DEANGELIS 6629516 EARL R WELDON JR 6 6651304
222 JOHN P KEEFE JR 8 2729192	21	IRENE LEARY 6656628
224 PAUL G TRABUCCO 2721830 226 ROBERT A CARROLL 6 2724246	30	N.T.I.A. MRS ELEANOR CLUKEY 6657754
228 ALEXANDER J GICHUN	34	N.T.I.A.
8 2725725 229 JOHN R SOLOSKI	35	LAWRENCE L SHEA 6659301 LOUISE E SHEA 6629021
230 ALBERT J SCHMIDER 5 2729582		BARTLETT ST
231 N.T.I.A. 232 ALLEN K STARK 5 2721807		JOSEPH A AMICONE 6629643
233 THOMAS F SHERIDAN 2725099	45	ANDREW G SIMPSON 6656056 GLADYS E DODGE 7 6653849
234 RONALD LAMB 5 2725591 236 EDWIN J OLEY 5 2721536		WILLARD C DECKER 6651911
237 MICHAEL TENORE 5 2725466		
	1	

WEST	TWOOD ST	BURLGIN
	STARTS OFF	
	WILMINGTON RD	
		01803
	1- END T 3321	\$8E 3
1	AL N SHIELDS 5	2725512
2	RICHARD MCLAUGHLIN	2724991
3	FRANK J NEWARK 5	2725685
9	RUSSELL H CARLSON	2722044
11	GEORGE M RUZZO	2729316
12	DOUGLAS C CHAPMAN	2729033
		2722031
-	MRS LOUISA BALDI	2720189

WESTWOOD ST 1970

24	LAWRENCE DRISCOLL #2726485
27	WILLIAM L GEAR 2726639
28	O J DEROSA 2720548
29	WALTER J PINGREE 7 2720505
32	KIN YU = 2724369
37	MERRILL CRAMER #2724626
44	HILBERT E FITCH 2720699
46	JAMES MASCETTA 2723023
48	CAPT B E JORDAN 5 2725792
	M GUNNING 02725792
115	STANLEY GAILIUS 5 2725847
NO #	JOHN F GORMAN 2723359
NO #	MAYNARO M LIND 2720454
NO #	ARTHUR G MCINTOSH 2722038
	DEAD END
	22 RESIDENCE

FUX HILL K	1900
77 500 7 7770 60 446	170 PATRICK A MORENO 2725375
77- END T 3334 \$CH 6	172 B B HURWITCH #2722748
86 CHARLES L WHITE JR 9336461	174 N.T.I.A.
MT PLEASANT ST	175 JOHN K FLAHERTY #2726824
88 JAMES H DONOVAN 9335679	176 CARLOS R DOWNER 5 2725138
92 WARREN GRAHAM 9336325	178 NEVILLE J BAIA 2725292
WARREN GRAHAM 9334648	180 MARILYN COUGHLIN #2720822
94 WILLIAM W FARRAR 9352633	202 FREDRICK A MOSELEY 2724841 204 JOHN P COLLINS 2720986
96 N.T.I.A.	204 JOHN P COLLINS 2720986 206 N.T.I.A.
98 CHARLES J SMITH 9333531	207 ARTHUR R MOORE 6 2720035
100 N.T.I.A. 102 STEPHEN PATTALENA 9333657	209 N.T.I.A.
102 STEPHEN PATTALENA 9333657 NO #*MCGARR SCHOOL 9333810	210 LILLIAN B PHILLIPS 2724148
ENDS FULTON ST	211 N.T.I.A.
40 RESIDENCE 11 BUSINESS	212 N.T.I.A.
	213 JOSEPH J FARINELLO
FOWLER AVE REVERE	7 2722555
STARTS 28 RICE AV	JOHN MORRIS #2722444
02151	214 PAUL M COCHRAN 2722080 216 RICHARD BUTLER 6 2723651
1- END_T 1705 \$DL13	218 DONALD J SHANLEY 2722095
5 N.T.I.A.	220 ROBERT E SWAIN 2725374
9 SEYMOUR GOLDFARB 5 2841490	222 JOHN P KEEFE JR #2729192
22 N.T.I.A. 28 JOHN J SHIVICK 7 2846136	224 PAUL G TRABUCCO 2721830
35 LEONARD S BODNER 3 2849156	226 ROBERT A CARROLL 6 2724246
36 WILLIAM P DICARLO7 2845234	228 ALEXANDER J GICHUN-2725725
SAUL WEINTHROB 2891158	230 ALBERT J SCHMIDER5 2729582
43 ROSALIE J ALPERT 2893809	231 N.T.I.A.
BETTE D ALDEDT HORLESTS	232 ALLEN K STARK 5 2721807
44 JACK P HIGGINS #2895275	234 RONALD LAMB 5 2725591
4 / FRANK H MCCUT 2891827	236 EDWIN J OLEY 5 2721536 237 MICHAEL TENORE 5 2725466
48 JOSEPH E MULLEN 4 2840010	238 ROBERT J MACDONALD
55 N.T.I.A. 56 CHARLES J EPSIMOS 2893225	5 2720212
56 CHARLES J EPSIMOS 2893225 60 N.T.I.A.	239 LT CHAS N CALVANO7 2724522
65 GEORGE A MOSHER 2845492	245 ANTHONY R PATTI 5 2725896
70 PHILIP MARCUS 6 2891209	246 N.T.I.A.
72 FRANCIS E HANEY 2845117	247 MARTIN G STAUSS -2720068
73 WM H MCLAUGHLIN 2841492	248 JOSEPH D MCGONAGLE 2725140
76 CARL ASTRACHAN 2844122	249 THOMAS E MEA 2725494
80 SAUL J DORFMAN 7 2895072	250 DAVID W BOHY 6 2725354 NO # MICHAEL H BERLOW 2722625
81 N.T.I.A.	NO # J E BURGOMASTER 2725123
83 N.T.I.A.	NO #*FOX HILL SCHOOL 2726156
86 ANNIBLE POLCARI 2890613	NO # AGOSTIN R GULLA 2724896
ENDS 237 RICE AV 24 RESIDENCE	NO # JOSEPH F HAYES 2725061
	NO # B J MCGAFFIGAN JR 2721717
FOWLER RD BURLGTN	NO # WILLIAM F MCGARRY 2725241
STARTS 58	NO # RICHARD J PHELAN 2721627
TERRCE HL AV	NO # RICHARD E SOLOSKI 2724971
	NO # THOMAS F SHERIDAN 2725099
01803 1- END T 3323 \$BG 2	NO # HENRY A SUBRIZIO 2725036
4 A B FOWLER 2720442	NO # ROBERT L SULLIVAN 2725979
DEAD END	DEAD END 54 RESIDENCE 1 BUSINESS
1 RESIDENCE	
FOWLER TERR BURLGTN	FOX RD WAKEFLD
STARTS	STARTS 14
TERRACE HILL AVE	NEWELL RD
01803	
1- END T 3324 \$8H 2	1- END T 3352 \$AG 8
1 N A CIRILLO JR #2723380	1 MRS AGNES C CRONIN 2451756
3 WILLIAM H EDGAR #2721086	8 MRS P LARICCIA 2453328
4 MRS L E DONOVAN #2720039	10 PAUL CAVALIERE 2451808 11 JOHN F LEDOUX 2451254
5 DON HUMPHREY 2726844	SIDNEY S THOMPSON 2451254
*BURLNGTN CH CHRIST#2726844	12 DAIH A DICHARD 245371/1
8 JOHN DIFRANZA -2723124 9 DANIEL A ALPERIN #2724689	15 MARION E WALKER 4 2453706
10 DAVID L SMITH #2726267	
13 JAMES D RICHARDSON#2722297	23 W H FAYLE 6 2453716
DEAD END	27 GEORGE ZAHAREAS 7 2456524
8 RESIDENCE 1 BUSINESS	28 DOMENICO DEVITA 2454653
FOYCDOFT DD	29 JOSEPH BOWEN 2451888
FOXCROFT RD WNCHSTR	30 JOHN S ADAMS 2452220
STARTS 41	33 JOSEPH BASILESCO 2453449 38 A J CICCARELLI 2454696
OXFORD ST	40 HENRY F DUNN 2450617
1- END T 3383 \$AJ 5	41 DENNIS HOGAN 5 2455332
4 GEORGE A DEMARS 7293931	VINCENT COLLINS 5 2455332
9 WILLIAM H FINCKE #7298947	ENDS 45 JORDAN AV
15 ARTHUR T ROGDE 7292671	18 RESIDENCE
20 ANDRE W TERMEULEN7 7297078	FRANCES RD WOBURN
J ARCHAMBAUD #7298312	STARTS SENDRICK RD WOBURN
21 CHARLES G GILL 7292407	
YALE ST 25 CHAS F BUCKINGHAM 7293508	01801 1- END T 3335 \$CH 5
G S PACETTI 7293508	2 LEONARD J PEARLESS 9352896
WEDGEMERE AV	4 EDW W RICHARDSON 9332518
32 DR GEORGE A MARKS4 7292249	6 N.T.I.A.
SALISBURY ST	8 JOHN R MCLAUGHLIN 9351897
35 P I BLUMBERG #7294075	9 WM G MCCLOSKEY 9334618
36 JOHN J SHANAHAN 7293944	10 LOUIS C BUTLER JR #9332447
37 E OBER PRIDE 7291007	11 FRANCIS T CAHALAN 9350233 12 WALTER G JOHNSON 9351457
40 DR M J BUCKLEY 7297895 41 BERTON F HILL 7 7292296	13 DANIEL P PETINGE 9336680
41 BERTON F HILL 7 7292296 43 WM B WOODBRIDGE 7295526	14 CONRAD J GIROUARD 9332704
15 40 MOODDUIDGE 1542259	15 MRS RUTH SPINNEY 9334993
ENDS 141	16 FRANCIS S NOLAN 9332269
ENDS 141	
ENDS 141 CAMBRIDGE ST 15 RESIDENCE	17 MERLE D COLLIER 9352679
ENDS 141 CAMBRIDGE ST 15 RESIDENCE	17 MERLE D COLLIER 9352679
ENDS 141 CAMBRIDGE ST	17 MERLE D COLLIER 9352679 18 LAWRENCE J KIRK 5 935019: 19 THOMAS E ONEILL 935203
ENDS 141 CAMBRIDGE ST 15 RESIDENCE FOX HILL RD STARTS BEAVER BRK BURLGTN	17 MERLE D COLLIER 9352679 18 LAWRENCE J KIRK 5 9350199 19 THOMAS E ONEILL 9352037 20 RAYMOND P BELANGER 9337587
FOX HILL RD BURLGTN STARTS BEAVER BRK	17 MERLE D COLLIER 9352679 18 LAWRENCE J KIRK 5 9350199 19 THOMAS E ONEILL 935203 20 RAYMOND P BELANGER 933758 21 E W RICHARDSON JR4 9335609
FOX HILL RD BURLGTN STARTS BEAVER BRK 1- END T 3321 \$8 5	17 MERLE D COLLIER 9352679
ENDS 141 CAMBRIDGE ST	17 MERLE D COLLIER 9352679 18 LAWRENCE J KIRK 5 9350199 19 THOMAS E ONEILL 935203 20 RAYMOND P BELANGER 933758 21 E W RICHARDSON JR4 9335609
FOX HILL RD BURLGTN STARTS BEAVER BRK 1- END T 3321 \$8.6 3 160 BRUCE K BARNARD #2720143 163 ROBERT R SNOOK 2723227	17 MERLE D COLLIER 935267 18 LAWRENCE J KIRK 5 935019 19 THOMAS E ONEILL 935203 20 RAYMOND P BELANGER 933758 21 E W RICHARDSON JR4 9335608
ENDS 141 CAMBRIDGE ST	17 MERLE D COLLIER 935267 18 LAWRENCE J KIRK 5 935019 19 THOMAS E ONEILL 935203 20 RAYMOND P BELANGER 933758 21 E W RICHARDSON JR4 9335608

WES	STARTS OFF	BURLGTN
2	1- END T 3321 AL N SHIELDS 5 RICHARD MCLAUGHLIN FRANK J NEWARK 5	\$BE 3 2725512 2724991 2725685
12 13 22	DOUGLAS C CHAPMAN ALBERT T KEAVY MRS LOUISA BALDI	2729316
24 27 28 29 44		2722653 2720548 2720505 2720699
46 48	JAMES MASCETTA CAPT B E JORDAN 5	2723023 2725792 2725847 2723359
NO # NO #	MAYNARD M LIND L J MCCONNELL ARTHUR G MCINTOSH DEAD END 20 RESIDENCE	2720454 2721089 2722038

Fox Hill Elementary School 252 Fox Hill Road Burlington, MA 01803

Inquiry Number: 7295798.3

March 31, 2023

Certified Sanborn® Map Report



Certified Sanborn® Map Report

03/31/23

Site Name: Client Name:

Fox Hill Elementary School ECMS, Inc.

252 Fox Hill Road 288 Grove Street #391
Burlington, MA 01803 Braintree, MA 02184
EDR Inquiry # 7295798.3 Contact: Cheryl Cambria



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Certified Sanborn Results:

Certification # C85A-495F-B321

PO# NA

Project Fox Hill Elementary School

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: C85A-495F-B321

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✓ Library of Congress

✓ University Publications of America

✓ EDR Private Collection

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page 2

Fox Hill Elementary School 252 Fox Hill Road Burlington, MA 01803

Inquiry Number: 7295798.4

March 31, 2023

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

03/31/23

Site Name: Client Name:

Fox Hill Elementary School

252 Fox Hill Road Burlington, MA 01803 EDR Inquiry # 7295798.4 ECMS, Inc.

288 Grove Street #391 Braintree, MA 02184 Contact: Cheryl Cambria



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by ECMS, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		Coordinates:			
P.O.#	NA	Latitude:	42.529052 42° 31' 45" North		
Project:	Fox Hill Elementary School	Longitude:	-71.188461 -71° 11' 18" West		
•	,	UTM Zone:	Zone 19 North		
		UTM X Meters:	320262.05		
		UTM Y Meters:	4710839.90		
		Elevation:	172.78' above sea level		
Maps Provided:					
2018	1947				
2015	1944				
2012	1943				
1987	1918				
1979	1915				
1977	1893				
1965	1888				
1950					

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This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Wilmington 2018 7.5-minute, 24000

2015 Source Sheets



Wilmington 2015 7.5-minute, 24000

2012 Source Sheets



Wilmington 2012 7.5-minute, 24000



Reading 1987 7.5-minute, 25000 Aerial Photo Revised 1978

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1979 Source Sheets



Wilmington 1979 7.5-minute, 25000 Aerial Photo Revised 1977

1977 Source Sheets



Wilmington 1977 7.5-minute, 25000 Aerial Photo Revised 1977

1965 Source Sheets



Wilmington 1965 7.5-minute, 24000 Aerial Photo Revised 1939



Wilmington 1950 7.5-minute, 24000

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1947 Source Sheets



WILMINGTON 1947 7.5-minute, 25000

1944 Source Sheets



Wilmington 1944 7.5-minute, 31680

1943 Source Sheets



Lowell 1943 30-minute, 125000



Lawrence 1918 15-minute, 62500

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1915 Source Sheets



LAWRENCE 1915 15-minute, 62500

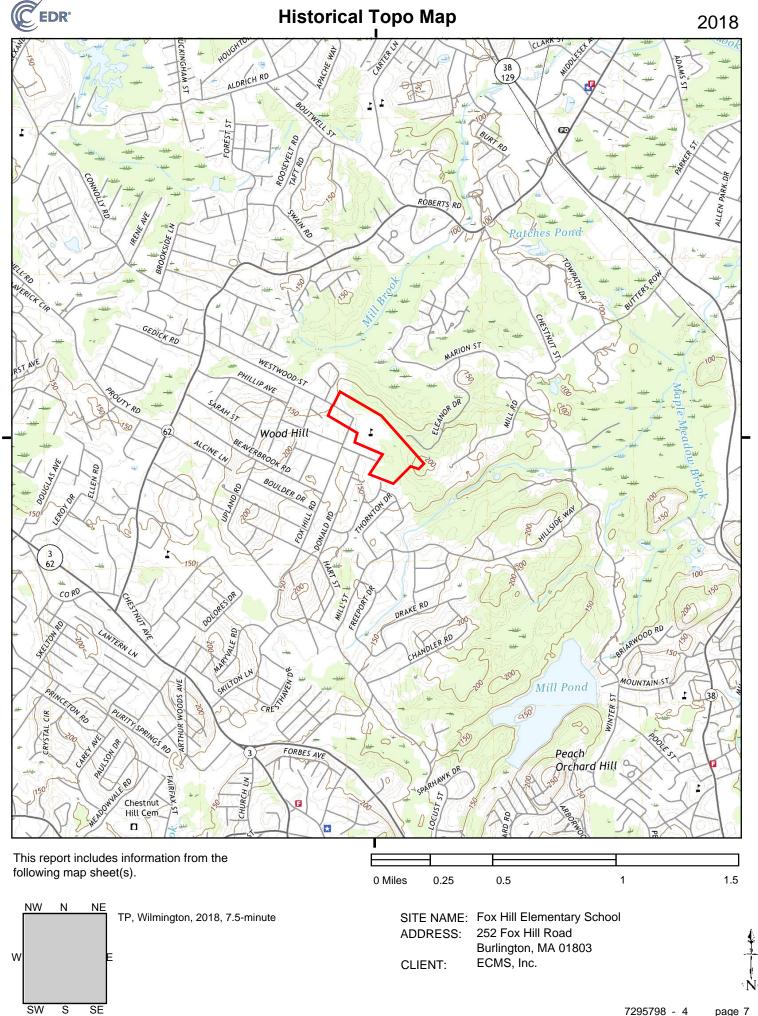
1893 Source Sheets

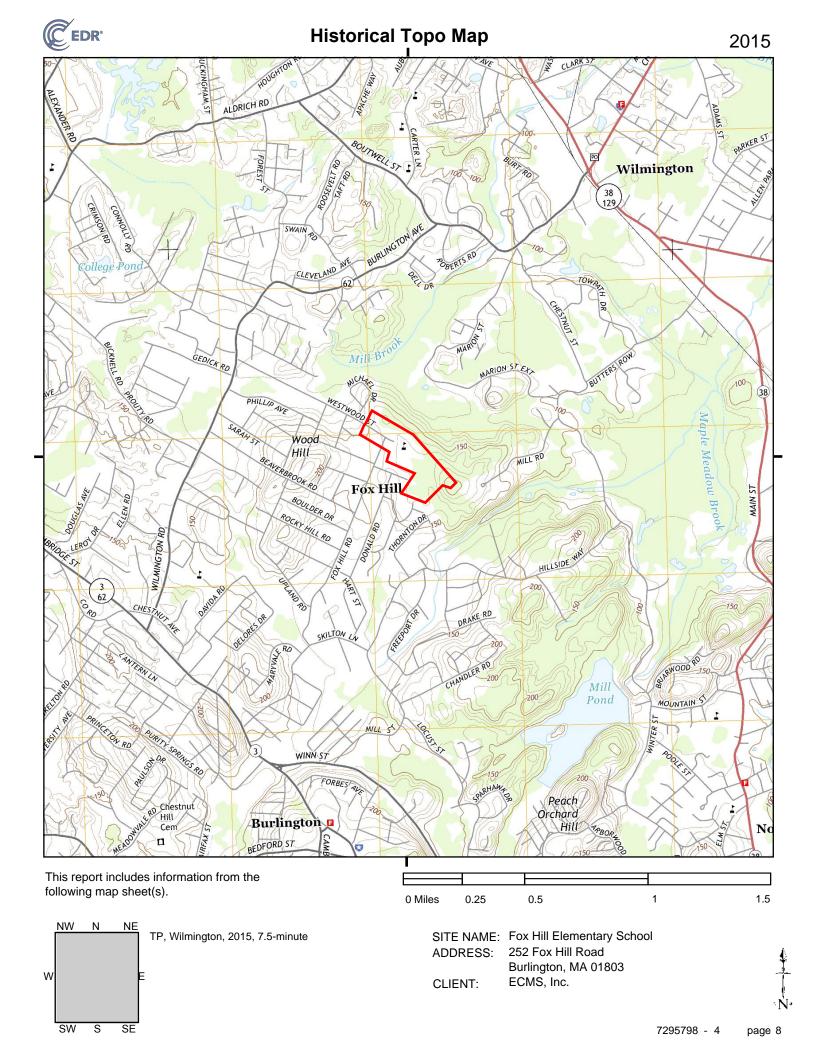


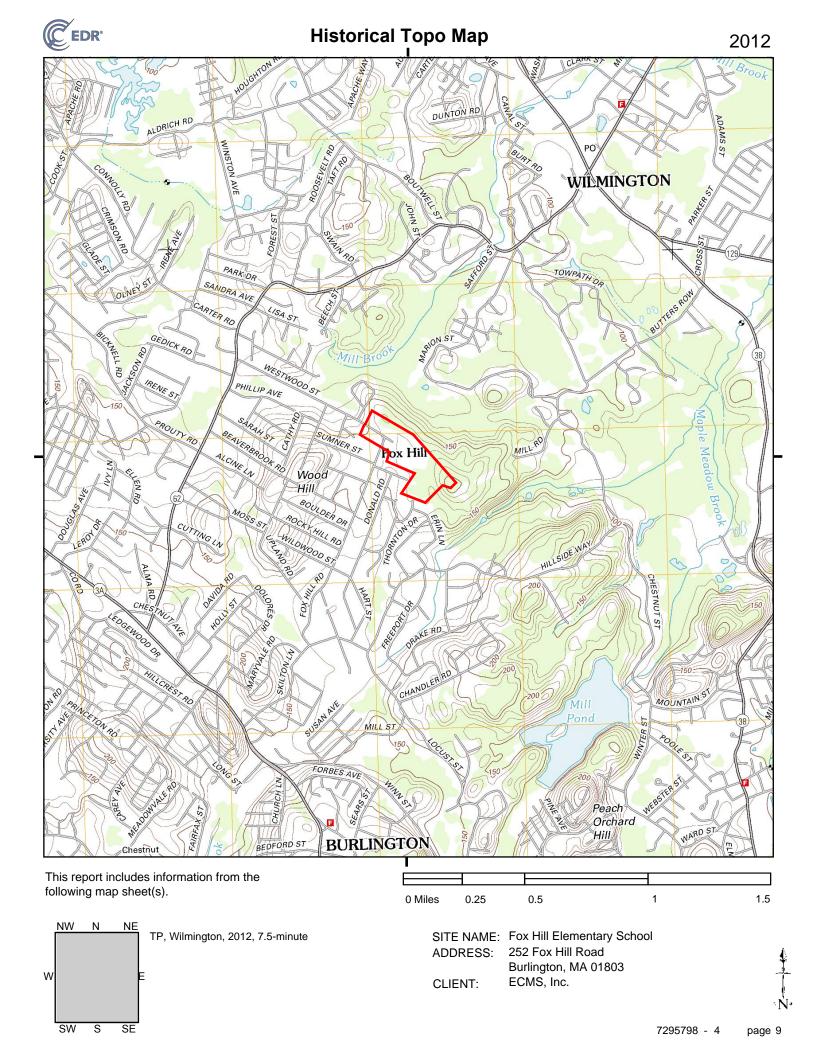
Lawrence 1893 15-minute, 62500

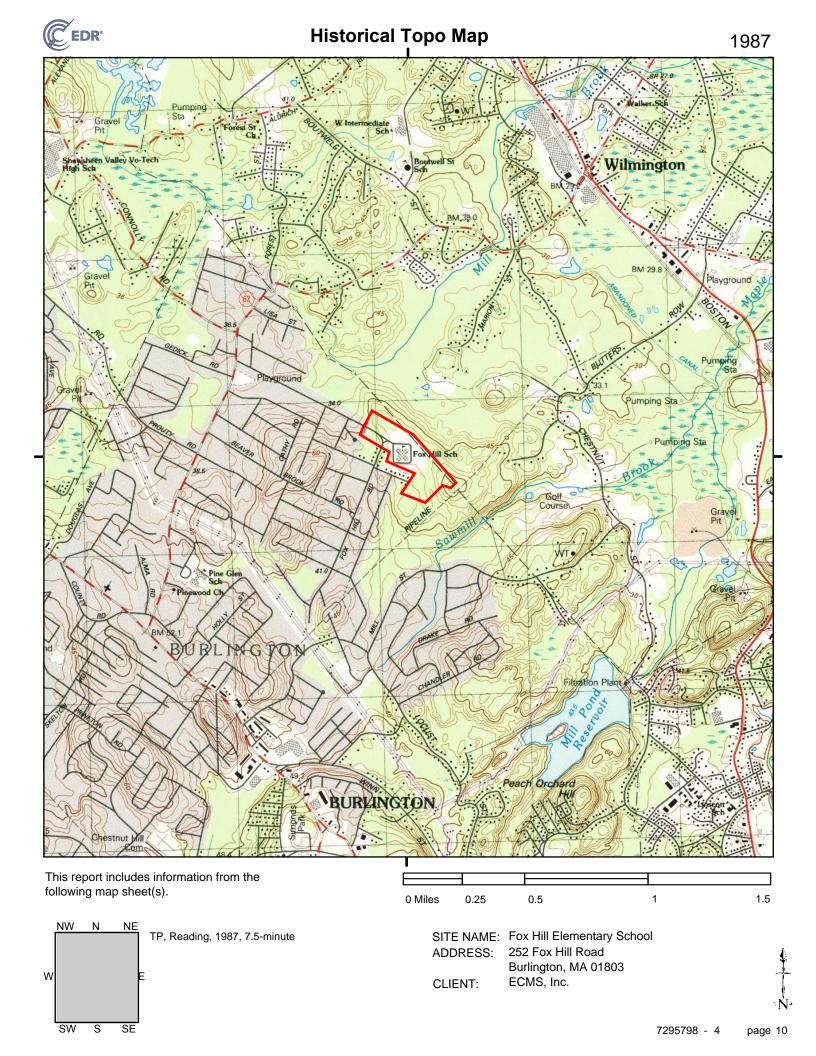


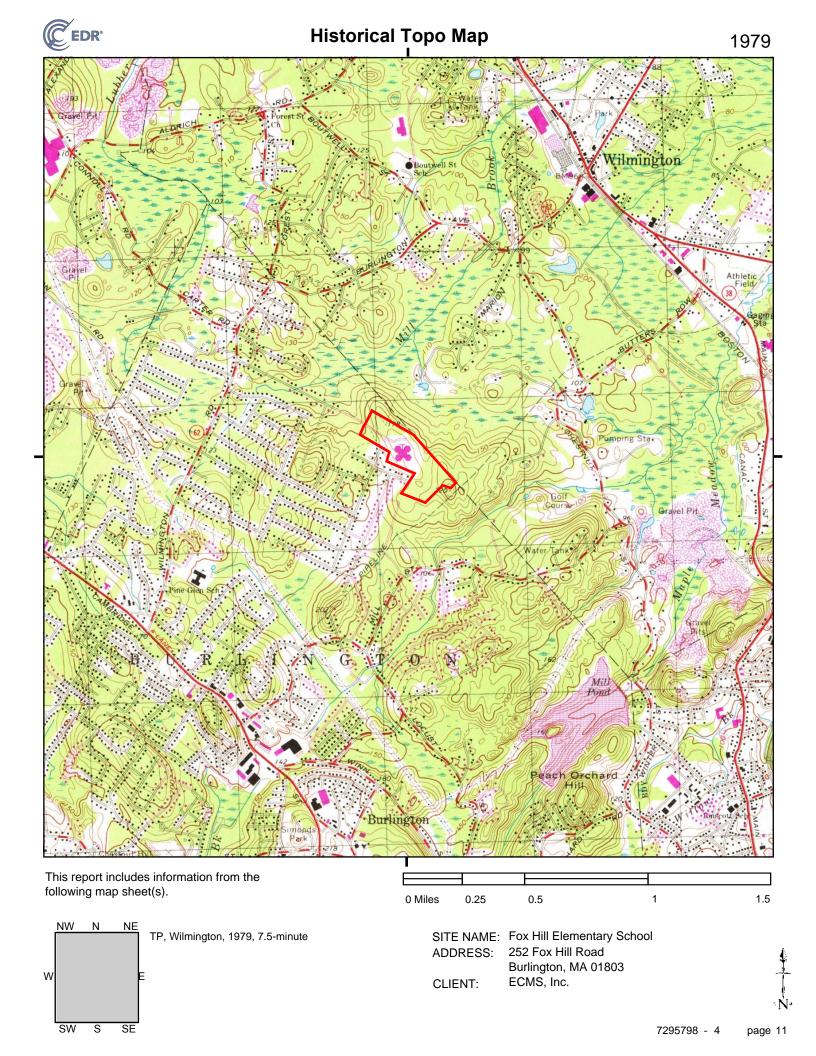
Lawrence 1888 15-minute, 62500



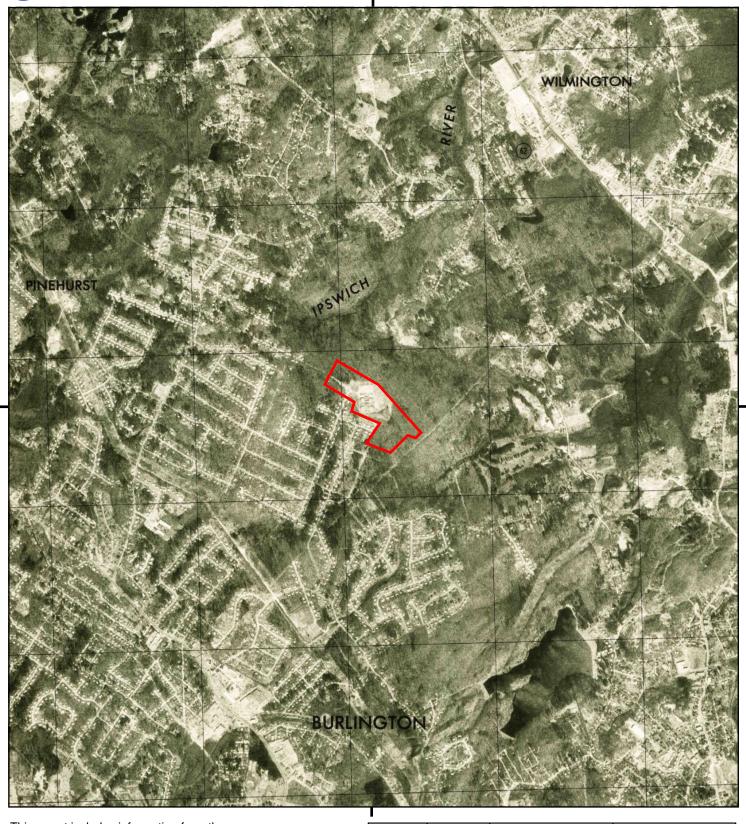




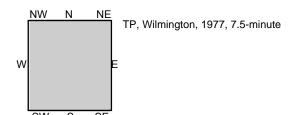








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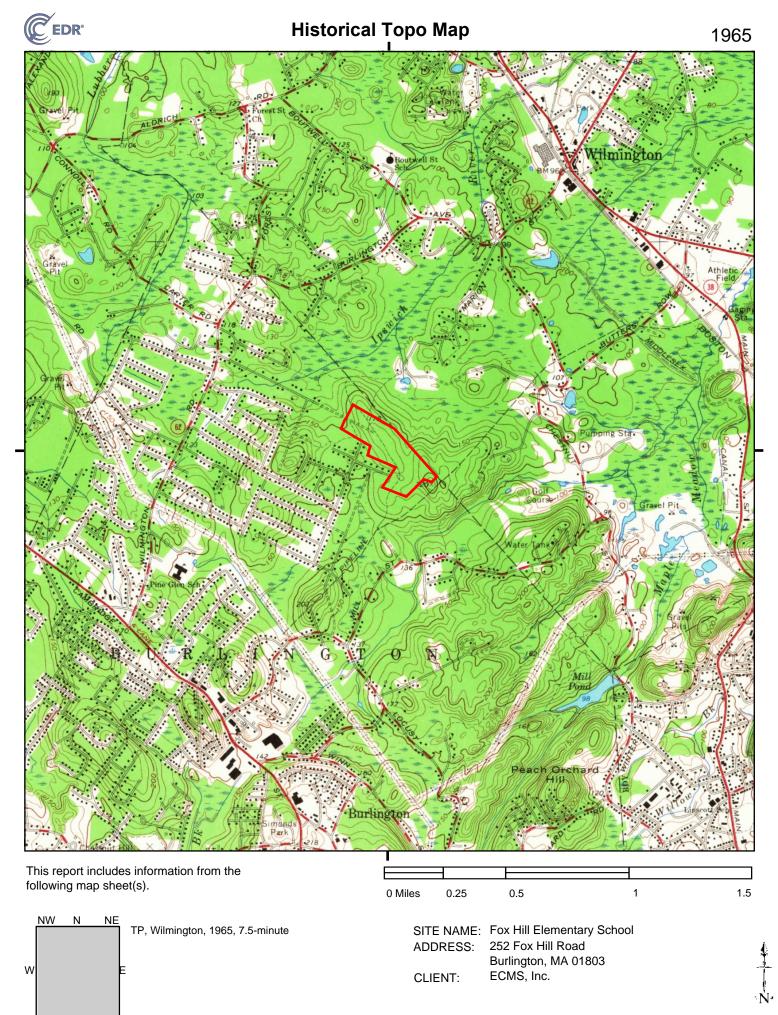
0 Miles 0.25 0.5 1 1.5

SITE NAME: Fox Hill Elementary School

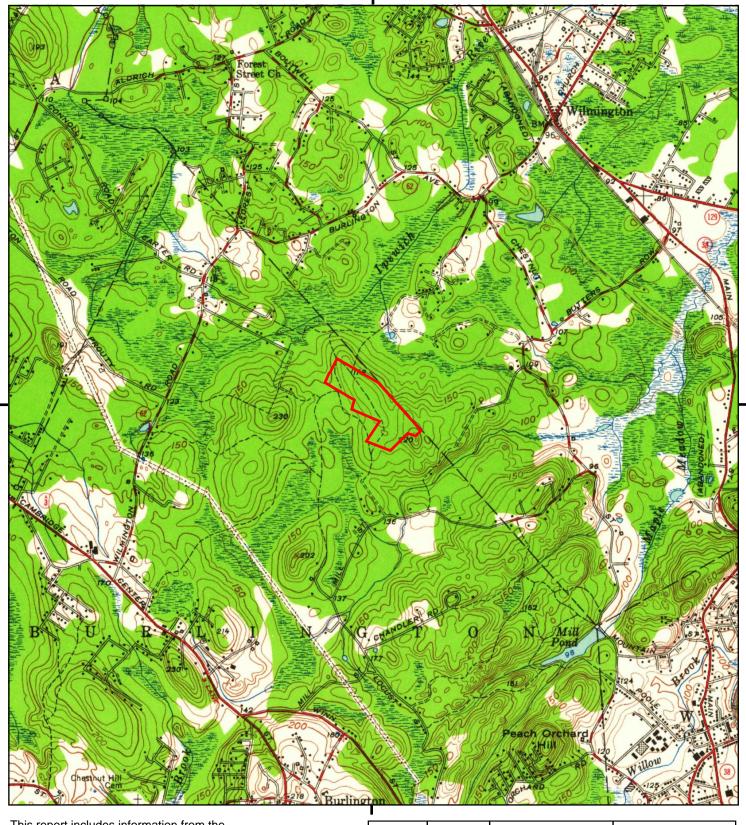
ADDRESS: 252 Fox Hill Road

Burlington, MA 01803

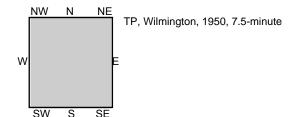








This report includes information from the following map sheet(s).



SITE NAME: Fox Hill Elementary School

0.5

ADDRESS: 252 Fox Hill Road

Burlington, MA 01803

CLIENT: ECMS, Inc.

0.25

0 Miles

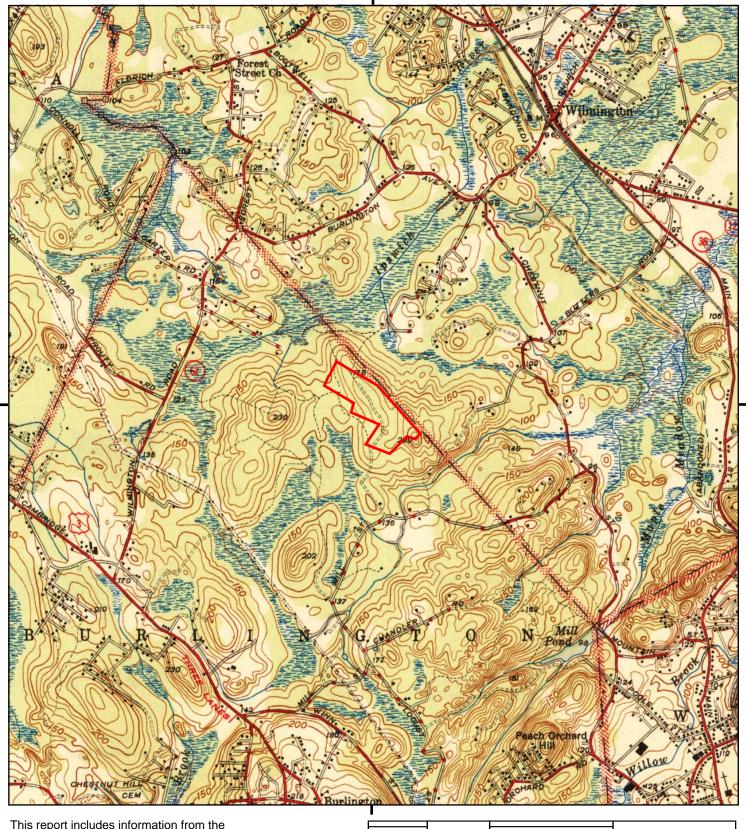


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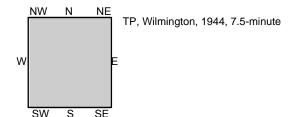
NW N NE
TP, WILMINGTON, 1947, 7.5-minute

SITE NAME: Fox Hill Elementary School ADDRESS: 252 Fox Hill Road Burlington, MA 01803
CLIENT: ECMS, Inc.





This report includes information from the following map sheet(s).



SITE NAME: Fox Hill Elementary School

0.5

ADDRESS: 252 Fox Hill Road

Burlington, MA 01803

CLIENT: ECMS, Inc.

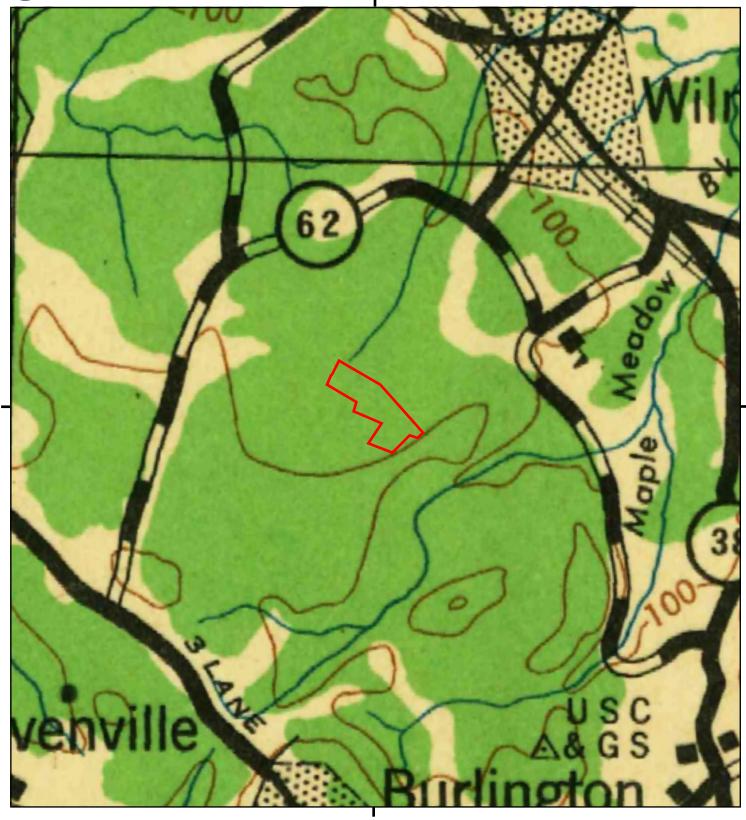
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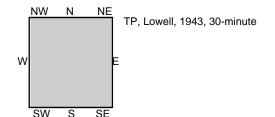


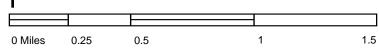
1.5





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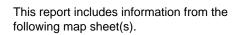


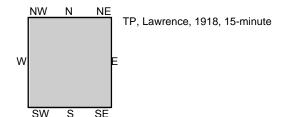
SITE NAME: Fox Hill Elementary School

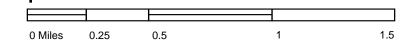
ADDRESS: 252 Fox Hill Road

Burlington, MA 01803





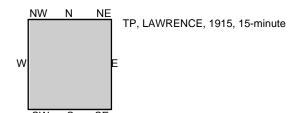




SITE NAME: Fox Hill Elementary School

ADDRESS: 252 Fox Hill Road Burlington, MA 01803

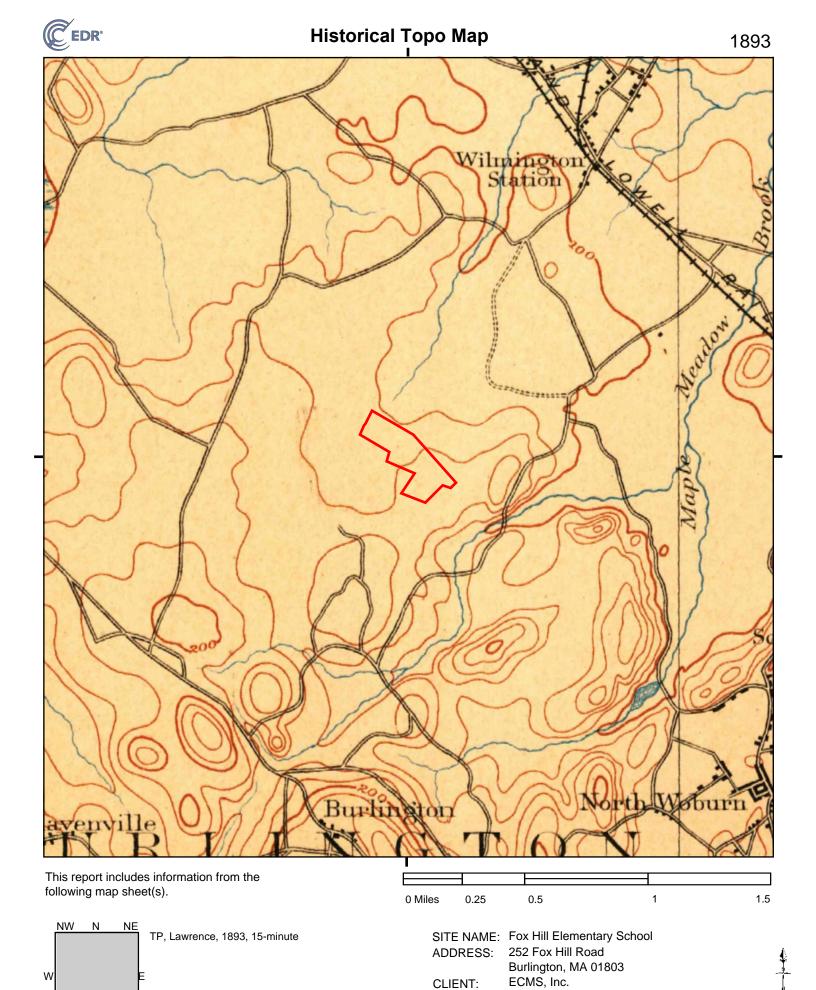
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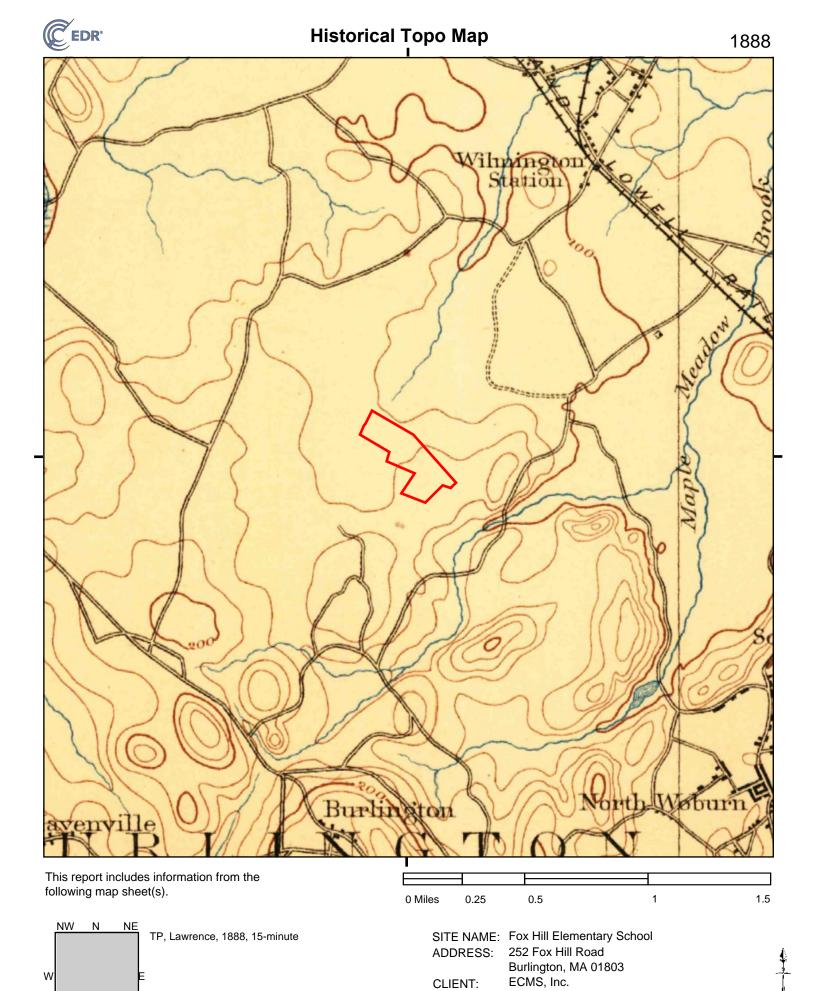


0 Miles 0.25 0.5 1 1.5

SITE NAME: Fox Hill Elementary School

ADDRESS: 252 Fox Hill Road Burlington, MA 01803





Fox Hill Elementary School

252 Fox Hill Road Burlington, MA 01803

Inquiry Number: 7295798.8

March 31, 2023

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

03/31/23

Site Name: Client Name:

Fox Hill Elementary School ECMS, Inc.

252 Fox Hill Road 288 Grove Street #391
Burlington, MA 01803 Braintree, MA 02184
EDR Inquiry # 7295798.8 Contact: Cheryl Cambria



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
			
2018	1"=500'	Flight Year: 2018	USDA/NAIP
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
1995	1"=500'	Acquisition Date: March 29, 1995	USGS/DOQQ
1986	1"=500'	Flight Date: March 30, 1986	USDA
1980	1"=500'	Flight Date: September 19, 1980	USDA
1978	1"=500'	Flight Date: April 23, 1978	USGS
1965	1"=500'	Flight Date: April 06, 1965	USGS
1963	1"=500'	Flight Date: April 27, 1963	USGS
1938	1"=500'	Flight Date: December 21, 1938	USGS

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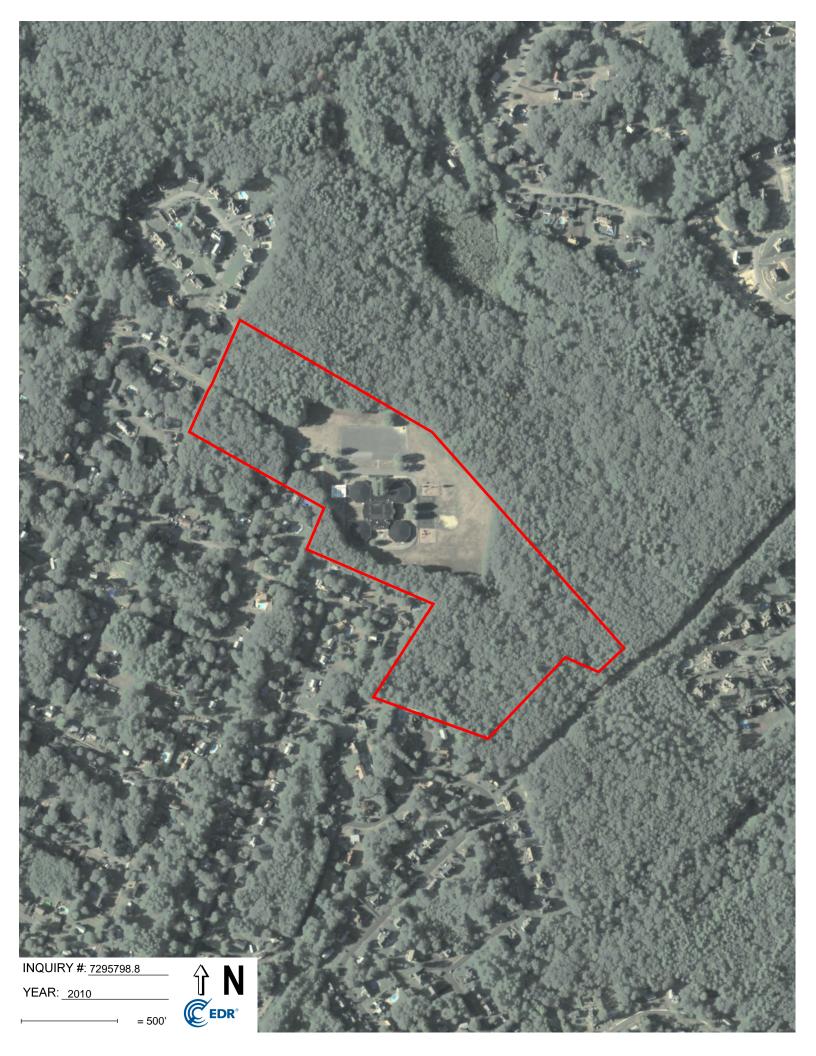
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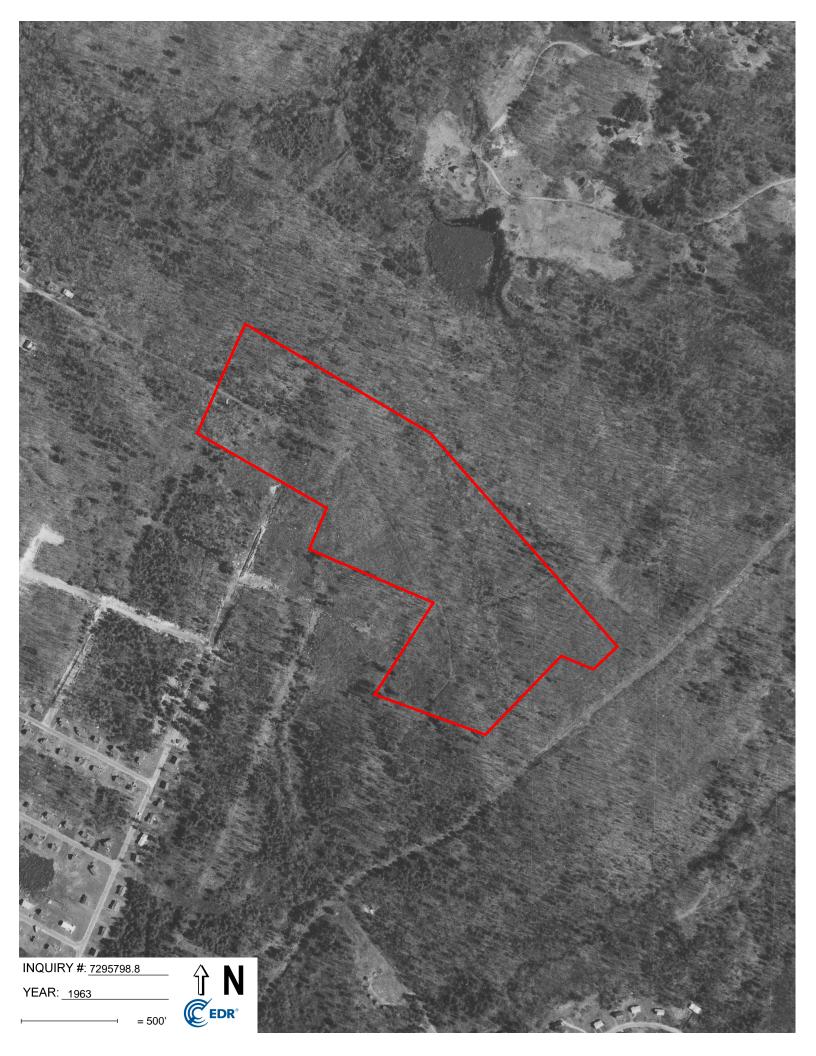
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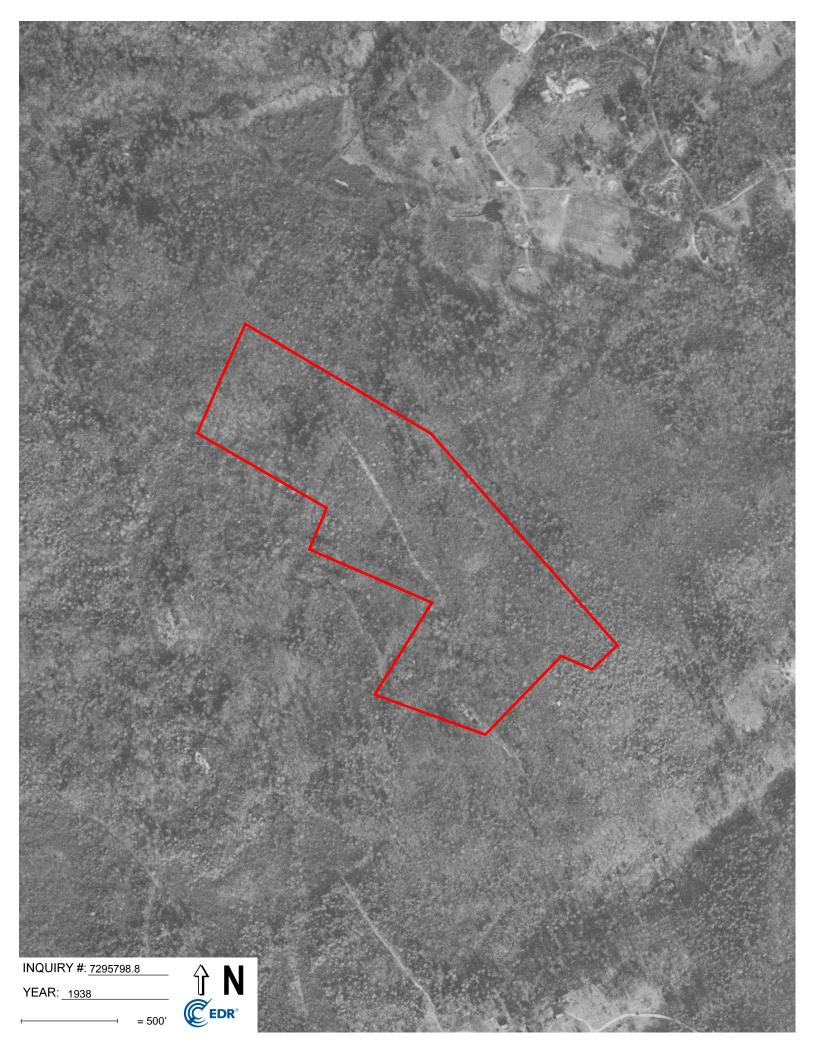
YEAR: 1980

Î N









APPENDIX B

QUALIFICATIONS/LIMITATIONS



ECMS Project No. 1009.077

QUALIFICATIONS/LIMITATIONS

Environmental & Construction Management Services, Inc. (ECMS) professional services have been performed, our findings obtained, and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties either expressed or implied. ECMS is not responsible for the independent conclusions, opinions or recommendations made by others based on the records review, site inspection, field exploration, and laboratory test data presented in this report.

Factual information regarding on-site business operations, conditions, and historical data provided to *ECMS* is assumed to be correct and complete. *ECMS* assumes no responsibility for hidden or latent conditions or misrepresentation by the property owner, its representatives, public information officials or any authority consulted in connection with the compilation of this report.

The findings set forth in the attached Site assessment report are strictly limited in time and scope to the date of the evaluation(s). The conclusions presented in the Report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed upon services or the time and budgeting restraints imposed by the client.

The purpose of this report was to assess the physical characteristics of the subject Site with respect to the presence in the environment of hazardous material or oil. No specific attempt was made to check on the compliance of present or past owners or operators or of the Site with Federal, State or local laws and regulations, environmental, or otherwise.

Partial findings of this investigation are based on data provided by others. No warranty is expressed or implied with the usage of such data. Much of the information provided in this report is based upon personal interviews and research of all available documents, records and maps held by the appropriate government and private agencies. This is subject to the limitations of historical documentation, availability and accuracy of pertinent records, and the personal recollection of those persons contacted by *ECMS* personnel. *ECMS* is not a professional title insurance firm and makes no guarantee, explicit or implied that the listing, which was reviewed, represented a comprehensive delineation of past Site ownership or tenancy for legal purposes.

Observations were made of the Site and of structures on the Site as indicated within the Report. Where access to portions of the Site or to structures on the Site was unavailable or limited, *ECMS* is unable to render an opinion as to the presence of hazardous material or oil, or to the presence if indirect evidence relating to hazardous material or oil, in that portion of the Site or structure. In addition, *ECMS* renders no opinion as to the presence of hazardous material or oil, where direct observation of the interior walls, floor, or ceiling of a structure on a Site was obstructed by objects or coverings on or over these surfaces.

The initial site investigation took into account the natural and man-made features of the Site, including any unusual or suspect phenomenon. These factors combined with the Site's geology, hydrology, topography, and past and present land uses served as a basis for choosing a methodology and location for subsurface exploration as well as ground water and subsurface sampling, if done. The subsurface data, if provided, is meant as a representative overview of the Site.

The conclusions and recommendations contained in this report may be based in part upon various types of chemical data and are contingent upon their validity. As indicated within the Report, some



ECMS Project No. 1009.077

of these data are preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. It should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional data or variations of current data become available in the future, these data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.

Chemical analyses may have been performed for specific parameters during the course of this Site assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study might be present in soil and/or ground water at the Site.



APPENDIX C

QUALIFICATIONS OF THE ENVIRONMENTAL PROFESSIONALS



CHERYL A. CAMBRIA

Senior Environmental Geologist

Cheryl has over 25 years of environmental site assessment experience. Responsibilities have included a wide variety of activities involving proposal generation, historical research, site visits, soil boring and monitoring well installation, soil screening and sampling, groundwater sampling, analysis of laboratory analytical results, and all aspects of report writing.

Cheryl served as staff environmental scientist for several New England environmental consulting firms including Hygienetics Environmental Services and Rizzo Associates, Inc.

Some highlights of Cheryl's experience include:

- Performed numerous environmental site assessments throughout New England, New York, New Jersey, Kentucky, Utah and Indiana. Properties investigated have included residential properties, office buildings, gasoline filling stations, chemical companies, and manufacturing facilities.
- Provided field support for large projects including the Massachusetts Turnpike Authority facilities throughout Massachusetts and the Central Artery Project in Charlestown, Massachusetts. Responsibilities included groundwater sampling and soil screening.
- ➤ Performed project managing of a quarterly sampling event at General Electric Silicone Products Division in Waterford, New York. Duties included project monitoring and organization, depths to groundwater measurements and the generation of groundwater contour maps, groundwater sampling, and analysis of laboratory results.
- ➤ Performed a soil vapor survey in a landfill at General Electric Silicone Products Division in Waterford, New York as part of an effort to determine health and safety measures for personnel conducting sampling activities at this landfill.
- ➤ Provided support for a hazardous materials survey as part of a Material Safety Data Sheet program at United States Postal Service facilities.

Technical Specialties:

Phase I & II Environmental Site Assessments

Detailed Historical Research Investigations

Education:

B.S., Geology and Natural Sciences, Castleton State College, 1988

KEVIN J. KAVANAUGH, L.S.P., CHMM Principal Environmental Engineer

Kevin has 37 years of engineering/hydrogeological consulting, environmental site assessment and site remediation experience. In addition to his fiscal and marketing duties as a Principal Environmental Engineer and Chief Executive Officer (CEO) at Environmental & Construction Management Services. Inc. ECMS) for the last 20 staff. he oversees the environmental coordinates vears. professional development of staff, provides technical business and QA/QC, and offers specialized corporate technical support in accordance with state and federal regulatory agencies.

Prior to co-founding ECMS, Kevin was the National Accounts Director Environmental for Hygienetics Services, (Hygienetics) Inc. in As the National Account Director he Boston, Massachusetts. managed the nationwide environmental diligence and due consulting services for Hygienetics National Accounts including GE Capital Real Estate, Archon Group LP, Finova Realty Capital, American General Realty Advisors, Metropolitan Life Insurance and State Teachers Retirement System of Ohio for all of Hygienetics 14 Offices throughout the Continental United States.

Kevin is a Massachusetts Licensed Site Professional (LSP) since May 1994 and Certified Hazardous Materials Manager (CHMM) since 1998 with extensive experience with preparation and submission of every aspect of the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 including; Phase I through Phase V reports, Downgradient Property Status (DPS), Activity and Use Limitations (AULs), Characterizations, Class A, B and C Method 1 and Risk 3 Response Action Outcome (RAO) and Permanent Solutions, Numerical Site Ranking, Immediate Response Action (IRA) Plans and Release Abatement Measure (RAM) Plans, status and completion reports, Tier I Permit Applications, Major Permit Modifications and vapor intrusion assessments. He also provided LSP technical report review and provided cost estimates for various lending institutions, insurance companies, law offices and other property acquisition/development corporations. Ιn addition to his extensive experience in Massachusetts, he has personally performed either environmental site assessments and/or site remediation in New Hampshire, Georgia, Rhode Island, New Jersey, Texas, Kansas, California, Florida, Michigan and Pennsylvania.

Prior to joining Hygienetics in 1996, Kevin worked as a Site Operation's Manager/Senior Environmental Engineer responsible for all technical and business activities for a 13-person branch office for Groundwater & Environmental Services, Inc. (a full-service environmental consulting/remediation firm).

Some of his accomplishments include:

Technical Specialties:

Phase I and II Environmental Site Assessments

Soil and Groundwater Investigations

Risk-Based Closure Assessments

UST Management/Closure

Soil and Groundwater Remediation

Education:

B.S., Civil Engineering, University of Maine at Orono, 1985

Certifications:

Massachusetts Licensed Site Professional (LSP) License No. 7610

Certified Hazardous Materials Manager (CHMM) License No. 9287

OSHA Standard 29 CFR 1920 and SARA Section 126(d) (HAZWOPER)

Professional Affiliations:

Massachusetts Licensed Site Professionals Association (LSPA)

KEVIN J. KAVANAUGH, L.S.P., CHMM Principal Environmental Engineer

- National Account Director as the primary contact for the Hygienetics National Account's Program. A partial client list includes: GE Capital Real Estate, Archon Group LP, Finova Realty Capital, American General Realty Advisors, Storage USA, Metropolitan Life Insurance and State Teachers Retirement System of Ohio.
- ➤ Performed and/or supervised the performance of over 2,000 due diligence environmental assessment reports throughout the country. A partial list of local and nationwide client includes: Princeton Properties Management, Jones Lang LaSalle, John Hancock, Trammell Crow Company, Starwood Lodging, Equitable Real Estate, Northwestern Mutual Life Insurance, Insignia/ESG, Cornerstone Properties, Equity Office Properties, Prudential Real Estate and Marriott/Claris Corporation.
- ➤ Supervised a technical staff of 13 and was New England Regional Account Manager for a \$1 million/year major oil corporation client.
- ➤ Designed or redesigned and directed the installation of over 50 remedial treatment systems including dual phase extraction (high vacuum extraction), soil vacuum extraction, air sparging and product/groundwater recovery and treatment.
- > Developed New England regional LSP risk-based closure program for existing client base.
- ➤ Performed all phases of environmental project development and management including: groundwater modeling, hydrogeologic studies, physical and chemical interpretation of field data, preparation and review of initial and complex site assessments, and remedial action reports in accordance with MGL21E, MCP, RCRA and other regulations.
- ➤ Performed other technical activities including a variety of pilot tests (aquifer, hydraulic conductivity, vacuum extraction and air sparging), the preparing of Wetlands Notice of Intents, air and groundwater discharge permitting and supervision of UST removals/closures.
- ➤ Directed the operation and maintenance of over 125 active soil and groundwater organic contamination recovery and treatment systems. Remedial treatment systems included soil vacuum extraction, air sparging, UV peroxidation, hydrogen peroxide Injection and product/groundwater recovery and treatment.
- ➤ Completed over 300 MCP Method 1, Method 2 and Method 3 Risk Characterizations and Class A, B and C Response Action Outcomes (RAOs)/Permanent Solutions (regulatory site closures).
- ➤ Managed and completed a 40 property real estate due diligence Phase I ESA nationwide portfolio for a large National Account Real Estate Client in an expedited timeframe.

Technical Specialties:

Phase I and II Environmental Site Assessments

Soil and Groundwater Investigations

Risk-Based Closure Assessments

UST Management/Closure

Soil and Groundwater Remediation

Education:

B.S., Civil Engineering, University of Maine at Orono, 1985

Certifications:

Massachusetts Licensed Site Professional (LSP) License No. 7610

Certified Hazardous Materials Manager (CHMM) License No. 9287

OSHA Standard 29 CFR 1920 and SARA Section 126(d) (HAZWOPER)

Professional Affiliations:

Massachusetts Licensed Site Professionals Association (LSPA)

The Commonwealth of Massachusetts

HAZARDOUS WASTE SITE CLEANUP PROFESSIONALS BOARD OF REGISTRATION OF

This is to Certify That

Kevin J Kavanaugh

has been duby registered by this Board as a qualified Sicensed Site Trofessional, as provided by the laws of the Commonwealth.



Poston, Massachusetts

August 14, 2020

18/ Millie Garcia-Serrano

Chairperson of the Board

July 30, 2023

7610

License Sumber

Expiration Date

APPENDIX D

ASSESSOR PROPERTY RECORD CARDS



Unofficial Property Record Card - Burlington, MA

General Property Data

Parcel ID 9-47-0 Prior Parcel ID 000009 --

Property Owner TOWN OF BURLINGTON

FOX HILL SCHOOL

Mailing Address 29 CENTER ST

City BURLINGTON

Mailing State MA Zip 01803

ParcelZoning RO

Account Number 0

Property Location 252 FOX HILL RD

Property Use Improved, Ed

Most Recent Sale Date 1/1/1955

Legal Reference 10963-296

Grantor

Sale Price 0

Land Area 37.900 acres

Current Property Assessment

Building Value 8,237,200 Card 1 Value

Building Value 9,220,100

Xtra Features Value 49,100

Land Value 2,810,900

Total Value 11,097,200

Xtra Features Value 49,100

Land Value 2,810,900

Total Value 12,080,100

Building Description

Building Style School

of Living Units 1

Total Parcel

Value

Year Built 1960

Building Grade Good

Building Condition Good

Finished Area (SF) 57347

Number Rooms 0

of 3/4 Baths 0

Foundation Type Slab

Frame Type Concrete

Roof Structure Hip

Roof Cover Membrane

Siding Brick Veneer

Interior Walls Minimal

of Bedrooms 0

of 1/2 Baths 0

Flooring Type Asphalt Tile

Basement Floor N/A

Heating Type Steam

Heating Fuel Gas

Air Conditioning 0%

of Bsmt Garages 0

of Full Baths 0

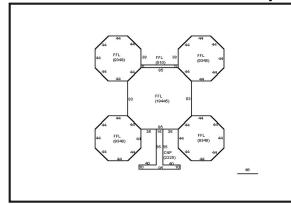
of Other Fixtures 86

Legal Description

Narrative Description of Property

This property contains 37.900 acres of land mainly classified as Improved, Ed with a(n) School style building, built about 1960, having Brick Veneer exterior and Membrane roof cover, with 1 unit(s), 0 room(s), 0 bedroom(s), 0 bath(s), 0 half bath(s).

Property Images





Disclaimer: This information is believed to be correct but is subject to change and is not warranteed.

Unofficial Property Record Card - Burlington, MA

General Property Data

Parcel ID 9-47-0 Prior Parcel ID 000009 --

Property Owner TOWN OF BURLINGTON

FOX HILL SCHOOL

Mailing Address 29 CENTER ST

City BURLINGTON

Mailing State MA Zip 01803

ParcelZoning RO

Account Number 0

Property Location 252 FOX HILL RD

Property Use Improved, Ed

Most Recent Sale Date 1/1/1955 Legal Reference 10963-296

Grantor

Sale Price 0

Land Area 0.000 acres

Current Property Assessment

Building Value 982,900 Card 2 Value

Xtra Features Value

Land Value 0

Total Value 982,900

Total Parcel Value

Building Value 9,220,100

Xtra Features Value 49,100

Land Value 2,810,900

Total Value 12,080,100

Building Description

Building Style School

of Living Units 1

Year Built 2006

Building Grade Average. (-)

Building Condition N/A Finished Area (SF) 5632

Number Rooms 0

of 3/4 Baths 0

Foundation Type Piers

Frame Type Wood

Roof Structure Flat

Roof Cover Membrane

Siding Vinyl

Interior Walls Drywall # of Bedrooms 0

of 1/2 Baths 0

Flooring Type Carpet Basement Floor N/A

Heating Type Elec Base/B

Heating Fuel Electric

Air Conditioning 100%

of Bsmt Garages 0

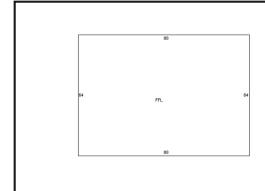
of Full Baths 0 # of Other Fixtures 0

Legal Description

Narrative Description of Property

This property contains 0.000 acres of land mainly classified as Improved, Ed with a(n) School style building, built about 2006 , having Vinyl exterior and Membrane roof cover, with 1 unit(s), 0 room(s), 0 bedroom(s), 0 bath(s), 0 half bath(s).

Property Images





Disclaimer: This information is believed to be correct but is subject to change and is not warranteed.

APPENDIX E

SITE PHOTOGRAPHS



<u>Photo 1</u> – View of north side of Site building.



<u>Photo 2</u> – View of west side of Site building.





<u>Photo 3</u> – View of south side of Site building.

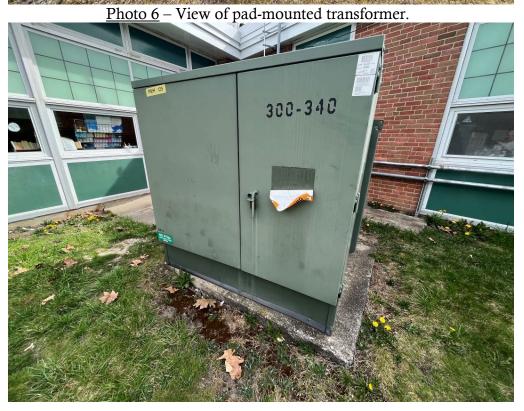


Photo 4 – View of east side of Site building, playground and athletic field.











<u>Photo 7</u> – View of modular addition at west side of Site building.

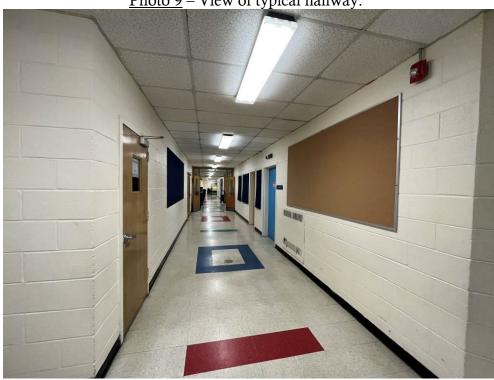


<u>Photo 8</u> – View of entrance and lobby.





<u>Photo 9</u> – View of typical hallway.



<u>Photo 10</u> – View of typical classroom.





<u>Photo 11</u> – View of natural gas-fired emergency generator.



<u>Photo 12</u> – View of teachers lounge.

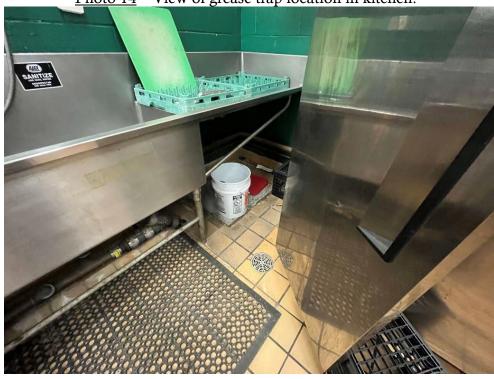




<u>Photo 13</u> – View of kitchen area.



<u>Photo 14</u> – View of grease trap location in kitchen.

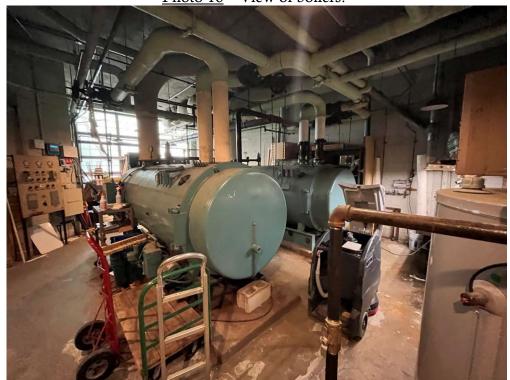




<u>Photo 15</u> – View of cleaning supply storage.



<u>Photo 16</u> – View of boilers.





<u>Photo 17</u> – View of hot water heater and ACM labeled pipes.

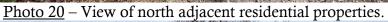


<u>Photo 18</u> – View of west adjacent residential properties.





Photo 19 – View of north adjacent residential properties.







ECMS Project No. 1009.077

APPENDIX F

ENVIRONMENTAL DATA RESOURCES, INC. (EDR) RADIUS MAP REPORT WITH GEOCHECK DATED MARCH 31, 2023



Fox Hill Elementary School 252 Fox Hill Road Burlington, MA 01803

Inquiry Number: 7295798.2s

March 31, 2023

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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TARGET PROPERTY INFORMATION

ADDRESS

252 FOX HILL ROAD BURLINGTON, MA 01803

COORDINATES

Latitude (North): 42.5290520 - 42° 31' 44.58" Longitude (West): 71.1884610 - 71° 11' 18.45"

Universal Tranverse Mercator: Zone 19 UTM X (Meters): 320257.0 UTM Y (Meters): 4710625.5

Elevation: 173 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 11762185 WILMINGTON, MA

Version Date: 2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140712 Source: USDA

MAPPED SITES SUMMARY

Target Property Address: 252 FOX HILL ROAD BURLINGTON, MA 01803

Click on Map ID to see full detail.

MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
ID A1	FOX HILL ELEMENTARY	FOX HILL RD.	MA ASBESTOS	ELEVATION	TP
A2	FOX HILL SCHOOL	250 FOX HILL ROAD	MA ASBESTOS		TP
А3	FOX HILL SCHOOL	250 FOX HILL ROAD	MA ASBESTOS		TP
A4	FOX HILL SCHOOL	250 FOX HILL ROAD	MA ASBESTOS		TP
Reg	OLIN CHEMICAL	51 EAMES ST	NPL, SEMS, MA SHWS, MA SWF/LF, MA BROWNFIELD	OS, MA.Same	3108, 0.589, East
5	NO LOCATION AID	25 ROCKY HILL RD	MA SHWS, MA RELEASE	Lower	2098, 0.397, SW
6	RESIDENCE	120 WILMINGTON ROAD	MA SHWS, MA LUST, MA RELEASE, MA ASBESTOS, M	//A ENFLower	3270, 0.619, WNW
7	NO LOCATION AID	96 CHESTNUT ST	MA SHWS, MA RELEASE	Lower	3907, 0.740, ENE
8	SCHILL RESIDENCE	15 CUTTING LANE	MA SHWS, MA RELEASE	Lower	4204, 0.796, WSW
9	WILMINGTON GEO RES A		FUDS	Lower	4253, 0.805, NE
B10	RESIDENTIAL PROPERTY	19 SKILTON LN	MA SHWS, MA LUST, MA RELEASE, MA ENF	Lower	4868, 0.922, SSW
11	CORNER OF CLINTON AN	2 CLINTON ST	MA SHWS, MA RELEASE	Lower	4992, 0.945, NNW
B12	NO LOCATION AID	4 BROOKFIELD RD	MA SHWS, MA RELEASE	Lower	5072, 0.961, SSW

TARGET PROPERTY SEARCH RESULTS

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

Site	Database(s)	EPA ID
FOX HILL ELEMENTARY FOX HILL RD. BURLINGTON, MA	MA ASBESTOS	N/A
FOX HILL SCHOOL 250 FOX HILL ROAD BURLINGTON, MA	MA ASBESTOS	N/A
FOX HILL SCHOOL 250 FOX HILL ROAD BURLINGTON, MA	MA ASBESTOS	N/A
FOX HILL SCHOOL 250 FOX HILL ROAD BURLINGTON, MA 01803	MA ASBESTOS	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites
Proposed NPL Proposed National Priority List Sites NPL LIENS Federal Superfund Liens
Lists of Federal Delisted NPL sites
Delisted NPL National Priority List Deletions
Lists of Federal sites subject to CERCLA removals and CERCLA orders
FEDERAL FACILITY Federal Facility Site Information listing
Lists of Federal CERCLA sites with NFRAP
SEMS-ARCHIVE Superfund Enterprise Management System Archive

CORRACTS	Corrective Action Report
Lists of Federal RCRA TSD	facilities
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
Lists of Federal RCRA gene	erators
RCRA-SQG	RCRA - Large Quantity Generators RCRA - Small Quantity Generators RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)
Federal institutional contro	ls / engineering controls registries
US ENG CONTROLS	Land Use Control Information System Engineering Controls Sites List Institutional Controls Sites List
Federal ERNS list ERNS	- Emergency Response Notification System

Lists of state and tribal registered storage tanks

Lists of state and tribal leaking storage tanks

FEMA UST	Underground Storage Lank Listing
MA UST	Summary Listing of all the Tanks Registered in the State of Massachusetts
	Aboveground Storage Tank Database
INDIAN UST	Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

MA LAST..... Leaking Aboveground Storage Tank Sites

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

MA INST CONTROL..... Sites With Activity and Use Limitation

Lists of Federal RCRA facilities undergoing Corrective Action

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

ODI..... Open Dump Inventory

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

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

Local Land Records

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

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

Other Ascertainable Records

RCRA NonGen / NLR....... RCRA - Non Generators / No Longer Regulated

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

RAATS______RCRA Administrative Action Tracking System

PADS...... PCB Activity Database System

Act)/TSCA (Toxic Substances Control Act)

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

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

PCB TRANSFORMER...... PCB Transformer Registration Database

RADINFO...... Radiation Information Database

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

DOT OPS..... Incident and Accident Data

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

INDIAN RESERV..... Indian Reservations

FUSRAP..... Formerly Utilized Sites Remedial Action Program

UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS.....Lead Smelter Sites

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

US MINES..... Mines Master Index File ABANDONED MINES..... Abandoned Mines

DOCKET HWC..... Hazardous Waste Compliance Docket Listing

UXO...... Unexploded Ordnance Sites

FUELS PROGRAM______ EPA Fuels Program Registered Listing PFAS FEDERAL SITES_____ Federal Sites PFAS Information

PFAS TSCA..... PFAS Manufacture and Imports Information

PFAS RCRA MANIFEST..... PFAS Transfers Identified In the RCRA Database Listing

PFAS ATSDR______PFAS Contamination Site Location Listing
PFAS WQP_____Ambient Environmental Sampling for PFAS

PFAS NPDES...... Clean Water Act Discharge Monitoring Information

AQUEOUS FOAM NRC...... Aqueous Foam Related Incidents Listing

MA PFAS PFAS Contaminated Sites Listing

MA MERCURY Mercury Product Recyling Drop-Off Locations Listing

MA NPDES Permit Listing
MA TIER 2..... Tier 2 Information Listing

MA TSD..... TSD Facility

MA UIC...... Underground Injection Control Listing MINES MRDS...... Mineral Resources Data System PFAS TRIS...... List of PFAS Added to the TRI

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

MA RGA HWS	Recovered (Government .	Archive	State Ha	azardous	Waste Fa	acilities L	_ist
MA RGA LUST	Recovered (Government.	Archive	Leaking	Undergro	und Stor	age Tan	k

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

Sites listed in bold italics are in multiple databases.

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

A review of the NPL list, as provided by EDR, and dated 01/25/2023 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OLIN CHEMICAL Cerclis ID:: 100438	51 EAMES ST	E 1/2 - 1 (0.589 mi.)	0	12
EPA Id: MAD001403104				

Lists of state- and tribal hazardous waste facilities

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 01/08/2023 has revealed that there are 8 MA SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OLIN CHEMICAL Release Tracking Number: 3-0011816 Release Tracking Number: 3-0000471 Current Status: RAONR Current Status: ADQREG	51 EAMES ST	E 1/2 - 1 (0.589 mi.)	0	12
Lower Elevation	Address	Direction / Distance	Map ID	Page
NO LOCATION AID Release Tracking Number: 3-0021081 Current Status: RAO	25 ROCKY HILL RD	SW 1/4 - 1/2 (0.397 mi.)	5	57
RESIDENCE Release Tracking Number: 3-0031611 Current Status: RAO	120 WILMINGTON ROAD	WNW 1/2 - 1 (0.619 mi.)	6	59
NO LOCATION AID Release Tracking Number: 3-0019045 Current Status: RAO	96 CHESTNUT ST	ENE 1/2 - 1 (0.740 mi.)	7	65
SCHILL RESIDENCE Release Tracking Number: 3-0031971 Current Status: RAO	15 CUTTING LANE	WSW 1/2 - 1 (0.796 mi.)	8	67
RESIDENTIAL PROPERTY Release Tracking Number: 3-0025779 Current Status: RAO	19 SKILTON LN	SSW 1/2 - 1 (0.922 mi.)	B10	69
CORNER OF CLINTON AN	2 CLINTON ST	NNW 1/2 - 1 (0.945 mi.)	11	78

Release Tracking Number: 3-0023625

Current Status: RAO

NO LOCATION AID 4 BROOKFIELD RD SSW 1/2 - 1 (0.961 mi.) B12 81

Release Tracking Number: 3-0011228

Current Status: RAO

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 11/01/2022 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WILMINGTON GEO RES A		NE 1/2 - 1 (0.805 mi.)	9	69

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

A review of the ROD list, as provided by EDR, and dated 01/25/2023 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OLIN CHEMICAL	51 EAMES ST	E 1/2 - 1 (0.589 mi.)	0	12

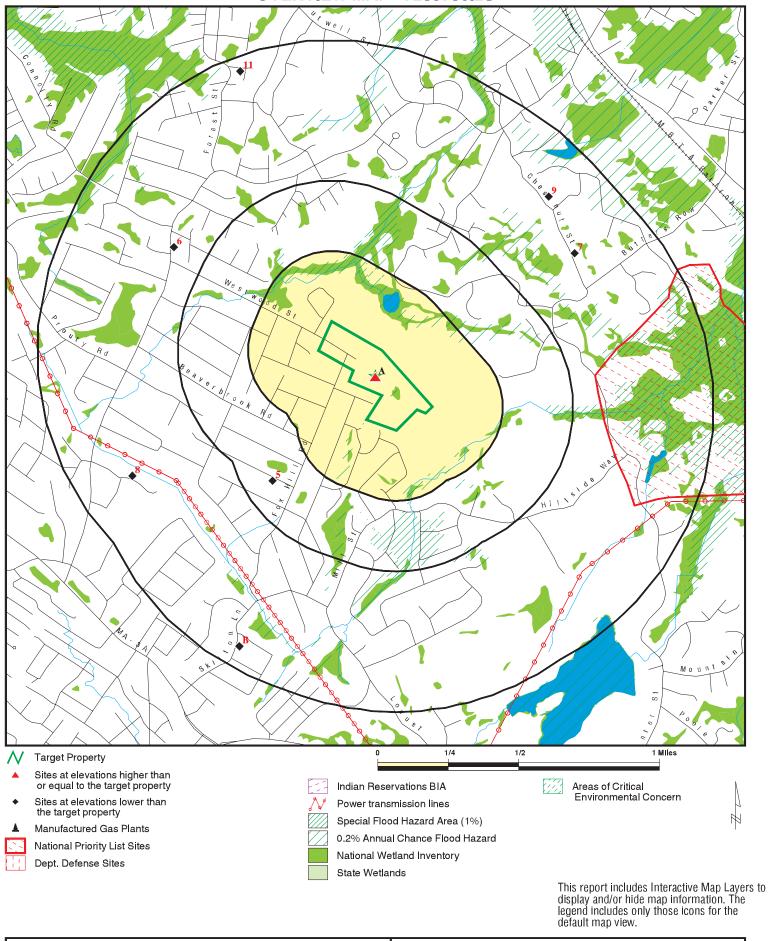
Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name

7 NEW ENGLAND EXECUTIVE PARK SUMNER STREET @ FOXHILL ROAD COMMUTER RAILROAD LINE Database(s)

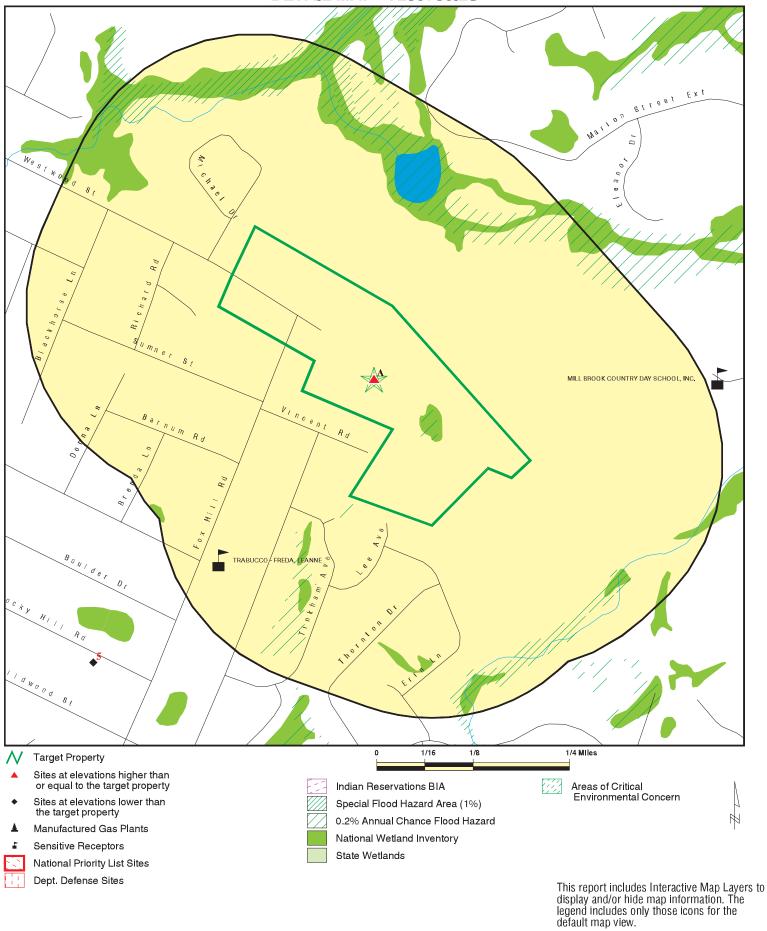
MA SHWS, MA RELEASE MA SHWS, MA RELEASE MA SHWS, MA RELEASE

OVERVIEW MAP - 7295798.2S



SITE NAME: Fox Hill Elementary School
ADDRESS: 252 Fox Hill Road CONTACT: Cheryl Cambria
Burlington MA 01803 INQUIRY #: 7295798.2s
LAT/LONG: 42.529052 / 71.188461 DATE: March 31, 2023 2:57 pm

DETAIL MAP - 7295798.2S



SITE NAME: Fox Hill Elementary School
ADDRESS: 252 Fox Hill Road CONTACT: Cheryl Cambria
Burlington MA 01803 INQUIRY #: 7295798.2s
LAT/LONG: 42.529052 / 71.188461 DATE: March 31, 2023 2:57 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted
STANDARD ENVIRONMENT	TAL RECORDS							
Lists of Federal NPL (Su	perfund) site	s						
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	1 0 0	NR NR NR	1 0 0
Lists of Federal Delisted	NPL sites							
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA fa undergoing Corrective A								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA T	SD facilities							
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA g	enerators							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls reg								
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilitie	es							
MA SHWS	1.000		0	0	1	7	NR	8
Lists of state and tribal l and solid waste disposa								
MA SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
MA LUST	0.500		0	0	0	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 LAST INDIAN LUST	0.500 0.500		0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal	registered sto	rage tanks						
FEMA UST MA UST MA AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0 0	0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0
State and tribal institution control / engineering co		s						
MA INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal	voluntary clea	anup sites						
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
MA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	0 0 0 0
Local Lists of Hazardou Contaminated Sites	s waste /							
US HIST CDL US CDL	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Local Land Records								
MA LIENS LIENS 2	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Records of Emergency	Release Repo	rts						
HMIRS MA SPILLS MA RELEASE MA SPILLS 90 MA SPILLS 80	TP TP TP TP TP		NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0
Other Ascertainable Red	cords							
RCRA NonGen / NLR FUDS	0.250 1.000		0 0	0	NR 0	NR 1	NR NR	0 1

MAP FINDINGS SUMMARY

	0
DOD 1.000 0 0 0 NR	
SCRD DRYCLEANERS 0.500 0 0 NR NR	
US FIN ASSUR TP NR NR NR NR NR	0
EPA WATCH LIST TP NR NR NR NR NR	0
2020 COR ACTION 0.250 0 0 NR NR NR	Ö
TSCA TP NR NR NR NR NR	Ö
TRIS TP NR NR NR NR NR	Ö
SSTS TP NR NR NR NR NR	Ö
ROD 1.000 0 0 1 NR	1
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 NR NR	0
PCB TRANSFORMER TP NR NR NR NR NR NR	0
RADINFO TP NR NR NR NR NR NR	0
HIST FTTS TP NR NR NR NR NR NR	0
DOT OPS TP NR NR NR NR NR CONSENT 1.000 0 0 0 0 NR	0
CONSENT 1.000 0 0 0 0 NR INDIAN RESERV 1.000 0 0 0 0 NR	0 0
FUSRAP 1.000 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	Ö
ABANDONED MINES 0.250 0 0 NR NR NR	0
FINDS TP NR NR NR NR NR	0
ECHO TP NR NR NR NR NR	0
DOCKET HWC TP NR NR NR NR NR	0
UXO 1.000 0 0 0 NR	0
FUELS PROGRAM 0.250 0 0 NR NR NR	0
PFAS NPL 0.250 0 0 NR NR NR	0
PFAS FEDERAL SITES 0.250 0 0 NR NR NR	0
PFAS TSCA 0.250 0 0 NR NR NR	0
PFAS RCRA MANIFEST 0.250 0 0 NR NR NR	0
PFAS ATSDR 0.250 0 NR NR NR	0
PFAS WQP 0.250 0 0 NR NR NR PFAS NPDES 0.250 0 0 NR NR NR	0 0
PFAS ECHO 0.250 0 0 NR NR NR NR	0
PFAS ECHO FIRE TRAINING 250 0 0 NR NR NR	0
PFAS PART 139 AIRPORT 0.250 0 0 NR NR NR	0
AQUEOUS FOAM NRC 0.250 0 0 NR NR NR	0
MA PFAS 0.250 0 0 NR NR NR	0
MA AIRS TP NR NR NR NR	Ö
MA ASBESTOS TP 4 NR NR NR NR NR	4
MA DRYCLEANERS 0.250 0 0 NR NR NR	0
MA ENF 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
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
PA MANIFEST	0.250		0	0	NR	NR	NR	0
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
PFAS TRIS	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
MA RGA HWS MA RGA LUST	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
- Totals		4	0	0	1	10	0	15

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

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

Α1 FOX HILL ELEMENTARY SCHOOL MA ASBESTOS S119882427 N/A

Target FOX HILL RD. **BURLINGTON, MA Property**

Site 1 of 4 in cluster A

ASBESTOS: Actual: 173 ft.

FOX HILL ELEMENTARY SCHOOL Name:

FOX HILL RD. Address: BURLINGTON, MA City,State,Zip: Notification: Not reported DEP Region: Not reported Not reported Notifiers Name: Start Date: 07/24/2013 End Date: 07/26/2013 Date Entered: Not reported 07/20/2013 Entry Date: Quantity Materical Removed SF: 600.00 Quantity Material Removed LF: .00 Project Description: Trns AR Tracking ID: 176384 Super Lic Number: AS001587

Monitor Lic Number: AA000177 Lab Lic Number: Not reported Year: 2013 Sticker Number: 100181814 ANF-001 Form Type: Fee Status: Exempt Facility Phone: 7812701791 Sub Town: Not reported **THROUGHOUT**

Occupied: 0

Worksite:

Contractor: AC000669 Contract Type: VERBAL

Hours: Week days: 7AM-5:30PM Week end: N/A

Project Type: Renv Abatement Process: Fcontain Indoors Location:

Decon Process: 3 CHAMBER DECON

WET REMOVAL, DOUBLE BAG, FIBER DRUMS Disposal Methods:

Facility Usage: **EDUCATIONAL** Waiver Given: Not reported 1307925 **DEP Waiver Number: DLWD Waiver Number:** 7008-2013

Small Owner Occ:

BURLINGTON PUBLIC SCHOOLS Owner Name:

Owner Address: 123 CAMBRIDGE ST Owner City: BURLINGTON

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

PREMIER ABATEMENT & LABOR SERVICES Transporter Name:

10 FALCON ST Transporter Address: Transporter City: **METHUEN** Transporter State: Not reported

Direction Distance

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

FOX HILL ELEMENTARY SCHOOL (Continued)

S119882427

Final Site: 39

Certified Name: **RAMON TEJADA** Cert Sign Date: 07/20/2013

Certified Company: PREMIER ABATEMENT

Certified Phone: 9782087163 Entered_by: Not reported

A2 FOX HILL SCHOOL MA ASBESTOS \$122914096 **Target** 250 FOX HILL ROAD N/A

BURLINGTON, MA Property

Site 2 of 4 in cluster A

Actual: ASBESTOS: 173 ft.

FOX HILL SCHOOL Name: 250 FOX HILL ROAD Address: City,State,Zip: BURLINGTON, MA Notification: Not reported

DEP Region: Not reported Notifiers Name: Not reported 04/19/2016 Start Date: End Date: 04/19/2016 Date Entered: Not reported Entry Date: 03/23/2016 Quantity Materical Removed SF: 10.00 Quantity Material Removed LF: .00 Project Description: **BOILER** AR Tracking ID: 234524

Super Lic Number: AS033140 Monitor Lic Number: AA000007 Lab Lic Number: AA000007 Year: 2016 Sticker Number: 100239242R

ANF-001 Form Type: Fee Status: **EXEMPT** Facility Phone: 7812701791 Sub Town: Not reported Worksite: **BOILER ROOM**

Occupied: -1

AC000319 Contractor: Contract Type: WRITTEN Hours: 7AM-4PM Project Type: Renv **Abatement Process: Fcontain** Location: **INDOORS**

THREE CHAMBER DECONTAMINATION CHAMBER WITH SHOWER Decon Process:

Disposal Methods: ALL MATERIAL WILL BE WETTED THOROUGHLY, DOUBLE BAGGED AND LABLELED

Facility Usage: SCHOOL Waiver Given: Not reported **DEP Waiver Number:** Not reported **DLWD Waiver Number:** Not reported

Small Owner Occ:

Owner Name: SUPERINTENDENT OF SCHOOLS

123 CAMBRIDGE STREET Owner Address:

Owner City: BURLINGTON

Owner State: MA

ROD BUTCHER On Site Manager Name: On Site Manager Phone: 6173206876

Direction Distance

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

FOX HILL SCHOOL (Continued)

S122914096

Ins Comp: **GREAT DIVIDE** Policy Number: WCA200774210 EXP Date: 8/1/2016

Facility Size: 150000 Transporter Name: ABS,INC Transporter Address: PO BOX 9 Transporter City: SALEM Transporter State: NH

Final Site: Not reported Certified Name: WILLIAM SHEA 03/23/2016 Cert Sign Date: Certified Company: ABS,INC Certified Phone: 6038930380 Entered_by: ABS,INC.

Not reported

Not reported

BOILER ROOM

А3 **FOX HILL SCHOOL Target** 250 FOX HILL ROAD **BURLINGTON, MA Property**

MA ASBESTOS S119923019

N/A

Site 3 of 4 in cluster A

DEP Region:

Sub Town:

Worksite:

Actual: ASBESTOS: 173 ft.

FOX HILL SCHOOL Name: 250 FOX HILL ROAD Address: City,State,Zip: BURLINGTON, MA Notification: Not reported

Notifiers Name: Not reported Start Date: 04/20/2016 End Date: 04/20/2016 Date Entered: Not reported Entry Date: 03/17/2016 Quantity Materical Removed SF: 10.00 Quantity Material Removed LF: .00 Project Description: **BOILER** AR Tracking ID: 234156 Super Lic Number: AS033140 AA000007 Monitor Lic Number: AA000007 Lab Lic Number: Year: 2016 Sticker Number: 100239242 Form Type: ANF-001 **EXEMPT** Fee Status: Facility Phone: 7812701791

Occupied: -1

AC000319 Contractor: WRITTEN Contract Type: 7AM-4PM Hours: Project Type: Renv Abatement Process: Fcontain **INDOORS** Location:

THREE CHAMBER DECONTAMINATION CHAMBER WITH SHOWER Decon Process:

Disposal Methods: ALL MATERIAL WILL BE WETTED THOROUGHLY, DOUBLE BAGGED AND LABLELED

SCHOOL Facility Usage: Waiver Given: Not reported **DEP Waiver Number:** Not reported

Direction Distance

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

FOX HILL SCHOOL (Continued)

S119923019

N/A

DLWD Waiver Number: Not reported

Small Owner Occ:

SUPERINTENDENT OF SCHOOLS Owner Name:

123 CAMBRIDGE STREET Owner Address:

Owner City: **BURLINGTON**

Owner State: MA

ROD BUTCHER On Site Manager Name: On Site Manager Phone: 6173206876 Ins Comp: **GREAT DIVIDE** Policy Number: WCA200774210 EXP Date: 8/1/2016 Facility Size: 150000 Transporter Name: ABS,INC Transporter Address: PO BOX 9 Transporter City: SALEM Transporter State: NH

Final Site: Not reported WILLIAM SHEA Certified Name: Cert Sign Date: 03/17/2016 Certified Company: ABS,INC Certified Phone: 6038930380 Entered_by: ABS,INC.

FOX HILL SCHOOL Α4 MA ASBESTOS \$119923020

Target 250 FOX HILL ROAD **Property BURLINGTON, MA 01803**

Site 4 of 4 in cluster A

Actual: ASBESTOS: 173 ft. Name:

FOX HILL SCHOOL Address: 250 FOX HILL ROAD City,State,Zip: BURLINGTON, MA 01803

Notification: 100239242R1

DEP Region: NE

Notifiers Name: ADVANCED BUILDING SYSTEMS INC

Start Date: 04/19/2016 End Date: 04/19/2016 Date Entered: 23/03/2016 Entry Date: 03/23/2016

Quantity Materical Removed SF: 10 Quantity Material Removed LF: Project Description: **BOILER** AR Tracking ID: Not reported Super Lic Number: Not reported Monitor Lic Number: Not reported Not reported Lab Lic Number: Year: 2016 Sticker Number: Not reported

Not reported Form Type: Fee Status: Not reported Facility Phone: Not reported Sub Town: Not reported Worksite: Not reported Occupied: Not reported Contractor: Not reported Not reported Contract Type: Hours: Not reported

Direction Distance

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

FOX HILL SCHOOL (Continued)

S119923020

Project Type: Not reported Not reported Abatement Process: Location: Not reported Decon Process: Not reported Disposal Methods: Not reported 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: Not reported Owner Address: Not reported Owner City: Not reported Owner State: Not reported On Site Manager Name: Not reported On Site Manager Phone: Not reported Not reported Ins Comp: Policy Number: Not reported EXP Date: Not reported Facility Size: Not reported Transporter Name: Not reported Transporter Address: Not reported Transporter City: Not reported Transporter State: Not reported Not reported Final Site: Certified Name: Not reported Cert Sign Date: Not reported Certified Company: Not reported Certified Phone: Not reported Not reported Entered_by:

NPL **OLIN CHEMICAL 51 EAMES ST** Region East WILMINGTON, MA 01887

1/2-1 3108 ft.

MA SHWS MA SWF/LF **MA BROWNFIELDS MA RELEASE MA SPILLS** ROD PRP **ICIS FINDS ECHO PFAS NPL MA ASBESTOS MA Financial Assurance** MA HW GEN

PA MANIFEST

NPL

SEMS

1000304514

MAD001403104

NPL:

EPA Region:

EPA ID: MAD001403104 Site ID: 100438

OLIN CHEMICAL Name: Address: 51 EAMES ST

WILMINGTON, MA 01887 City,State,Zip:

Federal:

Final Date: 2006-04-19 00:00:00

Direction Distance

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

OLIN CHEMICAL (Continued)

1000304514

Latitude: 42.528056 -71.153889 Longitude: Site Score: 50

NAI: Not reported

Native American Entity: Not reported

Substance as of 08/2019:

NPL Status: Currently on the Final NPL

Substance ID: Not reported CAS Number: Not reported Substance: Not reported Pathway: Not reported Scoring: Not reported

Site as of 08/2019:

EPA Region: 01 Site ID: 0100438 Site Status: Federal Site: Ν

Date Deleted: Not reported 04/19/06 Date Finalized: Date Proposed: 09/14/05

Narr:

Site Name: Olin Chemical Site EPA ID: MAD001403104 Listing Date: 4/19/2006 Site Score: 50 Federal Facility Indicator: No

Site List URL: https://semspub.epa.gov/src/document/01/75001025

Site Progress URL: https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0100438 http://www.gpo.gov/fdsys/pkg/FR-2006-04-19/pdf/06-3666.pdf Federal Register URL:

Site Location URL: https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=33cebcdfdd

1b4c3a8b51d416956c41f1&query=Superfund_National_Priorities_List__NPL Sites_with_Status_Information_7557,SITE_EPA_ID=%27MAD001403104%27

SEMS:

0100438 Site ID: EPA ID: MAD001403104 Name: **OLIN CHEMICAL** Address: 51 EAMES ST Address 2: Not reported

City,State,Zip: WILMINGTON, MA 01887

Cong District: FIPS Code: 25017 Latitude: +42.528056 Longitude: -071.153889

FF:

NPL: Currently on the Final NPL

Non NPL Status: Not reported

SEMS Detail:

Region: 01 Site ID: 0100438 MAD001403104 EPA ID:

Direction Distance

Elevation Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

OLIN CHEMICAL

 Site Name:
 OLI

 NPL:
 F

 FF:
 N

 OU:
 00

 Action Code:
 NP

Action Name: PROPOSED

SEQ:

 Start Date:
 2005-09-14 04:00:00

 Finish Date:
 2005-09-14 04:00:00

 Qual:
 Not reported

Current Action Lead: EPA Perf

 Region:
 01

 Site ID:
 0100438

 EPA ID:
 MAD001403104

 Site Name:
 OLIN CHEMICAL

 NPL:
 F

 FF:
 N

 OU:
 00

 Action Code:
 HR

 Action Name:
 HAZRANK

SEQ: 1

 Start Date:
 2004-08-23 04:00:00

 Finish Date:
 2005-09-01 04:00:00

 Qual:
 O

Qual: O
Current Action Lead: EPA Perf

 Region:
 01

 Site ID:
 0100438

 EPA ID:
 MAD001403104

 Site Name:
 OLIN CHEMICAL

 NPL:
 F

 FF:
 N

 OU:
 00

 Action Code:
 NF

 Action Name:
 NPL FINL

SEQ:

 Start Date:
 2006-04-19 04:00:00

 Finish Date:
 2006-04-19 04:00:00

 Qual:
 Not reported

 Current Action Lead:
 EPA Perf

 Region:
 01

 Site ID:
 0100438

 EPA ID:
 MAD001403104

 Site Name:
 OLIN CHEMICAL

 NPL:
 F

 FF:
 N

 OU:
 00

 Action Code:
 SI

 Action Name:
 SI

 SEQ:
 1

Start Date: 1981-10-01 04:00:00 Finish Date: 1981-10-01 04:00:00

Qual:

Current Action Lead: EPA Perf

EDR ID Number

1000304514

Direction Distance

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

OLIN CHEMICAL (Continued)

1000304514

Region: 01 Site ID: 0100438 EPA ID: MAD001403104 Site Name: **OLIN CHEMICAL**

NPL: FF: Ν OU: 00 Action Code: DS Action Name: **DISCVRY** SEQ:

Start Date: 1980-06-01 04:00:00 Finish Date: 1980-06-01 04:00:00 Qual: Not reported **Current Action Lead: EPA Perf**

01 Region: 0100438 Site ID: EPA ID: MAD001403104 Site Name: **OLIN CHEMICAL**

NPL: F FF: Ν OU: 00 Action Code: TG **TA GRANT** Action Name:

SEQ: 2008-01-08 05:00:00 Start Date: Finish Date: Not reported Qual: Not reported **Current Action Lead: EPA Perf**

Region: 01 Site ID: 0100438 EPA ID: MAD001403104 **OLIN CHEMICAL** Site Name:

NPL: FF: Ν OU: 01 Action Code: RO Action Name: ROD SEQ:

Start Date: 2021-03-30 05:00:00 Finish Date: 2021-03-30 05:00:00 Qual: Not reported EPA Perf **Current Action Lead:**

Region: 01 0100438 Site ID: EPA ID: MAD001403104 **OLIN CHEMICAL** Site Name:

NPL: FF: Ν OU: 03 Action Code: AR

Action Name: ADMIN REC

SEQ:

Start Date: 2011-06-06 05:00:00 Finish Date: 2011-06-10 05:00:00

Direction Distance

Elevation Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

Qual: V

Current Action Lead: EPA Perf

 Region:
 01

 Site ID:
 0100438

 EPA ID:
 MAD001403104

 Site Name:
 OLIN CHEMICAL

 NPL:
 F

 FF:
 N

 OU:
 00

 Action Code:
 AS

 Action Name:
 AIR SRVY

SEQ:

 Start Date:
 2009-02-26 05:00:00

 Finish Date:
 2009-09-30 04:00:00

 Qual:
 Not reported

Current Action Lead: EPA Perf

 Region:
 01

 Site ID:
 0100438

 EPA ID:
 MAD001403104

 Site Name:
 OLIN CHEMICAL

 NPL:
 F

 FF:
 N

 OU:
 00

 Action Code:
 CR

 Action Name:
 CI

 SEQ:
 1

Start Date: 2007-07-18 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

 Region:
 01

 Site ID:
 0100438

 EPA ID:
 MAD001403104

 Site Name:
 OLIN CHEMICAL

 NPL:
 F

 FF:
 N

 OU:
 00

 Action Code:
 AR

Action Name: ADMIN REC

SEQ:

 Start Date:
 2020-08-10 05:00:00

 Finish Date:
 2020-08-10 05:00:00

 Qual:
 Not reported

 Current Action Lead:
 EPA Perf

 Region:
 01

 Site ID:
 0100438

 EPA ID:
 MAD001403104

 Site Name:
 OLIN CHEMICAL

 NPL:
 F

 FF:
 N

 OU:
 00

 Action Code:
 MA

 Action Name:
 ST COOP

Direction Distance

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

OLIN CHEMICAL (Continued)

SEQ:

2005-08-22 04:00:00 Start Date: Finish Date: Not reported Qual: Not reported

EPA Perf Current Action Lead:

Region: 01 Site ID: 0100438 EPA ID: MAD001403104 Site Name: **OLIN CHEMICAL**

NPL: FF: Ν OU: 00 Action Code: AR

Action Name: ADMIN REC

SEQ:

Start Date: 2021-04-01 05:00:00 Finish Date: 2021-04-01 05:00:00 Qual: Not reported Current Action Lead: **EPA Perf**

01 Region: Site ID: 0100438 EPA ID: MAD001403104 OLIN CHEMICAL Site Name:

NPL: FF: Ν OU: 00 Action Code: AR

Action Name: ADMIN REC

SEQ:

Start Date: 2021-03-25 05:00:00 Finish Date: 2021-03-25 05:00:00 Qual: Not reported EPA Perf Current Action Lead:

Region: 01 0100438 Site ID: MAD001403104 EPA ID: OLIN CHEMICAL Site Name:

NPL: F FF: Ν OU: 00 Action Code: PΑ Action Name: PΑ SEQ:

Start Date: 1980-10-01 04:00:00 1980-10-01 04:00:00 Finish Date:

Qual: Н **Current Action Lead:** Other

01 Region: Site ID: 0100438 EPA ID: MAD001403104 Site Name: **OLIN CHEMICAL**

NPL: FF: Ν 1000304514

Direction Distance

Elevation Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

OU: 00 Action Code: VA

Action Name: OTHR CLEANUP

SEQ:

Start Date: 2000-10-25 04:00:00 Finish Date: 2004-08-23 04:00:00

Qual:

Current Action Lead: St Ovrsght

 Region:
 01

 Site ID:
 0100438

 EPA ID:
 MAD001403104

 Site Name:
 OLIN CHEMICAL

 NPL:
 F

 FF:
 N

 OU:
 01

 Action Code:
 BD

 Action Name:
 PRP RI/FS

SEQ:

 Start Date:
 2007-06-28 04:00:00

 Finish Date:
 2021-03-30 05:00:00

 Qual:
 Not reported

 Current Action Lead:
 EPA Ovrsqht

 Region:
 01

 Site ID:
 0100438

 EPA ID:
 MAD001403104

 Site Name:
 OLIN CHEMICAL

 NPL:
 F

 FF:
 N

 OU:
 02

 Action Code:
 BD

 Action Name:
 PRP RI/FS

 SEQ:
 2

 Start Date:
 2007-06-28 04:00:00

 Finish Date:
 2021-03-30 05:00:00

 Qual:
 Not reported

Current Action Lead: EPA Ovrsght

 Region:
 01

 Site ID:
 0100438

 EPA ID:
 MAD001403104

 Site Name:
 OLIN CHEMICAL

 NPL:
 F

 FF:
 N

 OU:
 03

 Action Code:
 BD

 Action Name:
 PRP RI/FS

SEQ:

 Start Date:
 2007-06-28 04:00:00

 Finish Date:
 2021-03-30 05:00:00

 Qual:
 Not reported

 Current Action Lead:
 EPA Ovrsght

 Region:
 01

 Site ID:
 0100438

 EPA ID:
 MAD001403104

Direction Distance

Elevation Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

Site Name: OLIN CHEMICAL

 NPL:
 F

 FF:
 N

 OU:
 03

 Action Code:
 BD

 Action Name:
 PRP RI/FS

SEQ:

Start Date: 2020-03-12 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

SHWS:

Name: NO LOCATION AID Address: 51 EAMES ST

City, State, Zip: WILMINGTON, MA 018870000

Facility ID: 3-0011816 Source Type: **DRUMS** WILMINGTON Release Town: Notification Date: 11/03/1994 TWO HR Category: Associated ID: Not reported **Current Status: RAONR** 10/27/1995 Status Date: Phase: Not reported Response Action Outcome: Not reported Oil Or Haz Material: Hazardous Material

Name: OLIN CORPORATION FACILITY

Address: 51 EAMES ST

City, State, Zip: WILMINGTON, MA 018870000

Facility ID: 3-0000471 Source Type: **LAGOON** Release Town: WILMINGTON Notification Date: 01/15/1987 Category: NONE Associated ID: 3-0000471 **Current Status: ADQREG** 04/18/2006 Status Date: PHASE IV Phase: Response Action Outcome: Not reported

Oil Or Haz Material: Oi

Name: OLIN CORPORATION FACILITY

Address: 51 EAMES ST

City,State,Zip: WILMINGTON, MA 018870000

Facility ID: 3-0000471 Source Type: **UNCONTAIN** Release Town: WILMINGTON Notification Date: 01/15/1987 Category: NONE Associated ID: 3-0000471 **Current Status: ADQREG** 04/18/2006 Status Date: Phase: PHASE IV Response Action Outcome: Not reported

Direction Distance

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

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

Oil Or Haz Material: Oil

LF:

Name: **OLIN CORP** Address: 51 EAMES ST

City, State, Zip: WILMINGTON, MA 01887

Facility Phone: (781)933-4240 Annual Tons for 1995: Not reported Annual Tons for 1996: Not reported Annual Tons for 1997: Not reported Annual Tons for 1998: Not reported Not reported Annual Tons for 1999: Annual Tons for 2000: Not reported Annual Tons for 2001: Not reported Not reported Annual Tons for 2002: Annual Tons for 2003: Not reported Annual Tons for 2004: Not reported Annual Tons for 2005: Not reported Annual Tons for 2006: Not reported Annual Tons for 2007: Not reported Annual Tons for 2008: Not reported Annual Tons for 2009: Not reported Annual Tons for 2010: Not reported Annual Tons for 2011: Not reported Annual Tons for 2012: Not reported Annual Tons for 2013: Not reported Annual Tons for 2014: Not reported Not reported Annual Tons for 2015: Reg Obj Acct ID Num For Each Solid Waste Operation: 313063

Days of Operation: Not reported Note On The Physical Location Of The Site: Not reported Acres: Not reported Active Year: 1975

Classification Group: Land Disposal **CLF**

Current Or Most Recent Closed Classification:

Description Of The Last Classification: Closed Landfill with Env Monitoring Required

Close Year:

Name Of The Organization: **OLIN CHEMICAL**

Contacts Organization Type: Private

Contact Persons Name And Title: DAVID VAUGHN, REG.ENVIRO. MAN.

Contact Phone Including Extension: Not reported Contact Mailing Street Address: **PO BOX 248**

Contacts Mailing City, State, Zip: CHARLESTOWN, TN 37310

Inactive Year: 1988 Land Disposal Closure Status: Capped Land Disposal Only, Category Waste Disposed: **SLUDGE** Landfills Liner: Not Lined Municipality That The Operation Is Located In: WILMINGTON Alpha-Numeric Identification Code: SL0342.004 Numeric-Only Portion Of The Identification Code: 0342.004

Northeast (Wilmington) Region:

Org That Pays Any Annual Compliance Fee And/Or Permittee:OLIN CORPORATION

Responsible Party Organization Type: Private Responsible Party Mailing Street Address Line 1: 51 EAMES ST Responsible Party Mailing Street Address Line 2: Not reported

Responsible Party Mailing City, State, Zip: NORTH BILLERICA, MA 01862

Responsible Party Telephone Inc Extension: Not reported

Direction
Distance

Elevation Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued) 1000304514

Maximum Permitted Tons Per Day: Not reported Current Operational Status: Closed

LF PROFILES:

Site Type Code: SLUDGE

Site Type Desc: Residual from treatment of gasses or fluids, includes industrial & water treatment sludges

Status: Closed Owner Type: Private Stat Active Yr: 0:00 Stat Inactive Yr: 1988 11/13/1998 Stat Close Yr: Lined?: Not Lined Cap Status: Capped Cap Cert Date: Not reported Post Closure Permit: Not reported Not reported Post Closure Use: Not reported LF Gas Energy: Acres: 2.15 Acres Doc: UNK Acres Doc Desc: Unknown Electrical Provider: Municipal Dist To Trans Miles: 0.14 Wind Speed 30m: 4.7567 Wind Speed 50m: 5.3089 Wind Speed 100m: 6.2033

BROWNFIELDS 2:

Wind Speed 70m:

Mass DEP FMF DB Id:

Name: OLIN CORPORATION FACILITY

5.7048

315269

Address: 51 EAMES ST
City,State,Zip: WILMINGTON, MA
RTN: 3-0000471

RAO Class: Not reported Other RTNs: 3-0011816

Current Owner: Olin Chemicals and Alkali Inc

MCP Status: ADEQUATE REG

AUL: No

COCs: Waste Water Discharge

Former Use: Manufacture
Current Use: Manufacture
Total Acreage: 49.78
Fact Sheet: Not reported

Release:

Name: OLIN CORPORATION FACILITY

Address: 51 EAMES ST

City, State, Zip: WILMINGTON, MA 018870000

Release Tracking Number/Current Status: 3-0000471 / ADQREG

 Primary ID:
 3-0000471

 Official City:
 WILMINGTON

 Notification:
 01/15/1987

 Category:
 NONE

 Status Date:
 04/18/2006

 Phase:
 PHASE IV

Response Action Outcome: -

EDR ID Number

Direction Distance Elevation

ion Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

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: 1/10/2003 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

Action Date: 1/13/2006 Response Action Outcome: 1/13/2006 Not reported

Action Type: Release Disposition
Action Status: Valid Transition Site

Action Date: 1/15/1987
Response Action Outcome: Not reported

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

Action Date: 1/16/2002 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 1/16/2003 Response Action Outcome: Not reported

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

Action Date: 1/17/2006
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Status or Interim Report Received

Action Date: 1/20/2005
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Revised Statement or Transmittal Received

Action Date: 1/22/1999
Response Action Outcome: Not reported

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

Action Date: 1/22/2004
Response Action Outcome: Not reported

Action Type: Immediate Response Action

Action Status: Imminent Hazard Evaluation Received

Action Date: 1/22/2004
Response Action Outcome: Not reported

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

Direction Distance Elevation

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

OLIN CHEMICAL (Continued)

Action Date: 1/27/2000 Response Action Outcome: Not reported

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

Action Date: 1/31/2003 Response Action Outcome: Not reported

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

Action Date: 1/31/2003 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 1/5/2000
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRUN
Action Date: 1/7/1998
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Revised Statement or Transmittal Received

Action Date: 1/7/2004
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRUN
Action Date: 1/8/1998
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 1/9/1997 Response Action Outcome: Not reported

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

Action Date: 1/9/2001 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Revised Statement or Transmittal Received

Action Date: 10/1/1998
Response Action Outcome: Not reported

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

Action Date: 10/1/2003 Response Action Outcome: 10/1/2003 Not reported

Action Type: Immediate Response Action

Action Status: Imminent Hazard Evaluation Received

Action Date: 10/1/2003 Response Action Outcome: 10/1/2003 Not reported 1000304514

Direction Distance

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

OLIN CHEMICAL (Continued)

1000304514

Action Type: Phase 2

Revised Statement or Transmittal Received Action Status:

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

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 10/10/2001 Response Action Outcome: Not reported

RLFA Action Type: Action Status: **FLDRUN** Action Date: 10/11/1996 Response Action Outcome: Not reported

Phase 2 Action Type:

Action Status: Status or Interim Report Received

Action Date: 10/11/2005 Response Action Outcome: Not reported

Action Type: Tier Classification Action Status: Permit Effective Date

Action Date: 10/12/1999 Response Action Outcome: Not reported

Tier Classification Action Type:

Action Status: Revised Statement or Transmittal Received

Action Date: 10/12/1999 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 10/12/2001 Response Action Outcome: Not reported

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

Action Date: 10/12/2001 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 10/12/2001 Response Action Outcome: Not reported

Tier Classification Action Type:

Action Status: Permit Extension Received

Action Date: 10/12/2003 Response Action Outcome: Not reported

Tier Classification Action Type:

Action Status: Permit Extension Received

Action Date: 10/13/2003 Response Action Outcome: Not reported

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

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

OLIN CHEMICAL (Continued) 1000304514

Action Date: 10/13/2004
Response Action Outcome: Not reported

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

Action Date: 10/13/2004 Response Action Outcome: 10/13/2004 Not reported

Action Type: Compliance and Enforcement Action

Action Status: RFI
Action Date: 10/14/1994
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 10/15/2003 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action

Action Status: RFI

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

Action Type: Compliance and Enforcement Action

Action Status: RFI
Action Date: 10/18/2002
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 10/18/2002 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Status or Interim Report Received

Action Date: 10/18/2005 Response Action Outcome: Not reported

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 10/24/2005 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Status or Interim Report Received

Action Date: 10/25/2005 Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 10/27/1995 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 10/28/2002 Response Action Outcome: Not reported

MAP FINDINGS Map ID Direction

Distance

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

OLIN CHEMICAL (Continued)

1000304514

Action Type: Immediate Response Action

Modified Revised or Updated Plan Received Action Status:

Action Date: 10/28/2004 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 10/30/1998 Response Action Outcome: Not reported

Action Type: Release Abatement Measure Action Status: Written Approval of Plan

10/5/2001 Action Date: Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Notice of Delay in Meeting RA Deadline Received

Action Date: 10/7/2002 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 10/8/2003 Response Action Outcome: Not reported

Phase 2 Action Type:

Action Status: Revised Statement or Transmittal Received

Action Date: 11/12/1998 Response Action Outcome: Not reported

Compliance and Enforcement Action Action Type: Action Status: Interim Deadline Letter Issued

Action Date: 11/13/2003 Response Action Outcome: Not reported

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

Action Date: 11/15/2001 Response Action Outcome: Not reported

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 11/18/2002 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

11/18/2002 Action Date: Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 11/18/2002 Response Action Outcome: Not reported

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

Distance
Elevation Site Database(s)

OLIN CHEMICAL (Continued) 1000304514

Action Date: 11/19/2004
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Approval of Plan

Action Date: 11/2/2000
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 11/22/2002 Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Approval of Plan

Action Date: 11/23/2001 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 11/24/2003 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 11/29/1996
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

Action Date: 11/3/2004
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Status or Interim Report Received

Action Date: 11/3/2005 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 11/6/1997 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 11/7/2003
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Approval of Plan

Action Date: 11/9/2000
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRUN
Action Date: 12/1/1997
Response Action Outcome: Not reported

EDR ID Number

EPA ID Number

MAP FINDINGS Map ID Direction

Distance

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

OLIN CHEMICAL (Continued)

1000304514

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

Action Date: 12/1/2005 Response Action Outcome: Not reported

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

Action Date: 12/10/2002 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

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

Phase 2 Action Type:

Action Status: Scope of Work Received

Action Date: 12/15/2003 Response Action Outcome: Not reported

Action Type: Phase 2

Scope of Work Received Action Status:

Action Date: 12/17/2002 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 12/2/2002 Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 12/2/2002 Response Action Outcome: Not reported

Phase 2 Action Type:

Action Status: Revised Statement or Transmittal Received

Action Date: 12/21/1998 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 12/22/1998 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 12/22/2003 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

12/22/2004 Action Date: Response Action Outcome: Not reported

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

Distance Elevation Site

Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued) 1000304514

Action Date: 12/28/1998
Response Action Outcome: Not reported

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 12/28/1999
Response Action Outcome: Not reported

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

Action Date: 12/29/2004
Response Action Outcome: Not reported

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

Action Date: 12/29/2004
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 12/31/2002 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

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

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

Action Date: 12/6/2001 Response Action Outcome: Not reported

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

Action Date: 12/6/2001 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 12/7/2001
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 2/1/2005
Response Action Outcome: Not reported

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 2/10/2005 Response Action Outcome: Not reported

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

Action Date: 2/14/2002 Response Action Outcome: Not reported **EDR ID Number**

MAP FINDINGS Map ID Direction

Distance

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

OLIN CHEMICAL (Continued)

1000304514

Action Type: Phase 2

Status or Interim Report Received Action Status:

2/14/2006 Action Date: Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Revised Statement or Transmittal Received

Action Date: 2/17/1999 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Tier 1A or Priority Submittal Approved

2/19/1999 Action Date: Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

2/19/2002 Action Date: Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Revised Statement or Transmittal Received

Action Date: 2/20/2004 Response Action Outcome: Not reported

Phase 2 Action Type:

Action Status: Status or Interim Report Received

Action Date: 2/22/2005 Response Action Outcome: Not reported

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

Action Date: 2/23/2006 Response Action Outcome: Not reported

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

Action Date: 2/24/2005 Response Action Outcome: Not reported

Action Type: Immediate Response Action Action Status: Status or Interim Report Received Action Date: 2/26/2004

Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 2/27/2002 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

2/27/2003 Action Date: Response Action Outcome: Not reported

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

MAP FINDINGS Map ID Direction

Distance Elevation

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

OLIN CHEMICAL (Continued) 1000304514

Action Date: 2/27/2004 Not reported Response Action Outcome:

Action Type: Phase 2

Action Status: Revised Statement or Transmittal Received

Action Date: 2/3/1998 Response Action Outcome: Not reported

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

2/4/2002 Action Date: Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action

Delay in Meeting RA Deadline Ordered or Approved Action Status:

2/5/2004 Action Date: Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Interim Deadline Letter Issued Action Status:

Action Date: 2/5/2004 Response Action Outcome: Not reported

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

Action Date: 2/7/2002 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Tier 1A or Priority Submittal Approved

Action Date: 2/8/1999 Response Action Outcome: Not reported

Action Type: **TREGS** WAVREC Action Status: Action Date: 3/1/1989 Response Action Outcome: Not reported

Action Type: Phase 2

Scope of Work Received Action Status:

3/1/1999 Action Date: Response Action Outcome: Not reported

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 3/1/1999 Response Action Outcome: Not reported

Phase 2 Action Type:

Action Status: Revised Statement or Transmittal Received

3/1/1999 Action Date: Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 3/10/1994 Response Action Outcome: Not reported

Distance Elevation Site

Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

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: 3/10/1994
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 3/16/1998
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 3/16/1999
Response Action Outcome: Not reported

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

Action Date: 3/2/2006
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Status or Interim Report Received

Action Date: 3/2/2006
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 3/22/1996
Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 3/25/2004
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRUN
Action Date: 3/27/1996
Response Action Outcome: Not reported

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

Action Date: 3/28/2003 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 3/28/2003
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 3/3/2004
Response Action Outcome: Not reported

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

MAP FINDINGS Map ID Direction

Distance

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

OLIN CHEMICAL (Continued) 1000304514

Action Date: 3/3/2005 Response Action Outcome: Not reported

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

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

Action Date: Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 3/31/1994 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 3/31/2005 Response Action Outcome: Not reported

Action Type: Phase 2

Scope of Work Received Action Status:

Action Date: 3/4/1998 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Interim Deadline Letter Issued Action Status:

Action Date: 4/10/2001 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 4/11/2001 Response Action Outcome: Not reported

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

Action Date: 4/11/2002 Response Action Outcome: Not reported

Action Type: Phase 2

Scope of Work Received Action Status:

Action Date: 4/11/2003 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: 4/12/1994 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

4/12/1994 Action Date: Response Action Outcome: Not reported

Action Type: Phase 2

Scope of Work Received Action Status:

Action Date: 4/16/1996 Response Action Outcome: Not reported

Distance

Elevation Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/18/2006
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Adequately Regulated

Action Date: 4/18/2006
Response Action Outcome: 4/18/2006
Not reported

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

Action Date: 4/22/2003 Response Action Outcome: Not reported

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 4/23/2001 Response Action Outcome: 4/23/2001 Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 4/25/2005 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

Action Date: 4/26/2002 Response Action Outcome: 4/26/2002 Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 4/5/2002 Response Action Outcome: Not reported

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

Action Date: 4/6/2000 Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Completion Statement Received

Action Date: 5/10/2002
Response Action Outcome: Not reported

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

Action Date: 5/13/2004
Response Action Outcome: Not reported

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 5/14/2001 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

MAP FINDINGS Map ID Direction

Distance

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

OLIN CHEMICAL (Continued) 1000304514

Action Date: 5/15/2001 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

5/16/2005 Action Date: Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

5/17/2002 Action Date: Response Action Outcome: Not reported

Action Type: Phase 3

Action Status: Notice of Delay in Meeting RA Deadline Received

Action Date: 5/19/2003 Response Action Outcome: Not reported

Action Type: Release Abatement Measure

Modified Revised or Updated Plan Received Action Status:

Action Date: 5/2/2001 Response Action Outcome: Not reported

Action Type: Phase 2

Completion Statement Received Action Status:

5/2/2003 Action Date: Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 5/2/2005 Response Action Outcome: Not reported

Action Type: Phase 2

Status or Interim Report Received Action Status:

Action Date: 5/20/2004 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Interim Deadline Letter Issued Action Status:

Action Date: 5/24/1994 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 5/28/1999 Response Action Outcome: Not reported

Action Type: **RLFA** Action Status: **FLDRUN** Action Date: 5/3/1996 Response Action Outcome: Not reported

Action Type: Phase 2

Completion Statement Received Action Status:

Action Date: 5/31/2002 Response Action Outcome: Not reported

Distance Site

Elevation Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 5/6/2005
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 5/8/2001
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 5/8/2001
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 5/9/2002
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Status or Interim Report Received

Action Date: 5/9/2003
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

Action Date: 6/1/1998
Response Action Outcome: Not reported

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

Action Date: 6/1/2005
Response Action Outcome: Not reported

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 6/13/2001 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Status or Interim Report Received

Action Date: 6/15/2005 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

Action Date: 6/16/2004
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/16/2009
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Status or Interim Report Received

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

OLIN CHEMICAL (Continued) 1000304514

Action Date: 6/18/2004
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Notice of Delay in Meeting RA Deadline Received

Action Date: 6/21/2001 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

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

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

Action Date: 6/22/2004
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 6/23/1997 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Tier 1A or Priority Submittal Approved

Action Date: 6/23/1998
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Permit Extension Received

Action Date: 6/23/1999
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Tier 1A or Priority Submittal Approved

Action Date: 6/24/1999
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Approval of Plan

Action Date: 6/26/2000 Response Action Outcome: Not reported

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

Action Date: 6/26/2008
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 6/28/1996
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Status or Interim Report Received

Action Date: 6/28/2005 Response Action Outcome: Not reported

Elevation Site

Distance

Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

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

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

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

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

Action Date: 6/8/2001
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

Action Date: 6/8/2004
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Approval of Plan

Action Date: 7/12/1999
Response Action Outcome: Not reported

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

Action Date: 7/13/2001 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 7/15/2002

Action Date: 7/15/2002 Response Action Outcome: Not reported

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

Action Date: 7/17/2002 Response Action Outcome: Not reported

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 7/17/2002
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

Direction Distance Elevation

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

OLIN CHEMICAL (Continued)

1000304514

Action Date: 7/2/2002
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 7/2/2003
Response Action Outcome: Not reported

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

Action Date: 7/2/2004
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 7/20/2004
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 7/25/2005 Response Action Outcome: Not reported

Action Type: TREGS
Action Status: WAVSIG
Action Date: 7/26/1989
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 7/28/2005
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: WAVACC
Action Date: 7/31/1989
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Revised Statement or Transmittal Received

Action Date: 7/31/1998
Response Action Outcome: Not reported

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

Action Date: 7/31/2002 Response Action Outcome: Not reported

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

Action Date: 7/5/2005
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 7/9/2001
Response Action Outcome: Not reported

Distance Elevation Site

Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

Action Type: Phase 2

Action Status: Status or Interim Report Received

Action Date: 8/11/2005 Response Action Outcome: Not reported

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

Action Date: 8/13/2004
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Status or Interim Report Received

Action Date: 8/16/2005 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 8/17/2005 Response Action Outcome: Not reported

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

Action Date: 8/20/2004
Response Action Outcome: Not reported

Action Type: Release Abatement Measure

Action Status: Written Plan Received

Action Date: 8/20/2004
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 8/26/2002 Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 8/26/2003
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Status or Interim Report Received

Action Date: 8/26/2003
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 8/28/1996
Response Action Outcome: Not reported

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

Action Date: 8/29/2001 Response Action Outcome: Not reported

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

Distance Elevation

ation Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued) 1000304514

Action Date: 8/29/2001
Response Action Outcome: Not reported

Action Type: Release Abatement Measure

Action Status: Modified Revised or Updated Plan Received

Action Date: 8/29/2003 Response Action Outcome: Not reported

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

Action Date: 8/29/2003
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 8/30/1996
Response Action Outcome: Not reported

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

Action Date: 8/31/2005 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 8/5/2002
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 8/5/2003
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Status or Interim Report Received

Action Date: 8/5/2005
Response Action Outcome: Not reported

Action Type: Immediate Response Action

Action Status: Imminent Hazard Evaluation Received

Action Date: 8/6/2004
Response Action Outcome: Not reported

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

Action Date: 8/6/2004
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Approval of Plan

Action Date: 8/9/2000
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

Action Date: 9/11/2003 Response Action Outcome: 9/11/2003 Not reported **EDR ID Number**

Distance Elevation

ion Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

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

Action Date: 9/15/2003 Response Action Outcome: 9/15/2003 Not reported

Action Type: Phase 2

Action Status: Tier 1A or Priority Submittal Approved

Action Date: 9/16/1996 Response Action Outcome: 9/16/1996 Not reported

Action Type: Phase 2

Action Status: Scope of Work Received

Action Date: 9/18/1997
Response Action Outcome: 9/18/1997
Not reported

Action Type: PIP

Action Status: Public Involvement Petition Received

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

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 9/19/2002 Response Action Outcome: 9/19/2002 Not reported

Action Type: TREGS
Action Status: BWSC04
Action Date: 9/20/1994
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1A Classification

Action Date: 9/20/1994
Response Action Outcome: 9/20/1994
Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 9/20/1994
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 9/20/1994
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Tier 1A or Priority Submittal Approved

Action Date: 9/23/1996
Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Completion Statement Received

Action Date: 9/24/2002 Response Action Outcome: 9/24/2002 Not reported

Action Type: Release Abatement Measure
Action Status: Written Approval of Plan

Direction Distance Elevation

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

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

Action Date: 9/28/2000 Not reported Response Action Outcome:

Action Type:

Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Action Date: 9/5/2002 Response Action Outcome: Not reported

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

9/7/2004 Action Date: Response Action Outcome: Not reported

Action Type: Phase 2

Action Status: Status or Interim Report Received

Action Date: 9/7/2005 Response Action Outcome: Not reported

Action Type: Release Abatement Measure Written Approval of Plan Action Status:

Action Date: 9/8/1999 Response Action Outcome: Not reported

Action Type: Phase 2

Scope of Work Received Action Status:

Action Date: 9/9/2004 Response Action Outcome: Not reported

Action Type: **BWS20 APPROV** Action Status: Action Date: Not reported Response Action Outcome: Not reported

Chemicals:

Chemical: UNKNOWN Quantity: Not reported

Chemical: WASTEWATER DISCHARGE

Quantity: Not reported Location Type: **MANUFACT** Location Type: WASTE TRMT LAGOON Source: Source: **UNCONTAIN**

NO LOCATION AID Name: Address: 51 EAMES ST

WILMINGTON, MA 018870000 City,State,Zip:

Release Tracking Number/Current Status: 3-0011816 / RAONR

Primary ID: Not reported Official City: WILMINGTON 11/03/1994 Notification: Category: TWO HR Status Date: 10/27/1995 Phase: Not reported

Response Action Outcome:

Oil / Haz Material Type: Hazardous Material

Direction Distance Elevation

vation Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

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: 1/17/1995
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Revised Statement or Transmittal Received

Action Date: 10/12/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date

Action Date: 10/12/1999
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Permit Extension Received

Action Date: 10/12/2003 Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Permit Extension Received

Action Date: 10/13/2003 Response Action Outcome: Not reported

Action Type: RAO Not Required

Action Status: Linked to a Tier Classified Site

Action Date: 10/27/1995
Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: RTN Linked to TCLASS Via Tier Classification Submittal

Action Date: 10/27/1995 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: 11/17/1994
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: IRA Assessment Only

Action Date: 11/3/1994
Response Action Outcome: Not reported

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 11/3/1994
Response Action Outcome: Not reported

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

Action Date: 12/15/1995 Response Action Outcome: Not reported

Direction Distance

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

OLIN CHEMICAL (Continued) 1000304514

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

Action Date: 12/29/1994 Response Action Outcome: Not reported

RNF Action Type:

Action Status: Reportable Release under MGL 21E

Action Date: 12/29/1994 Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

12/7/1994 Action Date: 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: 12/7/1994 Response Action Outcome: Not reported

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

Action Date: 5/1/1995 Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Permit Extension Received

Action Date: 6/23/1999 Response Action Outcome: Not reported

Tier Classification Action Type: Action Status: Permit Effective Date

Action Date: 9/20/1994 Response Action Outcome: Not reported

Tier Classification Action Type: Action Status: Tier 1A Classification

Action Date: 9/20/1994 Response Action Outcome: Not reported

Action Type: Tier Classification

Action Status: Transmittal, Notice, or Notification Received

Action Date: 9/20/1994 Response Action Outcome: Not reported

Chemicals:

UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL Chemical:

Not reported Quantity: INDUSTRIAL Location Type: Source: **DRUMS**

MA Spills:

Facility ID: 3-0471 Spill ID: N91-0595 Staff Lead: FONKEM, V Date Entered: 19911001 Last Entered: 19930825 First Response: 19910502 Spill Date: 19910502 Spill Time: Not reported

Direction Distance

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

OLIN CHEMICAL (Continued)

1000304514

03:30PM PETROLEUM

Not reported

Not reported

Not reported

2

Report Date: 19910502 Report Time: Mat Type: Case Closed: YES Virgin Waste: Contam Soil: **VIRGIN** Env Impact: Other Impact: Material: #2 FUEL OIL Other Material: Qty Actual: Qty Reported: **UNKNOWN** Qty Reported: Qty Actual: PCB Lev (ppm): CAS No: Not reported U.S.T. Other Source: Source:

Not reported TANK REMOVAL Incident: Other Incdnt: Not reported NOT USED Cleanup Type: Contractor:

Referral: LUST Elig: SA Report Prep: Not reported Category:

Notifier: C NELSON/OLIN CHEMICAL CORP

Notif Tel: Not reported Days/Close:

ROD:

No Details: No Details

PRP:

4TH WATCH LLC PRP Name:

> AMERICAN BILTRITE INC. AMERICAN BILTRITE INC. AMERICAN BILTRITE INC. AMERICAN BILTRITE INC.

BILTRITE CORP BILTRITE CORP BILTRITE CORP FISONS LIMITED FISONS LIMITED NOR-AM AGRO LLC NOR-AM AGRO LLC **OLIN CORPORATION OLIN CORPORATION OLIN CORPORATION OLIN CORPORATION** STEPAN CHEMICAL CORP. STEPAN CHEMICAL CORP. STEPAN CHEMICAL CORP. STEPAN CHEMICAL CORP.

Click this hyperlink while viewing on your computer to access additional PRP: detail in the EDR Site Report.

ICIS:

Enforcement Action ID: 01-N00000283 FRS ID: 110000759796

OLIN CORPORATION (Permit MA0005304) Qncr Comment Action Name:

Facility Name: **OLIN CORPORATION**

Facility Address: 51 EAMES ST

WILMINGTON, MA 01887

Enforcement Action Type: **Under Review MIDDLESEX** Facility County: Program System Acronym: **NPDES**

Enforcement Action Forum Desc: Administrative - Informal

EA Type Code: **UNDREV** Facility SIC Code: 2869

Direction Distance

Elevation Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

Federal Facility ID:
Latitude in Decimal Degrees:
Longitude in Decimal Degrees:
-71.153611

Permit Type Desc: NPDES Individual Permit

Program System Acronym: MA0005304
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 01-N00000248 FRS ID: 110000759796

Action Name: OLIN CORPORATION (Permit MA0005304) Qncr Comment

Facility Name: OLIN CORPORATION

Facility Address: 51 EAMES ST

WILMINGTON, MA 01887

Enforcement Action Type: Under Review Facility County: MIDDLESEX Program System Acronym: NPDES

Enforcement Action Forum Desc: Administrative - Informal

EA Type Code:

Facility SIC Code:

Federal Facility ID:

Latitude in Decimal Degrees:

Longitude in Decimal Degrees:

VNDREV

2869

Not reported

42.528611

-71.153611

Permit Type Desc: NPDES Individual Permit

Program System Acronym: MA0005304
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 01-2015-0006 FRS ID: 110000759796

Action Name: OLIN CHEMICAL SUPERFUND SITE

Facility Name: OLIN CHEMICAL SITE

Facility Address: 51 EAMES ST

WILMINGTON, MA 01887 CERCLA 107L Filing Of Lien

Facility County: MIDDLESEX Program System Acronym: CERCLIS

Enforcement Action Type:

Enforcement Action Forum Desc: Administrative - Formal

EA Type Code: 107L Facility SIC Code: Not reported Federal Facility ID: Not reported Latitude in Decimal Degrees: 42.528056 Longitude in Decimal Degrees: -71.153889 Permit Type Desc: Not reported Program System Acronym: MAD001403104 Facility NAICS Code: Not reported Tribal Land Code: Not reported

 Enforcement Action ID:
 01-2007-0003

 FRS ID:
 110000759796

 Action Name:
 OLIN CORP

Facility Name: OLIN CHEMICAL SITE

Facility Address: 51 EAMES ST

WILMINGTON, MA 01887

Enforcement Action Type: CERCLA 122A/104A Agrmt For RI/FS

Facility County: MIDDLESEX
Program System Acronym: CERCLIS

Direction Distance

Elevation Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

Enforcement Action Forum Desc: Administrative - Formal

EA Type Code: 122/104 Facility SIC Code: Not reported Federal Facility ID: Not reported 42.528056 Latitude in Decimal Degrees: Longitude in Decimal Degrees: -71.153889 Not reported Permit Type Desc: MAD001403104 Program System Acronym: Facility NAICS Code: Not reported Tribal Land Code: Not reported

 Enforcement Action ID:
 01-2004-9038

 FRS ID:
 110000759796

 Action Name:
 OLIN CORPORATION

 Facility Name:
 OLIN CORPORATION

Facility Address: 51 EAMES ST

WILMINGTON, MA 01887

Enforcement Action Type: CWA 309G2A AO For Class I Penalties

Facility County: MIDDLESEX Program System Acronym: NPDES

Enforcement Action Forum Desc: Administrative - Formal

EA Type Code: 309G2A
Facility SIC Code: 2869
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.528611
Longitude in Decimal Degrees: -71.153611

Permit Type Desc: NPDES Individual Permit

Program System Acronym: MA0005304
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

Direction Distance

Elevation Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

NAIC Code: Not reported SIC Code: Not reported

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: Not reported

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 2869

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 2869

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported

SIC Code: 2869

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported

Distance

Elevation Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

SIC Code: 2869

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N
Fed Facility: No

NAIC Code: Not reported SIC Code: 2869

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported

SIC Code: 2869

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported

SIC Code: 2869

Facility Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported

SIC Code: 2869

FINDS:

Registry ID: 110000759796

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

AIR EMISSIONS CLASSIFICATION UNKNOWN

SUPERFUND NPL

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.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

HAZARDOUS WASTE BIENNIAL REPORTER

MA-EPICS - Massachussetts Environmental Protection Integrated Computer System

Direction
Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000304514 Registry ID: 110000759796

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110000759796

Name: OLIN CHEMICAL SITE

Address: 51 EAMES ST

City, State, Zip: WILMINGTON, MA 01887

PFAS NPL:

EPA Region: 01

Name: OLIN CHEMICAL Address: 51 EAMES ST

City, State, Zip: WILMINGTON, MA 01887

EPAID: MAD001403104

Superfund Link: https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0100438&mss

pp=med

Data Systems: SEMS

Last Updated: 2020-06-08 00:00:00

Programs: Superfund
Location Type: Private
NPL Site: Y
NPL Status: Final
Media Detected: GW
Health Advisory: N
DW Response: -

Latitude: 42.528056 Longitude: -71.153889

EJSCREEN Report: https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%

7B%22x%22:-71.153889,%22y%22:42.528056,%22spatialReference%22:%7B%22wk id%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=

1

100208395

ANF-001

ASBESTOS:

Sticker Number:

Form Type:

OLIN CORPORATION Name: 51 EAMES STREET Address: WILMINGTON, MA City,State,Zip: Notification: Not reported DEP Region: Not reported Notifiers Name: Not reported 10/14/2014 Start Date: End Date: 10/24/2014 Date Entered: Not reported Entry Date: 09/26/2014 Quantity Materical Removed SF: 2400.00 Quantity Material Removed LF: .00 Project Description: Trwl AR Tracking ID: 198986 Super Lic Number: AS032488 Not reported Monitor Lic Number: Lab Lic Number: AA000145 Year: 2014

TC7295798.2s Page 51

Direction Distance

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

OLIN CHEMICAL (Continued)

1000304514

HUNDRED Fee Status: Facility Phone: 9786586121 Sub Town: Not reported Worksite: EXTERIOR TANK

Occupied: -1

AC000392 Contractor: WRITTEN Contract Type: 7AM-3PM Hours: Project Type: Renv Abatement Process: Fcontain Location: **OUTDOORS**

3 STAGE DECON WITH SHOWER STATION. Decon Process:

Disposal Methods: DOUBLE BAGGED AND/OR FIBER DRUM; CONSOLIDATED AT PREMISES, FINAL

DISPOSAL.

MANUFACTURING Facility Usage: Not reported Waiver Given: **DEP Waiver Number:** Not reported **DLWD Waiver Number:** Not reported

Small Owner Occ:

OLIN CORPORATION Owner Name:

3855 NORTH OCOEE STREET Owner Address:

CLEVELAND Owner City:

Owner State: MA

On Site Manager Name: **BRIAN GUICHARD** On Site Manager Phone: 9786586121 Ins Comp: **CHARTIS** Policy Number: WC06771270 EXP Date: 7/1/2015

Facility Size:

Transporter Name: NORTHEAST REMEDIATION Transporter Address: 25 STOREY AVENUE # 256

Transporter City: **NEWBURYPORT**

Transporter State:

Final Site: Not reported Certified Name: WENDY CARIAS Cert Sign Date: 09/26/2014 Certified Company: NER 6173899188 Certified Phone: **NORTHEAST** Entered_by:

Financial Assurance 3:

Name: **OLIN CORP** 51 EAMES ST Address: City, State, Zip: WILMINGTON, MA

Facility ID: 131605 Region: 3 Region Area: NE Facility Name: **OLIN CORP** FAM Infomation: Not reported FAM Information Note: Not reported

Class Type: CLF

Class Description: Closed Landfill with Env Monitoring Required

ACF Amount: 1400 Exempt: N RO #: 313063

Direction Distance

Elevation Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

HW GEN:

Name: OLIN CHEMICAL SUPERFUND SITE

Address: 51 EAMES ST

City, State, Zip: WILMINGTON, MA 01887

EPA Id: MAD001403104

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

Manifest Details:

Year: 2008

002762846JJK Manifest Number: TSD Copy Manifest Type: Generator EPA Id: MAD001403104 Generator Date: 01/08/2008 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: 508-658-6121 PAD000736942 TSD EPA Id: TSD Date: Not reported

TSD Facility Name: CALGON CARBON CORP
TSD Facility Address: 200 NEVILLE ROAD
TSD Facility City: NEVILLE ISLAND

TSD Facility State: PA
Facility Telephone: Not i

Facility Telephone: Not reported Page Number: 1
Line Number: 1

Waste Number: U028 Container Number: 1

Container Type: Portable tanks Waste Quantity: 4000

Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008

002762849JJK Manifest Number: Manifest Type: TSD Copy MAD001403104 Generator EPA Id: Generator Date: 11/12/2008 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: 508-658-6121 TSD EPA Id: PAD000736942 TSD Date: Not reported

TSD Facility Name: CALGON CARBON CORP
TSD Facility Address: 200 NEVILLE ROAD
TSD Facility City: NEVILLE ISLAND

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: U028
Container Number: 1

Direction Distance Elevation

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

OLIN CHEMICAL (Continued)

1000304514

Container Type: Portable tanks
Waste Quantity: 4000
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2006 Manifest Number: PAG454455 Manifest Type: TSD Copy MAD001403104 Generator EPA Id: Generator Date: 04/25/2006 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Not reported Contact Phone: TSD EPA Id: PAD000736942 TSD Date: Not reported

TSD Facility Name: CALGON CARBON CORP
TSD Facility Address: 200 NEVILLE ROAD
TSD Facility City: NEVILLE ISLAND

TSD Facility State: PA

Facility Telephone: 508-658-6121

Page Number: 1
Line Number: 1
Waste Number: U028
Container Number: 1

Container Type: Portable tanks
Waste Quantity: 4000
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

2006 Year: Manifest Number: PAG454445 Manifest Type: TSD Copy MAD001403104 Generator EPA Id: Generator Date: 06/21/2006 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported PAD000736942 TSD EPA Id: TSD Date: Not reported

TSD Facility Name: CALGON CARBON CORP
TSD Facility Address: 200 NEVILLE ROAD
TSD Facility City: NEVILLE ISLAND

TSD Facility State: PA

Facility Telephone: 508-658-6121

Page Number: 1
Line Number: 1
Waste Number: U028
Container Number: 1

Container Type: Portable tanks
Waste Quantity: 4000
Unit: Pounds

Direction Distance Elevation

n Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

Handling Code: Not reported TSP EPA Id: Not reported Date TSP Sig: Not reported

Year: 2006 PAG454444 Manifest Number: Manifest Type: TSD Copy Generator EPA Id: MAD001403104 Generator Date: 01/31/2006 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD EPA Id: PAD000736942 TSD Date: Not reported

TSD Facility Name: CALGON CARBON CORP
TSD Facility Address: 200 NEVILLE ROAD
TSD Facility City: NEVILLE ISLAND

TSD Facility State: PA

Facility Telephone: 508-658-6121

Page Number: 1
Line Number: 1
Waste Number: U028
Container Number: 1

Container Type: Portable tanks
Waste Quantity: 4000
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2006 Manifest Number: PAG454448 Manifest Type: **TSD Copy** MAD001403104 Generator EPA Id: Generator Date: 08/22/2006 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD EPA Id: PAD000736942 TSD Date: Not reported

TSD Facility Name: CALGON CARBON CORP
TSD Facility Address: 200 NEVILLE ROAD
TSD Facility City: NEVILLE ISLAND

TSD Facility State: PA

Facility Telephone: 508-658-6121

Page Number: 1
Line Number: 1
Waste Number: U028
Container Number: 1

Container Type: Portable tanks
Waste Quantity: 4000
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

OLIN CHEMICAL (Continued)

1000304514

EDR ID Number

Year: 2005

Manifest Number: PAG454457

Manifest Type: TSD Copy

Generator EPA Id: MAD001403104

Generator Date: 03/11/2005

Mailing Address: 51 EAMES ST

Mailing City,St,Zip: WILMINGTON, MA 01887
Contact Name: DONALD W CAMERON

Contact Phone: 508-658-6121
TSD EPA Id: PAD000736942
TSD Date: 03/15/2005

TSD Facility Name: CALGON CARBON CORP

TSD Facility Address: 200 NEVILLE RD TSD Facility City: NEVILLE ISLAND

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: U028
Container Number: 1

Container Type: Portable tanks
Waste Quantity: 4000
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: NYD980769947
Date TSP Sig: 03/11/2005

Year: 2005

Manifest Number: PAG454458

Manifest Type: TSD Copy

Generator EPA Id: MAD001403104

Generator Date: 01/10/2005

Mailing Address: 51 EAMES ST

Mailing City,St,Zip: WILMINGTON, MA 01887
Contact Name: DONALD W CAMERON

Contact Phone: 508-658-6121
TSD EPA Id: PAD000736942
TSD Date: 01/12/2005

TSD Facility Name: CALGON CARBON CORP

TSD Facility Address: 200 NEVILLE RD TSD Facility City: NEVILLE ISLAND

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: U028
Container Number: 1

Container Type: Portable tanks
Waste Quantity: 4000
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: NYD980769947
Date TSP Sig: 01/10/2005

Direction
Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EDR ID Number

EPA ID Number

5 NO LOCATION AID MA SHWS \$105200029 SW 25 ROCKY HILL RD MA RELEASE N/A

1/4-1/2 BURLINGTON, MA 01803

0.397 mi. 2098 ft.

 Relative:
 SHWS:

 Lower
 Name:
 NO LOCATION AID

 Actual:
 Address:
 25 ROCKY HILL RD

Actual:Address:25 ROCKY HILL RD135 ft.City,State,Zip:BURLINGTON, MA 018030000

Facility ID: 3-0021081 Source Type: **CONTAINERS** Release Town: BURLINGTON 09/13/2001 Notification Date: Category: TWO HR Associated ID: Not reported **Current Status:** RAO Status Date: 01/11/2002 Phase: Not reported

Response Action Outcome: A1

Oil Or Haz Material: Hazardous Material

Release:

Name: NO LOCATION AID Address: 25 ROCKY HILL RD

City,State,Zip: BURLINGTON, MA 018030000

Release Tracking Number/Current Status: 3-0021081 / RAO
Primary ID: Not reported

Official City: BURLINGTON
Notification: 09/13/2001
Category: TWO HR
Status Date: 01/11/2002
Phase: Not reported

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

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

Oil / Haz Material Type: Hazardous Material

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 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: 1/11/2002

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

to background or a threat of release has been eliminated.

Action Type: RNF

Action Status: Reportable Release under MGL 21E

Action Date: 1/11/2002

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

to background or a threat of release has been eliminated.

MAP FINDINGS Map ID Direction

Distance

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

NO LOCATION AID (Continued)

S105200029

Action Type: Immediate Response Action

Imminent Hazard Evaluation Received Action Status:

Action Date: 1/11/2002

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

to background or a threat of release has been eliminated.

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

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

Action Date: 11/13/2001

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: 11/13/2001

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

Reportable Release under MGL 21E Action Status:

Action Date: 11/6/2001

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 IRA Conducted Prior to Notification Action Status:

Action Date: 9/13/2001

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

to background or a threat of release has been eliminated.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 9/13/2001

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

to background or a threat of release has been eliminated.

Action Type: **RLFA** Action Status: **FOLOFF** Action Date: 9/14/2001

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: SODIUM HYPOCHLORITE

Quantity: 50 pounds

CALCIUM HYPOCHLORITE Chemical:

Quantity: 9 pounds COMMERCIAL Location Type: Location Type: MUNICIPAL Source: **CONTAINERS**

Direction Distance

Elevation Site Database(s) EPA ID Number

RESIDENCE MA SHWS S113805117

WNW 120 WILMINGTON ROAD MA LUST N/A
1/2-1 BURLINGTON, MA 01803 MA RELEASE

 1/2-1
 BURLINGTON, MA 01803
 MA RELEASE

 0.619 mi.
 MA ASBESTOS

 3270 ft.
 MA ENF

Relative: SHWS:
Lower Name: RESIDENCE

Actual:Address:120 WILMINGTON ROAD114 ft.City,State,Zip:BURLINGTON, MA 018030000

Facility ID: 3-0031611 Source Type: **TANK** Release Town: **BURLINGTON** Notification Date: 06/27/2013 Category: 72 HR Associated ID: Not reported **Current Status:** RAO Status Date: 09/17/2013 Phase: Not reported

Response Action Outcome: B1
Oil Or Haz Material: Oil

LUST:

Facility:

Name: RESIDENCE

Address: 120 WILMINGTON ROAD
City,State,Zip: BURLINGTON, MA 018030000
Current Status: Response Action Outcome

Release Tracking Number/Current Status: 3-0031611 / RAO

Status Date: 09/17/2013 Source Type: UST

Release Town:

Notification Date:

Category:

Associated ID:

Phase:

BURLINGTON

06/27/2013

72 HR

Not reported

Not reported

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

Significant Risk exists.

Oil Or Haz Material: Oil

Location Type: RESIDNTIAL Source: TANK Source: UST

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

Chemicals:

Chemical: GASOLINE

Quantity: 1207 parts per million

Actions:

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 6/27/2013

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

Significant Risk exists.

Direction Distance

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

RESIDENCE (Continued) S113805117

Action Type: Immediate Response Action IRA Assessment Only Action Status:

6/27/2013 Action Date:

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

Significant Risk exists.

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

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

Action Date: 7/11/2013

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: Interim Deadline Letter Issued

7/11/2013 Action Date:

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

Significant Risk exists.

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

Action Date: 9/17/2013

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

Significant Risk exists.

RNF Action Type:

Action Status: Reportable Release under MGL 21E

Action Date: 9/4/2013

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

Significant Risk exists.

Action Type: **RNFE**

Action Status: Transmittal, Notice, or Notification Received

Action Date:

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

Significant Risk exists.

Release:

RESIDENCE Name:

120 WILMINGTON ROAD Address: BURLINGTON, MA 018030000 City,State,Zip:

Release Tracking Number/Current Status: 3-0031611 / RAO Primary ID: Not reported BURLINGTON Official City: Notification: 06/27/2013 Category: 72 HR Status Date: 09/17/2013 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: Release Disposition

MAP FINDINGS Map ID Direction

Distance

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

RESIDENCE (Continued) S113805117

Action Status: Reportable Release under MGL 21E

6/27/2013 Action Date:

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

Significant Risk exists.

Action Type: Immediate Response Action Action Status: IRA Assessment Only

6/27/2013 Action Date:

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

Significant Risk exists.

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

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

Action Date: 7/11/2013

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: Interim Deadline Letter Issued

7/11/2013 Action Date:

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

Significant Risk exists.

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

Action Date: 9/17/2013

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: 9/4/2013

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

Significant Risk exists.

RNFE Action Type:

Action Status: Transmittal, Notice, or Notification Received

Action Date: 9/4/2013

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

Significant Risk exists.

Chemicals:

Chemical: **GASOLINE**

Quantity: 1207 parts per million

RESIDNTIAL Location Type: Source: **TANK** Source: UST

ASBESTOS:

VACANT RESIDENCE Name: Address: 120 WILMINGTON ROAD BURLINGTON, MA City, State, Zip:

Notification: Not reported DEP Region: Not reported Notifiers Name: Not reported Start Date: 06/05/2012

Direction Distance

Elevation Site Database(s) EPA ID Number

RESIDENCE (Continued) S113805117

End Date: 06/05/2012 Not reported Date Entered: Entry Date: 05/17/2012 Quantity Materical Removed SF: 800.00 Quantity Material Removed LF: .00 Project Description: Insl,Trns AR Tracking ID: 157743 AS030091 Super Lic Number: Monitor Lic Number: AM061044 Lab Lic Number: AA000144 2012 Year: Sticker Number: 100148579 ANF-001 Form Type: Fee Status: Fifty Facility Phone: 9787499844 Sub Town: Not reported RESIDENCE Worksite:

Occupied: 0

Contractor: AC000197 Contract Type: WRITTEN

Hours: Week days: 7AM-3:30PM Week end:

Project Type: Renv
Abatement Process: Fcontain
Location: Indoors

Decon Process: 3 CHAMBER DECON

Disposal Methods: ALL METHODS WILL COMPLY

Facility Usage: RESIDENCE
Waiver Given: Not reported
DEP Waiver Number: Not reported
DLWD Waiver Number: Not reported

Small Owner Occ: 5

Owner Name: KEVIN O'BRIEN

Owner Address: 18 CASSIMERE STREET

Owner City: ANDOVER, MA

Owner State: MA

On Site Manager Name:
On Site Manager Phone:
Ins Comp:
Policy Number:
EXP Date:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

Transporter Name: A-BEST ABATEMENT INC Transporter Address: 24 KEEWAYDIN DRIVE

Transporter City: SALEM, NH
Transporter State: Not reported
Final Site: 39

Certified Name: SAM HOMSEY
Cert Sign Date: 05/17/2012

Certified Company: A-BEST ABATEMENT

Certified Phone: 6038934696 Entered_by: Not reported

Name: JACKIE AMPOLOS
Address: 120 WILMINGTON ROAD
City,State,Zip: BURLINGTON, MA

Notification: Not reported
DEP Region: Not reported

Direction Distance

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

RESIDENCE (Continued) S113805117

Notifiers Name: Not reported 03/26/2013 Start Date: End Date: 03/26/2013 Date Entered: Not reported Entry Date: 03/20/2013 Quantity Materical Removed SF: 400.00 Quantity Material Removed LF: .00 Project Description: Trns AR Tracking ID: 170737 Super Lic Number: AS032802 AM060297 Monitor Lic Number: AA000131 Lab Lic Number: Year: 2013 Sticker Number: 100174170 Form Type: ANF-001 Fee Status: Exempt Facility Phone: Not reported Sub Town: Not reported

2 BEDROOMS ON FIRST FLOOR Worksite:

Occupied: -1

Contractor: AC000112 Contract Type: WRITTEN

Week days: 8AM-5PM Week end: Hours:

Project Type: Renv Abatement Process: Fcontain Location: Indoors

Decon Process: CONTAINMENT BARRIER WITH CLEAN ROOM USING NEGATIVE AIR SYSTEM AND HEPA

Disposal Methods: WET ASBESTOS PROPERLY SEALED IN SIX MIL POLY BAGS PLACARDED FOR

ASBESTOS

RESIDENTIAL DWELLING Facility Usage:

Waiver Given: Not reported **DEP Waiver Number:** 1303926 **DLWD Waiver Number:** 5992-2013 Small Owner Occ: SAME Owner Name: Owner Address: Not reported Owner City: Not reported

Owner State: MA

On Site Manager Name: Not reported On Site Manager Phone: Not reported Not reported Ins Comp: Policy Number: Not reported EXP Date: Not reported Facility Size: Not reported Transporter Name: Not reported Transporter Address: Not reported Transporter City: Not reported Transporter State: Not reported Final Site: 18

Certified Name: SAM NIGRO 03/20/2013 Cert Sign Date:

Certified Company: DUDLEY SERVICES INC.

Certified Phone: Not reported Entered_by: Not reported

Name: VACANT RESIDENCE Address: 120 WILMINGTON ROAD

Direction Distance

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

RESIDENCE (Continued) S113805117

City, State, Zip: BURLINGTON, MA Notification: Not reported DEP Region: Not reported Notifiers Name: Not reported Start Date: 03/19/2012 End Date: 03/27/2012 Date Entered: Not reported 03/02/2012 Entry Date: Quantity Materical Removed SF: 800.00 Quantity Material Removed LF: .00 Project Description: Insl,Trns AR Tracking ID: 154574 Super Lic Number: AS030091 Monitor Lic Number: AM061044 Lab Lic Number: AA000144 Year: 2012 Sticker Number: 100143666 ANF-001 Form Type: Fee Status: Fifty

Facility Phone: 9787499844 Sub Town: Not reported RESIDENCE Worksite: Occupied: Contractor: AC000197

WRITTEN Contract Type:

Hours: Week days: 7AM-3:30PM Week end:

Project Type: Renv Abatement Process: Fcontain Location: Indoors

3 CHAMBER DECON Decon Process:

Disposal Methods: ALL METHODS WILL COMPLY

Facility Usage: RESIDENCE Waiver Given: Not reported **DEP Waiver Number:** Not reported **DLWD Waiver Number:** Not reported

Small Owner Occ:

Owner Name: VACANT RESIDENCE Owner Address: 120 WILMINGTON ROAD BURLINGTON, MA Owner City:

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: A-BEST ABATEMENT INC Transporter Address: 24 KEEWAYDIN DRIVE

Transporter City: SALEM, NH Transporter State: Not reported

Final Site: 39 Certified Name: SAM HOMSEY Cert Sign Date: 03/02/2012

A-BEST ABATEMENT Certified Company:

Certified Phone: 6038934696 Entered_by: Not reported

Direction Distance

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

RESIDENCE (Continued) S113805117

ENFORCEMENT:

AMPOLOS, JACKIE Name: Address: 120 WILMINGTON ROAD City,State,Zip: BURLINGTON, MA 018030000

Region: **NERO** DEP Region: **NERO** DEP Program: Зс DEP Bureau: **BWSC** Program: **BWSC** Program Id: 3-0031611 High Or Low Level Enforcement: LLE FMF #:

Town Where Violation Occurred: BURLINGTON Date Executed: 07/11/2013 ENF #: Faux Enf- 2251

Document Type: IDL

AG Ref (Y/N): Not reported Doc Archived (Y/N): Not reported

EJ Community (Y/N): YES 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 Individually Owned Ownership:

7 **NO LOCATION AID** MA SHWS ENE 96 CHESTNUT ST **MA RELEASE** WILMINGTON, MA 01887

1/2-1 0.740 mi. 3907 ft.

Relative: SHWS: Lower NO LOCATION AID Name: Address: 96 CHESTNUT ST Actual:

111 ft. City, State, Zip: **WILMINGTON, MA 018870000** Facility ID: 3-0019045

> Source Type: PIPE WILMINGTON Release Town: Notification Date: 12/07/1999 Category: TWO HR Associated ID: Not reported Current Status: RAO 11/15/2000 Status Date: Phase: Not reported

Response Action Outcome: A2 Oil Or Haz Material: Oil

Release:

NO LOCATION AID Name: Address: 96 CHESTNUT ST

City,State,Zip: **WILMINGTON, MA 018870000** S104482426

N/A

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

NO LOCATION AID (Continued)

S104482426

EDR ID Number

Release Tracking Number/Current Status: 3-0019045 / RAO
Primary ID: Not reported
Official City: WILMINGTON
Notification: 12/07/1999
Category: TWO HR
Status Date: 11/15/2000
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: A Notice sent to a Potentially Responsible Party (PRP)

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

Action Date: 1/14/2000

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: 11/15/2000

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: 11/16/2000

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

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/10/1999

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: 12/13/1999

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

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/7/1999

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: 12/7/1999

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

reduced to background.

Action Type: Immediate Response Action

Direction Distance

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

NO LOCATION AID (Continued) S104482426

Action Status: Oral Approval of Plan or Action

12/7/1999 Action Date:

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

reduced to background.

RLFA Action Type: Action Status: FLDD1A Action Date: 12/7/1999

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: 12/7/1999

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

reduced to background.

RNF Action Type:

Action Status: Reportable Release under MGL 21E

Action Date: 2/25/2000

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: 2/25/2000

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

reduced to background.

Chemicals:

Chemical: FUEL OIL #2 Quantity: Not reported Chemical: FUEL OIL #2 11 gallons Quantity: RESIDNTIAL Location Type: PIPE Source:

SCHILL RESIDENCE MA SHWS S116358018 wsw **15 CUTTING LANE MA RELEASE** N/A

1/2-1 **BURLINGTON, MA 01803**

0.796 mi. 4204 ft.

SHWS: Relative:

Lower Name: SCHILL RESIDENCE Address: 15 CUTTING LANE Actual:

162 ft. City,State,Zip: BURLINGTON, MA 018030000

Facility ID: 3-0031971 UNKNOWN Source Type: Release Town: BURLINGTON Notification Date: 01/31/2014 120 DY Category: Associated ID: Not reported **Current Status:** RAO Status Date: 03/28/2014 Phase: Not reported

Response Action Outcome: B1

Direction Distance

Elevation Site Database(s) EPA ID Number

SCHILL RESIDENCE (Continued)

Oil / Haz Material Type:

S116358018

EDR ID Number

Oil Or Haz Material: Oil and Hazardous Material

Release:

Name: SCHILL RESIDENCE Address: 15 CUTTING LANE

City,State,Zip: BURLINGTON, MA 018030000

Release Tracking Number/Current Status: 3-0031971 / RAO
Primary ID: Not reported
Official City: BURLINGTON
Notification: 01/31/2014
Category: 120 DY
Status Date: 03/28/2014
Phase: Not reported

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

Significant Risk exists.
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: 1/31/2014

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: 1/31/2014

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

Significant Risk exists.

Action Type: RNFE

Action Status: Transmittal, Notice, or Notification Received

Action Date: 1/31/2014

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: 2/21/2014

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: 3/28/2014

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: 7/30/2014

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

Significant Risk exists.

Direction Distance

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

SCHILL RESIDENCE (Continued)

S116358018

Chemicals:

C9-C18 ALIPHATIC HYDROCARBONS Chemical:

Quantity: 2900 milligrams per kilogram Chemical: 2-METHYLNAPHTHALENE Quantity: 2.7 milligrams per kilogram

C11 THRU C22 AROMATIC HYDROCARBONS Chemical:

1300 milligrams per kilogram Quantity:

UNKNOWN Source:

9 **WILMINGTON GEO RES AX** FUDS 1024899880 ΝE N/A

1/2-1 WILMINGTON, MA

4253 ft.

0.805 mi.

FUDS: Relative:

Lower EPA Region:

MA19799F192100 Installation ID: Actual: Congressional District Number:

115 ft.

Name: WILMINGTON GEO RES AX

FUDS Number: D01MA0293 City: WILMINGTON State: MA

County: **MIDDLESEX** Object ID: 9438 **USACE** Division: NAD

USACE District: New England District (NAE) Properties without projects Status: Current Owner: LOCAL: CITY MUNICIPALITY

EMS Map Link: https://fudsportal.usace.army.mil/ems/inventory/map?id=56854

Eligibility: Eligible Has Projects: No

NPL Status: Not reported

Project Required:

Feature Description: A map of military origin confirms DOD use. The property consists of

> 0.59 acres, and was used by the Air Force for meteorological field studies. The Air Force installed 1,000 feet of pipe and a 4ft square instrument shelter on the site. Electrical and telephone utilities

were also provided. As of the 1994 FDE, the property was owned by the

Town of Wilmington for use as a town pumping station.

42.53833333 Latitude: -71.17638889 Longitude:

B10 **RESIDENTIAL PROPERTY** MA SHWS S107678245 SSW N/A

19 SKILTON LN **MA LUST** 1/2-1 **BURLINGTON, MA 01803 MA RELEASE**

0.922 mi.

4868 ft. Site 1 of 2 in cluster B

Relative: SHWS: Lower Name:

RESIDENTIAL PROPERTY

Address: 19 SKILTON LN Actual:

City,State,Zip: BURLINGTON, MA 018030000 141 ft.

Facility ID: 3-0025779 Source Type: PIPE

Release Town: **BURLINGTON** **MA ENF**

Direction Distance

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

RESIDENTIAL PROPERTY (Continued)

S107678245

Notification Date: 03/30/2006 Category: 72 HR Associated ID: Not reported **Current Status:** RAO Status Date: 12/19/2012 Phase: Not reported

Response Action Outcome: A2 Oil Or Haz Material: Oil

LUST:

Facility:

RESIDENTIAL PROPERTY Name:

Address: 19 SKILTON LN

City,State,Zip: BURLINGTON, MA 018030000 **Current Status: Response Action Outcome**

Release Tracking Number/Current Status: 3-0025779 / RAO 12/19/2012 Status Date:

Source Type: UST

BURLINGTON Release Town: Notification Date: 03/30/2006 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:

RESIDNTIAL Location Type: PIPE Source: UST Source:

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

Chemicals:

Chemical: #2 FUEL OIL Quantity: 298 parts per million Chemical: FUEL OIL #2 Quantity: 100 parts per million

Actions:

Action Type: Compliance and Enforcement Action Action Status: Notice of Enforcement Conference

1/24/2011 Action Date:

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

reduced to background.

Action Type: Compliance and Enforcement Action

Action Status: CILS Action Date: 1/8/2008

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

reduced to background.

Action Type: Compliance and Enforcement Action Action Status: Interim Deadline Letter Issued

Direction Distance Elevation

EDR ID Number EPA ID Number Site Database(s)

RESIDENTIAL PROPERTY (Continued)

S107678245

Action Date: 1/8/2008

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: 11/8/2006

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

reduced to background.

Action Type: Immediate Response Action - DEP Lead Action Status: Completion Statement Received

Action Date: 12/19/2012

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

reduced to background.

RAO - DEP Lead Action Type: Action Status: **RAO Statement Received**

Action Date: 12/19/2012

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

reduced to background.

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

Action Status: **ALSENT** Action Date: 2/12/2007

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: 2/21/2007

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

reduced to background.

FTLI Action Type: Action Status: **APPREC** Action Date: 3/23/2011

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: 3/30/2006

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

reduced to background.

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

Action Date: 3/30/2006

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.

Action Date: 4/14/2006

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

reduced to background.

MAP FINDINGS Map ID Direction

Distance

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

RESIDENTIAL PROPERTY (Continued)

S107678245

Action Type: **FTLI** APPACC Action Status: 4/20/2011 Action Date:

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

reduced to background.

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

Action Date: 4/26/2006

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

reduced to background.

Action Type: **RLFA** Action Status: **FOLOFF** Action Date: 4/26/2006

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

reduced to background.

Action Type: **FTLI**

Action Status or AUL Terminated Action Status:

Action Date: 4/30/2013

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: 5/5/2007

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

reduced to background.

Action Type: **FTLI** Action Status: **APPREC** Action Date: 6/11/2012

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

reduced to background.

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

Action Date: 6/8/2010

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

reduced to background.

Action Type: **FTLI APPACC** Action Status: Action Date: 7/11/2012

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

reduced to background.

Action Type: RNF

Reportable Release under MGL 21E Action Status:

Action Date: 7/13/2006

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: 7/13/2006

Direction Distance

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

RESIDENTIAL PROPERTY (Continued)

S107678245

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

reduced to background.

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

7/18/2006 Action Date:

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

reduced to background.

Action Type: **RLFA FOLOFF** Action Status: 7/26/2006 Action Date:

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

reduced to background.

Action Type: Compliance and Enforcement Action

Action Status: NOFENF 8/1/2007 Action Date:

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

reduced to background.

Action Type: **RLFA** Action Status: **FOLOFF** Action Date: 8/1/2007

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

reduced to background.

Action Type: Compliance and Enforcement Action Action Status: Notice of Enforcement Conference

Action Date: 8/1/2007

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

reduced to background.

Release:

RESIDENTIAL PROPERTY Name:

19 SKILTON LN Address:

BURLINGTON, MA 018030000 City, State, Zip:

Release Tracking Number/Current Status: 3-0025779 / RAO Primary ID: Not reported Official City: BURLINGTON Notification: 03/30/2006 Category: 72 HR Status Date: 12/19/2012 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: Compliance and Enforcement Action Action Status: Notice of Enforcement Conference

Action Date: 1/24/2011

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

MAP FINDINGS Map ID Direction

Distance

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

RESIDENTIAL PROPERTY (Continued)

S107678245

reduced to background.

Action Type: Compliance and Enforcement Action

Action Status: CILS Action Date: 1/8/2008

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: 1/8/2008

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: 11/8/2006

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

reduced to background.

Action Type: Immediate Response Action - DEP Lead Action Status: Completion Statement Received

12/19/2012 Action Date:

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

reduced to background.

Action Type: RAO - DEP Lead Action Status: **RAO Statement Received**

Action Date: 12/19/2012

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

reduced to background.

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

Action Status: ALSENT 2/12/2007 Action Date:

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

reduced to background.

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

Action Date: 2/21/2007

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

reduced to background.

FTLI Action Type: Action Status: **APPREC** Action Date: 3/23/2011

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

reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

3/30/2006 Action Date:

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

reduced to background.

Action Type: Immediate Response Action

Direction Distance Elevation

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

RESIDENTIAL PROPERTY (Continued)

S107678245

Action Status: Oral Approval of Plan or Action

Action Date: 3/30/2006

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.

Action Date: 4/14/2006

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

reduced to background.

Action Type: FTLI
Action Status: APPACC
Action Date: 4/20/2011

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: 4/26/2006

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

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/26/2006

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

reduced to background.

Action Type: FTLI

Action Status: Action Status or AUL Terminated

Action Date: 4/30/2013

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: 5/5/2007

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

reduced to background.

Action Type: FTLI
Action Status: APPREC
Action Date: 6/11/2012

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: 6/8/2010

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

reduced to background.

Action Type: FTLI
Action Status: APPACC
Action Date: 7/11/2012

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

Direction Distance

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

RESIDENTIAL PROPERTY (Continued)

S107678245

reduced to background.

Action Type: **RNF**

Action Status: Reportable Release under MGL 21E

Action Date: 7/13/2006

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

reduced to background.

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

7/13/2006 Action Date:

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

reduced to background.

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

Action Date: 7/18/2006

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

reduced to background.

Action Type: **RLFA FOLOFF** Action Status: Action Date: 7/26/2006

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

reduced to background.

Action Type: Compliance and Enforcement Action

Action Status: NOFENF 8/1/2007 Action Date:

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

reduced to background.

Action Type: **RLFA FOLOFF** Action Status: 8/1/2007 Action Date:

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

reduced to background.

Compliance and Enforcement Action Action Type: Action Status: Notice of Enforcement Conference

Action Date: 8/1/2007

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

reduced to background.

Chemicals:

#2 FUEL OIL Chemical: Quantity: 298 parts per million Chemical: FUEL OIL #2 100 parts per million Quantity: Location Type: RESIDNTIAL

PIPE Source: Source: UST

ENFORCEMENT:

CUSTANCE, PHILIP Name: Address: 19 SKILTON LN

Direction Distance

Elevation Site Database(s) EPA ID Number

RESIDENTIAL PROPERTY (Continued)

S107678245

EDR ID Number

City, State, Zip: BURLINGTON, MA 018030000

Region: NERO
DEP Region: NERO
DEP Program: 3a
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0025779
High Or Low Level Enforcement: LLE
FMF #: 0

Town Where Violation Occurred: Not reported
Date Executed: 06/08/2010
ENF #: NON-NE-10-3A051

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: Individually Owned

Name: CUSTANCE, PHILIP Address: 19 SKILTON LN

City, State, Zip: BURLINGTON, MA 018030000

 Region:
 NERO

 DEP Region:
 NERO

 DEP Program:
 3c

 DEP Bureau:
 BWSC

 Program:
 BWSC

 Program Id:
 3-0025779

 High Or Low Level Enforcement:
 LLE

 FMF #:
 0

Town Where Violation Occurred: Not reported Date Executed: 01/08/2008 ENF #: Faux Enf- 0504

Document Type: IDL

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 Not reported EMS (Y/N): EMS\$: Not reported SEP (Y/N): Not reported SEP \$: Not reported Demand \$: Not reported Suspended \$: Not reported Ownership: Individually Owned

Direction Distance

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

RESIDENTIAL PROPERTY (Continued)

S107678245

Name: CUSTANCE, PHILIP 19 SKILTON LN Address:

BURLINGTON, MA 018030000 City,State,Zip:

Region: **NERO** DEP Region: **NERO** DEP Program: За DEP Bureau: **BWSC BWSC** Program: Program Id: 3-0025779 High Or Low Level Enforcement: LLE FMF #: 0

Town Where Violation Occurred: Not reported Date Executed: 05/05/2007 ENF #: NON-NE-07-3A057

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: Individually Owned

CORNER OF CLINTON AND LINCOLN STS MA SHWS S106344040 NNW **2 CLINTON ST MA RELEASE** N/A

WILMINGTON, MA 01887 1/2-1

0.945 mi. 4992 ft.

11

Relative: SHWS:

Lower CORNER OF CLINTON AND LINCOLN STS Name:

Address: 2 CLINTON ST Actual:

City,State,Zip: WILMINGTON, MA 018870000 116 ft.

> Facility ID: 3-0023625 Source Type: **UNKNOWN** Release Town: WILMINGTON Notification Date: 02/22/2004 TWO HR Category: Associated ID: Not reported **Current Status:** RAO Status Date: 03/20/2006 Phase: Not reported

Response Action Outcome: Α1 Oil Or Haz Material: Oil

Release:

Name: CORNER OF CLINTON AND LINCOLN STS

Address: 2 CLINTON ST

WILMINGTON, MA 018870000 City, State, Zip:

Release Tracking Number/Current Status: 3-0023625 / RAO

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

CORNER OF CLINTON AND LINCOLN STS (Continued)

S106344040

EDR ID Number

Primary ID: Not reported
Official City: WILMINGTON
Notification: 02/22/2004
Category: TWO HR
Status Date: 03/20/2006
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: Oi

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

Actions:

Action Type: RLFA
Action Status: FLDDO
Action Date: 2/22/2004

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

to background or a threat of release has been eliminated.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 2/22/2004

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: RLFA
Action Status: FOLFLD
Action Date: 2/23/2004

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

to background or a threat of release has been eliminated.

Action Type: Immediate Response Action - DEP Lead

Action Status: Oral Approval of Plan or Action

Action Date: 2/23/2004

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: RLFA
Action Status: FOLOFF
Action Date: 3/15/2004

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: RLFA
Action Status: FOLOFF
Action Date: 3/20/2006

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: RAO - DEP Lead
Action Status: RAO Statement Received

Action Date: 3/20/2006

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: Release Disposition

Action Status: Reportable Release under MGL 21E

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

CORNER OF CLINTON AND LINCOLN STS (Continued)

S106344040

EDR ID Number

Action Date: 3/20/2006

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: RLFA
Action Status: FOLFLD
Action Date: 4/1/2005

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

to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 4/16/2004

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: RLFA
Action Status: FOLOFF
Action Date: 4/2/2004

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

to background or a threat of release has been eliminated.

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

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

Action Date: 4/26/2004

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

to background or a threat of release has been eliminated.

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

Action Status: DEPRET Action Date: 5/24/2004

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: RLFA
Action Status: FOLFLD
Action Date: 5/4/2004

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: RLFA
Action Status: FLDDO
Action Date: 6/25/2004

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: 30 gallons
Location Type: RESIDNTIAL
Source: UNKNOWN

Map ID MAP FINDINGS

Direction

Distance

EDR ID Number

Elevation Site

Database(s) EPA ID Number

B12 NO LOCATION AID MA SHWS S104545200 SSW 4 BROOKFIELD RD MA RELEASE N/A

NO LOCATION AID

4 BROOKFIELD RD

BURLINGTON, MA 01803

1/2-1 BURLINGTON, MA 01803

0.961 mi.

5072 ft. Site 2 of 2 in cluster B

Relative: SHWS: Lower Name:

Actual: Address:
142 ft. City,State,Zip:

Facility ID: 3-0011228 Source Type: Not reported Release Town: **BURLINGTON** Notification Date: 07/01/1994 Category: 120 DY Associated ID: Not reported **Current Status:** RAO Status Date: 06/21/2005 Not reported Phase:

Response Action Outcome: A2
Oil Or Haz Material: Oil

Release:

Name: NO LOCATION AID
Address: 4 BROOKFIELD RD
City,State,Zip: BURLINGTON, MA 01803
Release Tracking Number/Current Status: 3-0011228 / RAO

Primary ID: Not reported
Official City: BURLINGTON
Notification: 07/01/1994
Category: 120 DY
Status Date: 06/21/2005
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: Compliance and Enforcement Action Action Status: Notice of Non-Compliance Issued

Action Date: 1/15/2004

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: 11/28/2003

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: 4/28/1997

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

reduced to background.

Map ID MAP FINDINGS Direction

Distance Elevation Site

on Site Database(s) EPA ID Number

NO LOCATION AID (Continued)

S104545200

EDR ID Number

Action Type: Response Action Outcome - RAO

Action Status: RAO Statement Received

Action Date: 6/21/2005

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: 7/1/1994

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

reduced to background.

Action Type: Release Disposition

Action Status: Reportable Release under MGL 21E

Action Date: 7/1/1994

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

reduced to background.

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

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

Action Date: 7/18/1994

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

reduced to background.

Chemicals:

Chemical: #2 FUEL OIL
Quantity: Not reported
Location Type: RESIDNTIAL

Count: 3 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BURLINGTON	S113805029	7 NEW ENGLAND EXECUTIVE PARK	BURLINGTON MALL RD		MA SHWS, MA RELEASE
BURLINGTON	S126024752	SUMNER STREET @ FOXHILL ROAD	SUMNER STREET	01803	MA SHWS, MA RELEASE
WILMINGTON	S117405657	COMMUTER RAILROAD LINE	BUTTERS ROW & MAIN STREET ADJ		MA SHWS. MA RELEASE

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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: 01/25/2023 Source: EPA
Date Data Arrived at EDR: 02/03/2023 Telephone: N/A

Number of Days to Update: 25 Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/25/2023 Source: EPA
Date Data Arrived at EDR: 02/02/2023 Telephone: N/A

Next Scheduled EDR Contact: 04/10/2023
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

Lists of Federal Delisted NPL sites

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: 01/25/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 26

Source: EPA Telephone: N/A

Last EDR Contact: 03/01/2023

Next Scheduled EDR Contact: 04/10/2023 Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2022 Date Data Arrived at EDR: 12/21/2022 Date Made Active in Reports: 03/10/2023

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 03/28/2023

Next Scheduled EDR Contact: 07/10/2023 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: 01/25/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 26

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 03/01/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

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: 01/25/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 26

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 03/01/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/06/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

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: 03/06/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Quarterly

Lists of Federal RCRA generators

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: 03/06/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 07/03/2023 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: 03/06/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 07/03/2023 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: 03/06/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 07/03/2023 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: 11/02/2022 Date Data Arrived at EDR: 11/08/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 63

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 02/03/2023

Next Scheduled EDR Contact: 05/22/2023 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: 10/27/2022 Date Data Arrived at EDR: 11/16/2022 Date Made Active in Reports: 02/09/2023

Number of Days to Update: 85

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/21/2023

Next Scheduled EDR Contact: 06/05/2023 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: 10/27/2022 Date Data Arrived at EDR: 11/16/2022 Date Made Active in Reports: 02/09/2023

Number of Days to Update: 85

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/21/2023

Next Scheduled EDR Contact: 06/05/2023

Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous

substances.

Date of Government Version: 12/12/2022 Date Data Arrived at EDR: 12/14/2022 Date Made Active in Reports: 12/19/2022

Number of Days to Update: 5

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 03/21/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Site Transition List

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

Date of Government Version: 01/08/2023 Date Data Arrived at EDR: 01/19/2023 Date Made Active in Reports: 03/21/2023

Number of Days to Update: 61

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 01/19/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

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: 03/30/2023

Next Scheduled EDR Contact: 07/10/2023 Data Release Frequency: Varies

SWF/LF: Solid Waste Facility Database/Transfer Stations

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/02/2022 Date Data Arrived at EDR: 05/03/2022 Date Made Active in Reports: 07/22/2022

Number of Days to Update: 80

Source: Department of Environmental Protection

Telephone: 617-292-5989 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/10/2023 Data Release Frequency: Annually

Lists of state and tribal leaking storage tanks

LAST: Leaking Aboveground Storage Tank Sites

Sites within the Releases Database that have a AST listed as its source.

Date of Government Version: 01/08/2023 Date Data Arrived at EDR: 01/19/2023 Date Made Active in Reports: 03/21/2023

Number of Days to Update: 61

Source: Department of Environmental Protection

Telephone: 617-292-5500 Last EDR Contact: 01/19/2023

Next Scheduled EDR Contact: 04/17/2023 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: 01/08/2023 Date Data Arrived at EDR: 01/19/2023 Date Made Active in Reports: 03/21/2023

Number of Days to Update: 61

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 01/19/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/23/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023

Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/23/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023

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: 11/23/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 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: 10/19/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 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: 04/20/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 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: 10/14/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023

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: 11/26/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 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: 10/14/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023

Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021 Date Data Arrived at EDR: 11/05/2021 Date Made Active in Reports: 02/01/2022

Number of Days to Update: 88

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 03/29/2023

Next Scheduled EDR Contact: 07/17/2023

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: 01/11/2023 Date Data Arrived at EDR: 01/12/2023 Date Made Active in Reports: 03/06/2023

Number of Days to Update: 53

Source: Department of Fire Services, Office of the Public Safety

Telephone: 617-556-1035 Last EDR Contact: 03/10/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Database Registered Aboveground Storage Tanks.

Date of Government Version: 12/16/2022 Date Data Arrived at EDR: 01/10/2023 Date Made Active in Reports: 03/06/2023

Number of Days to Update: 55

Source: Department of Public Safety

Telephone: 617-556-1035 Last EDR Contact: 01/10/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: No Update Planned

AST 2: Aboveground Storage Tanks
Aboveground storage tanks

Date of Government Version: 01/09/2023 Date Data Arrived at EDR: 01/12/2023 Date Made Active in Reports: 03/30/2023

Number of Days to Update: 77

Source: Department of Fire Services Telephone: 978-567-3181 Last EDR Contact: 01/06/2023

Next Scheduled EDR Contact: 04/24/2023 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: 11/23/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 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: 11/23/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023

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: 10/14/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 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: 10/19/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 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: 10/14/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 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: 11/23/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 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: 04/20/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 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: 11/23/2022 Date Data Arrived at EDR: 12/06/2022 Date Made Active in Reports: 03/03/2023

Number of Days to Update: 87

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 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: 01/08/2023 Date Data Arrived at EDR: 01/19/2023 Date Made Active in Reports: 03/21/2023

Number of Days to Update: 61

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 01/19/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Quarterly

Lists of 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: 07/08/2021

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: 03/17/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS 2: Potential Brownfields Listing

A listing of potential brownfields site locations in the state.

Date of Government Version: 12/03/2019 Date Data Arrived at EDR: 01/29/2021 Date Made Active in Reports: 04/21/2021

Number of Days to Update: 82

Source: Department of Environmental Protection

Telephone: 617-556-1007 Last EDR Contact: 01/27/2023

Next Scheduled EDR Contact: 05/08/2023

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: 01/27/2023

Next Scheduled EDR Contact: 05/08/2023 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: 02/23/2022 Date Data Arrived at EDR: 03/10/2022 Date Made Active in Reports: 03/10/2022

Number of Days to Update: 0

Source: Environmental Protection Agency Telephone: 202-566-2777

Last EDR Contact: 03/14/2023

Next Scheduled EDR Contact: 06/26/2023 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: 01/20/2023

Next Scheduled EDR Contact: 05/08/2023 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: 01/13/2023

Next Scheduled EDR Contact: 05/01/2023 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: 01/27/2023

Next Scheduled EDR Contact: 05/08/2023 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: 01/06/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 8

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 02/02/2023

Next Scheduled EDR Contact: 06/05/2023 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: 01/06/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 8

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 02/02/2023

Next Scheduled EDR Contact: 06/05/2023 Data Release Frequency: Quarterly

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: 02/09/2023

Next Scheduled EDR Contact: 05/29/2023

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: 01/25/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 26

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 03/01/2023

Next Scheduled EDR Contact: 04/10/2023 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: 12/13/2022 Date Data Arrived at EDR: 12/14/2022 Date Made Active in Reports: 03/10/2023

Number of Days to Update: 86

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 03/21/2023

Next Scheduled EDR Contact: 07/03/2023 Data Release Frequency: Quarterly

MA SPILLS: Historical Spill List

List databases.

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

Date of Government Version: 09/30/1993 Date Data Arrived at EDR: 12/03/2003 Date Made Active in Reports: 12/31/2003

Number of Days to Update: 28

Source: Department of Environmental Protection

Telephone: 617-292-5720 Last EDR Contact: 12/03/2003 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

RELEASE: Reportable Releases

Contains information on all releases of oil and hazardous materials that have been reported to DEP

Date of Government Version: 01/08/2023 Date Data Arrived at EDR: 01/19/2023 Date Made Active in Reports: 03/21/2023

Number of Days to Update: 61

Source: Department of Environmental Protection

Telephone: 617-292-5990 Last EDR Contact: 01/19/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/11/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/08/2013

Number of Days to Update: 36

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 03/10/1998 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 03/05/2013

Number of Days to Update: 61

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 03/06/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: Environmental Protection Agency

Telephone: (888) 372-7341 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 07/03/2023 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: 11/01/2022 Date Data Arrived at EDR: 11/10/2022 Date Made Active in Reports: 02/09/2023

Number of Days to Update: 91

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 02/14/2023

Next Scheduled EDR Contact: 05/29/2023

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: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022

Number of Days to Update: 239

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 01/13/2023

Next Scheduled EDR Contact: 04/24/2023

Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 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: 01/03/2023

Next Scheduled EDR Contact: 04/17/2023

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: 07/30/2021 Date Data Arrived at EDR: 02/03/2023 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 02/02/2023

Next Scheduled EDR Contact: 05/22/2023 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: 12/13/2022 Date Data Arrived at EDR: 12/14/2022 Date Made Active in Reports: 03/10/2023

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 03/21/2023

Next Scheduled EDR Contact: 07/03/2023 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: 01/30/2023

Next Scheduled EDR Contact: 05/15/2023 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: 02/03/2023

Next Scheduled EDR Contact: 05/15/2023

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: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023

Number of Days to Update: 283

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 03/13/2023

Next Scheduled EDR Contact: 06/26/2023 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: 12/31/2021 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 02/09/2023

Number of Days to Update: 100

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 02/16/2023

Next Scheduled EDR Contact: 05/29/2023 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: 10/17/2022 Date Data Arrived at EDR: 10/18/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 84

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 01/18/2023

Next Scheduled EDR Contact: 05/01/2023 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: 01/25/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 26

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 03/01/2023

Next Scheduled EDR Contact: 06/12/2023 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: 04/27/2022 Date Data Arrived at EDR: 05/04/2022 Date Made Active in Reports: 05/10/2022

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 03/01/2023

Next Scheduled EDR Contact: 05/15/2023 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: 01/20/2022 Date Data Arrived at EDR: 01/20/2022 Date Made Active in Reports: 03/25/2022

Number of Days to Update: 64

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 01/04/2023

Next Scheduled EDR Contact: 04/17/2023 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: 03/29/2023

Next Scheduled EDR Contact: 07/17/2023 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: 10/26/2022 Date Data Arrived at EDR: 11/22/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 13

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 01/17/2023

Next Scheduled EDR Contact: 05/01/2023 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: 12/31/2020 Date Data Arrived at EDR: 11/30/2021 Date Made Active in Reports: 02/22/2022

Number of Days to Update: 84

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 03/03/2023

Next Scheduled EDR Contact: 06/12/2023 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: 02/27/2023

Next Scheduled EDR Contact: 06/12/2023

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: 02/03/2023

Next Scheduled EDR Contact: 05/15/2023 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: 03/23/2023

Next Scheduled EDR Contact: 07/10/2023 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: 01/24/2023

Next Scheduled EDR Contact: 05/08/2023 Data Release Frequency: Quarterly

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: 09/30/2022 Date Data Arrived at EDR: 10/21/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 01/03/2023

Next Scheduled EDR Contact: 04/17/2023 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: 12/31/2021 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 07/03/2023 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: 01/06/2023

Next Scheduled EDR Contact: 04/17/2023 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: 07/26/2021 Date Data Arrived at EDR: 07/27/2021 Date Made Active in Reports: 10/22/2021

Number of Days to Update: 87

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 01/30/2023

Next Scheduled EDR Contact: 05/15/2023 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: 02/13/2023

Next Scheduled EDR Contact: 05/29/2023 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/25/2023 Date Data Arrived at EDR: 02/02/2023 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 26

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 03/01/2023

Next Scheduled EDR Contact: 04/10/2023 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

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: 11/07/2022 Date Data Arrived at EDR: 11/17/2022 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 02/22/2023

Next Scheduled EDR Contact: 06/05/2023 Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 02/27/2023 Date Data Arrived at EDR: 03/01/2023 Date Made Active in Reports: 03/24/2023

Number of Days to Update: 23

Source: DOL, Mine Safety & Health Admi

Telephone: 202-693-9424 Last EDR Contact: 02/23/2023

Next Scheduled EDR Contact: 06/12/2023 Data Release Frequency: Quarterly

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: 02/24/2023

Next Scheduled EDR Contact: 06/05/2023

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: 02/24/2023

Next Scheduled EDR Contact: 06/05/2023 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: 12/20/2022 Date Data Arrived at EDR: 12/20/2022 Date Made Active in Reports: 03/10/2023

Number of Days to Update: 80

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 03/16/2023

Next Scheduled EDR Contact: 06/19/2023 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: 02/02/2023 Date Data Arrived at EDR: 02/28/2023 Date Made Active in Reports: 03/24/2023

Number of Days to Update: 24

Source: EPA Telephone: (617) 918-1111

Last EDR Contact: 02/28/2023 Next Scheduled EDR Contact: 06/12/2023

Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021 Date Data Arrived at EDR: 10/20/2022 Date Made Active in Reports: 01/10/2023

Number of Days to Update: 82

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 01/09/2023

Next Scheduled EDR Contact: 04/24/2023 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: 09/25/2022 Date Data Arrived at EDR: 09/30/2022 Date Made Active in Reports: 12/22/2022

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 01/04/2023

Next Scheduled EDR Contact: 04/17/2023 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: 05/06/2021 Date Data Arrived at EDR: 05/21/2021 Date Made Active in Reports: 08/11/2021

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 02/24/2023

Next Scheduled EDR Contact: 06/05/2023 Data Release Frequency: Varies

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: 11/10/2022 Date Data Arrived at EDR: 11/10/2022 Date Made Active in Reports: 02/09/2023

Number of Days to Update: 91

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 02/14/2023

Next Scheduled EDR Contact: 05/29/2023 Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022

Number of Days to Update: 123

Source: Environmental Protection Agency

Telephone: 703-603-8895 Last EDR Contact: 01/10/2023

Next Scheduled EDR Contact: 04/17/2023 Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 02/23/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 03/17/2021 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 601

Source: Department of Health & Human Services

Telephone: 202-741-5770 Last EDR Contact: 01/23/2023

Next Scheduled EDR Contact: 05/08/2023 Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022 Number of Days to Update: 222 Source: Environmental Protection Agency Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 08/22/2018 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023

Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 08/22/2018 Date Data Arrived at EDR: 10/26/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 02/23/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

PFAS: PFAS Contaminated Sites Listing

Detection of Per- and Polyfluoroalkyl Substances (PFAS) in drinking water.

Date of Government Version: 12/09/2022 Date Data Arrived at EDR: 12/12/2022 Date Made Active in Reports: 03/06/2023

Number of Days to Update: 84

Source: Department of Environmental Protection

Telephone: 617-292-6770 Last EDR Contact: 03/23/2023

Next Scheduled EDR Contact: 07/10/2023 Data Release Frequency: Varies

AIRS: Permitted Facilities Listing

A listing of Air Quality permit applications.

Date of Government Version: 01/12/2023 Date Data Arrived at EDR: 01/13/2023 Date Made Active in Reports: 03/30/2023

Number of Days to Update: 76

Source: Department of Environmental Protection

Telephone: 617-292-5789 Last EDR Contact: 01/06/2023

Next Scheduled EDR Contact: 04/24/2023

Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 11/16/2022 Date Data Arrived at EDR: 11/17/2022 Date Made Active in Reports: 02/13/2023

Number of Days to Update: 88

Source: Department of Environmental Protection

Telephone: 617-292-5982 Last EDR Contact: 03/09/2023

Next Scheduled EDR Contact: 05/29/2023

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: 12/07/2022 Date Data Arrived at EDR: 12/13/2022 Date Made Active in Reports: 01/12/2023

Number of Days to Update: 30

Source: Department of Environmental Protection

Telephone: 617-292-5633 Last EDR Contact: 02/22/2023

Next Scheduled EDR Contact: 04/24/2023 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: 01/09/2023 Date Data Arrived at EDR: 01/10/2023 Date Made Active in Reports: 01/12/2023

Number of Days to Update: 2

Source: Department of Environmental Quality

Telephone: 617-292-5979 Last EDR Contact: 01/06/2023

Next Scheduled EDR Contact: 04/24/2023 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: 03/02/2023

Next Scheduled EDR Contact: 06/19/2023

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: 01/11/2023 Date Data Arrived at EDR: 01/12/2023 Date Made Active in Reports: 03/06/2023

Number of Days to Update: 53

Source: Office of State Fire Marshal Telephone: 978-567-3100 Last EDR Contact: 03/10/2023

Next Scheduled EDR Contact: 04/24/2023

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: 10/24/2022 Date Data Arrived at EDR: 01/12/2023 Date Made Active in Reports: 03/07/2023

Number of Days to Update: 54

Source: Department of Environmental Protection

Telephone: 617-292-5970 Last EDR Contact: 01/06/2023

Next Scheduled EDR Contact: 04/17/2023 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: 12/29/2021 Date Data Arrived at EDR: 01/25/2022 Date Made Active in Reports: 04/18/2022

Number of Days to Update: 83

Source: MassGIS Telephone: 617-556-1150 Last EDR Contact: 01/24/2023

Next Scheduled EDR Contact: 05/08/2023

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: 11/18/2022 Date Data Arrived at EDR: 12/14/2022 Date Made Active in Reports: 03/06/2023

Number of Days to Update: 82

Source: Department of Environmental Protection

Telephone: 617-292-5500 Last EDR Contact: 03/21/2023

Next Scheduled EDR Contact: 07/03/2023 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: 09/26/2022 Date Data Arrived at EDR: 09/26/2022 Date Made Active in Reports: 12/09/2022

Number of Days to Update: 74

Source: Department of Environmental Protection

Telephone: 617-292-5632 Last EDR Contact: 02/09/2023

Next Scheduled EDR Contact: 05/29/2023

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: 12/16/2022 Date Data Arrived at EDR: 02/07/2023 Date Made Active in Reports: 02/14/2023

Number of Days to Update: 7

Source: Department of Environmental Protection

Telephone: 508-767-2781 Last EDR Contact: 02/07/2023

Next Scheduled EDR Contact: 05/22/2023

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: 12/31/2019 Date Data Arrived at EDR: 07/19/2021 Date Made Active in Reports: 08/17/2021

Number of Days to Update: 29

Source: Massachusetts Emergency Management Agency

Telephone: 508-820-2019 Last EDR Contact: 01/23/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Annually

TSD: TSD Facility

List of Licensed Hazardous Waste Treatment, Storage Disposal Facilities (TSDFs) in Massachusetts.

Date of Government Version: 11/18/2022 Date Data Arrived at EDR: 12/14/2022 Date Made Active in Reports: 03/06/2023

Number of Days to Update: 82

Source: Department of Environmental Protection

Telephone: 617-292-5580 Last EDR Contact: 03/21/2023

Next Scheduled EDR Contact: 07/03/2023

Data Release Frequency: Varies

UIC: Underground Injection Control Listing

A list of UIC registration data and their locations

Date of Government Version: 03/10/2022 Date Data Arrived at EDR: 03/15/2022 Date Made Active in Reports: 06/10/2022

Number of Days to Update: 87

Source: Department of Environmental Protection

Telephone: 617-566-1172 Last EDR Contact: 02/03/2023

Next Scheduled EDR Contact: 05/22/2023 Data Release Frequency: Varies

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: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Semi-Annually

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 Davis to Undete: 120

Number of Days to Update: 120

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 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: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022 Date Data Arrived at EDR: 11/22/2022 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 98

Source: USGS

Telephone: 703-648-6533 Last EDR Contact: 02/24/2023

Next Scheduled EDR Contact: 06/05/2023 Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 03/07/2023 Date Data Arrived at EDR: 03/07/2023 Date Made Active in Reports: 03/24/2023

Number of Days to Update: 17

Source: Environmental Protection Agency

Telephone: 202-566-0250 Last EDR Contact: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023

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 Source: EDR, Inc. Date Data Arrived at EDR: N/A Telephone: N/A Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: 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 Source: EDR, Inc. Date Data Arrived at EDR: N/A Telephone: N/A Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Massachusetts.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/24/2013

Number of Days to Update: 176

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Massachusetts.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/24/2013 Number of Days to Update: 176

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

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: 11/16/2022 Date Data Arrived at EDR: 11/16/2022 Date Made Active in Reports: 02/06/2023

Number of Days to Update: 82

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 02/10/2023

Next Scheduled EDR Contact: 05/22/2023 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: 03/30/2023

Next Scheduled EDR Contact: 07/17/2023 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: 10/29/2021 Date Made Active in Reports: 01/19/2022

Number of Days to Update: 82

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 01/27/2023

Next Scheduled EDR Contact: 05/08/2023
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: 01/06/2023

Next Scheduled EDR Contact: 04/24/2023 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 11/30/2021 Date Made Active in Reports: 02/18/2022

Number of Days to Update: 80

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 02/13/2022

Next Scheduled EDR Contact: 05/29/2023 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: 01/06/2023

Next Scheduled EDR Contact: 04/24/2023 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: 03/06/2023

Next Scheduled EDR Contact: 06/19/2023 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, 2010 and 2015 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

FOX HILL ELEMENTARY SCHOOL 252 FOX HILL ROAD BURLINGTON, MA 01803

TARGET PROPERTY COORDINATES

Latitude (North): 42.529052 - 42° 31' 44.59" Longitude (West): 71.188461 - 71° 11' 18.46"

Universal Tranverse Mercator: Zone 19 UTM X (Meters): 320257.0 UTM Y (Meters): 4710625.5

Elevation: 173 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 11762185 WILMINGTON, MA

Version Date: 2018

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.

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).

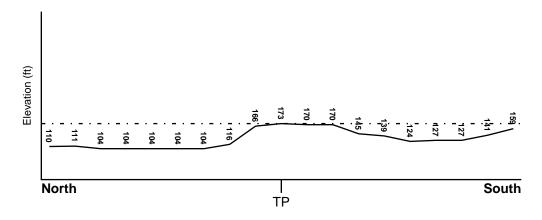
TOPOGRAPHIC INFORMATION

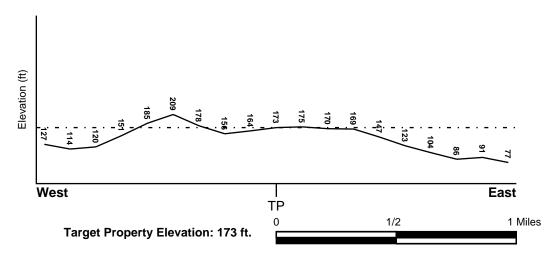
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property FEMA Source Type

25017C0289E FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

25017C0287E FEMA FIRM Flood data 25017C0291E FEMA FIRM Flood data 25017C0293E FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

WILMINGTON YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era: Paleozoic Category: Plutonic and Intrusive Rocks

System: Ordovian

Series: Lower Paleozoic granitic rocks

Code: Pzg1 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: MONTAUK

Soil Surface Texture: extremely stony - sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to

water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

	Soil Layer Information								
	Bou	ındary		Classif	fication				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)		
1	0 inches	2 inches	extremely stony - sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 0.60	Max: 6.00 Min: 3.60		
2	2 inches	27 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 0.60	Max: 6.00 Min: 3.60		
3	27 inches	72 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.60 Min: 0.06	Max: 6.00 Min: 3.60		

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: extremely stony - fine sandy loam

muck

unweathered bedrock very stony - fine sandy loam

sandy loam

Surficial Soil Types: extremely stony - fine sandy loam

muck

unweathered bedrock very stony - fine sandy loam

sandy loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: gravelly - loamy sand

loamy sand sand

unweathered bedrock sapric material

very gravelly - loamy coarse sand

fine sandy loam

stratified

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

LOCATION

MAP ID WELL ID FROM TP

2 USGS40000476871 1/2 - 1 Mile NE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID FROM TP

3 MA3342000 1/2 - 1 Mile East

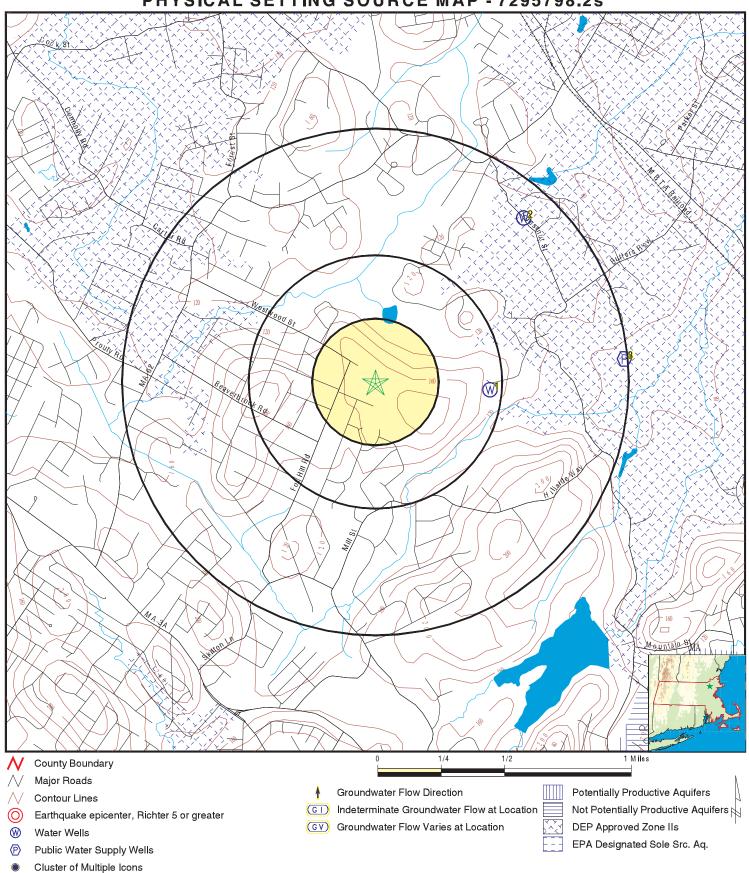
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID WELL ID LOCATION FROM TP

1 MA9000000003712 1/4 - 1/2 Mile East

PHYSICAL SETTING SOURCE MAP - 7295798.2s



SITE NAME: Fox Hill Elementary School ADDRESS: 252 Fox Hill Road

Burlington MA 01803 LAT/LONG: 42.529052 / 71.188461 CLIENT: ECMS, Inc. CONTACT: Cheryl Cambria INQUIRY#: 7295798.2s

DATE: March 31, 2023 2:57 pm

Map ID Direction Distance

Elevation Database EDR ID Number

East

Basemap:

MA WELLS MA900000003712

1/4 - 1/2 Mile Lower

> PWS ID: 3342001 Site Name: MILLBROOK COUNTRY DAY SCH INC Not Reported

Transient Non-Community Type: Facility Name:

NA

IPSWICH SubBasin:

> Accuracy Estimate (ft): 100 GP 6 Location Method:

Feature Type: GW Primary Location Source: SV Secondary Location Source: Not Reported

Tertiary Location Source: Not Reported

Source ID: 3342001-01G PWS Name: MILLBROOK COUNTRY DAY SCH INC

Source Name: MILLBROOK WELL 1 PWS Status: Source Status: PWS Class: NC

Source Availability: **ACTIVE**

FED USGS USGS40000476871

1/2 - 1 Mile Lower

> Organization ID: USGS-MA

Organization Name: USGS Massachusetts Water Science Center Monitor Location: MA-XMW 19 Well Type:

Description: Not Reported HUC: Not Reported Drainage Area: Not Reported **Drainage Area Units:** Not Reported Contrib Drainage Area Unts: Contrib Drainage Area: Not Reported Not Reported Formation Type: Aquifer: Not Reported Not Reported Construction Date: Not Reported Aquifer Type: Not Reported

Well Depth Units: Well Depth:

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

East FRDS PWS MA3342000 1/2 - 1 Mile Lower

Epa region: 01 State:

MA3342000 WILMINGTON WATER DEPT Pwsid: Pwsname:

Not Reported Cityserved: Stateserved: MA Zipserved: 25017 Not Reported Fipscounty: Status: Active Retpopsrvd: 22250

7516 Psource longname: Purch_surface_water Pwssvcconn:

Pwstype: **CWS** Owner: Local_Govt

MICHAEL J WOODS WILMINGTON WATER DEPT Contact: Contactorgname:

9786584711 Contactaddress1: 121 GLEN ROAD Contactphone: Contactaddress2: WILMINGTON Not Reported Contactcity: Contactzip: 01887

Contactstate: MA Pwsactivitycode: Α

Pwsid: MA3342000 Facid: 11

Facname: BUTTERS ROW WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: corrosion control Trtprocess: ph adjustment

Factypecode: TP

Pwsid: MA3342000 Facid: 11

Facname: BUTTERS ROW WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: particulate removal Trtprocess: filtration, rapid sand

Factypecode: TP

Pwsid: MA3342000 Facid: 11
Facname: BUTTERS ROW WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: taste / odor control Trtprocess: activated carbon, granular

Factypecode: TP

Pwsid: MA3342000 Facid: 11
Facname: BUTTERS ROW WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: disinfection Trtprocess: gaseous chlorination, post

Factypecode: TP

Pwsid: MA3342000 Facid: 11

Facname: BUTTERS ROW WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: iron removal Trtprocess: permanganate

Factypecode: TP

Pwsid: MA3342000 Facid: 11

Facname: BUTTERS ROW WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: disinfection Trtprocess: hypochlorination, post

Factypecode: TP

Pwsid: MA3342000 Facid: 11
Facname: BUTTERS ROW WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: disinfection by-products control

Trtprocess: chloramines Factypecode: TP

Pwsid: MA3342000 Facid: 11
Facname: BUTTERS ROW WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: iron removal Trtprocess: sedimentation

Factypecode: TP

Pwsid: MA3342000 Facid: 11
Facname: BUTTERS ROW WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: organics removal Trtprocess: aeration, diffused

Factypecode: TP

Pwsid: MA3342000 Facid: 11

Facname: BUTTERS ROW WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: organics removal Trtprocess: activated carbon, granular

Factypecode: TP

Pwsid: MA3342000 Facid: 11

Facname: BUTTERS ROW WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: particulate removal Trtprocess: coagulation

Factypecode: TP

Pwsid: MA3342000 Facid: 11

Facname: BUTTERS ROW WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: particulate removal Trtprocess: flocculation

Factypecode: TP

Pwsid: MA3342000 Facid: 11

Facname: BUTTERS ROW WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: particulate removal Trtprocess: sedimentation

Factypecode: TP

Pwsid: MA3342000 Facid: 12

Facname: E H SARGENT WATER TREATMENT PLANT
Factype: Treatment_plant Facactivitycode: A

Trobjective: corrosion control Triprocess: ph adjustment

Factypecode: TP

Pwsid: MA3342000 Facid: 12

Facname: E H SARGENT WATER TREATMENT PLANT
Factype: Treatment_plant Facactivitycode: A

Trtobjective: disinfection Trtprocess: gaseous chlorination, post

Factypecode: TP

Pwsid: MA3342000 Facid: 12

Facname: E H SARGENT WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: iron removal Trtprocess: permanganate

Factypecode: TP

Pwsid: MA3342000 Facid: 12

Facname: E H SARGENT WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: iron removal Trtprocess: sedimentation

Factypecode: TP

Pwsid: MA3342000 Facid: 12

Facname: E H SARGENT WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: organics removal Trtprocess: aeration, diffused

Factypecode: TF

Pwsid: MA3342000 Facid: 12

Facname: E H SARGENT WATER TREATMENT PLANT
Factype: Treatment_plant Facactivitycode: A

Trobjective: organics removal Triprocess: activated carbon, granular

Factypecode: TP

Pwsid: MA3342000 Facid: 12

Facname: E H SARGENT WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: particulate removal Trtprocess: coagulation

Factypecode: TP

Pwsid: MA3342000 Facid: 12

Facname: E H SARGENT WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: particulate removal Trtprocess: sedimentation

Factypecode: TP

Pwsid: MA3342000 Facid: 12
Facname: E H SARGENT WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode:

Trtobjective: particulate removal Trtprocess: flocculation

Factypecode: TF

Pwsid: MA3342000 Facid: 12

Facname: E H SARGENT WATER TREATMENT PLANT
Factype: Treatment_plant Facactivitycode:

Trtobjective: particulate removal Trtprocess: filtration, rapid sand

Factypecode: TF

Pwsid: MA3342000 Facid: 12

Facname: E H SARGENT WATER TREATMENT PLANT
Factype: Treatment_plant Facactivitycode:

Trtobjective: taste / odor control Trtprocess: activated carbon, granular

Factypecode: TF

Pwsid: MA3342000 Facid: 12

Facname: E H SARGENT WATER TREATMENT PLANT
Factype: Treatment_plant Facactivitycode: A

Trtobjective: disinfection by-products control

Trtprocess: chloramines Factypecode: TP

Pwsid: MA3342000 Facid: 12

Facname: E H SARGENT WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: disinfection Trtprocess: hypochlorination, post

Factypecode: TP

Pwsid: MA3342000 Facid: 12

Facname: E H SARGENT WATER TREATMENT PLANT

Factype: Treatment_plant Facactivitycode: A

Trtobjective: disinfection Trtprocess: not reported

Factypecode: TP

PWS ID: MA3342000 PWS name: WILMINGTON WATER DEPT

Address: Not Reported Care of: 115 ANDOVER ST - BROWN'S CROSS

City: WILMINGTON State: MA

Zip: 018870000 Owner: WILMINGTON WATER DEPT

Source code: Ground water Population: 20886

PWS ID: MA3342000 PWS type: Mailing

PWS name: WILMINGTON WATER DEPT PWS address: 121 GLEN ROAD

PWS city: WILMINGTON PWS state: MA

PWS zip: 018870000 PWS name: WILMINGTON WATER DEPT

PWS type code: C Retail population served: 22666

Contact: MICHAEL J WOODS Contact address: 121 GLEN ROAD

Contact address: WILMINGTON Contact city: MA

Contact state: 01 Contact zip: 9786584711

Contact telephone: Not Reported

County: MIDDLESEX Source: Ground water

Treatment Objective: CORROSION CONTROL Process: PH ADJUSTMENT, POST

Population: 20886

County: MIDDLESEX Source: Ground water

Treatment Objective: DISINFECTION Process: GASEOUS CHLORINATION, POST

Population: 20886

County: MIDDLESEX Source: Ground water

Treatment Objective: DISINFECTION Process: GASEOUS CHLORINATION, PRE

Α

Population: 20886

County: MIDDLESEX Source: Ground water

Treatment Objective: IRON REMOVAL Process: PERMANGANATE

Population: 20886

County: MIDDLESEX Source: Ground water
Treatment Objective: IRON REMOVAL Process: SEDIMENTATION

Population: 20886

County: MIDDLESEX Source: Ground water

Treatment Objective: ORGANICS REMOVAL Process: ACTIVATED CARBON, GRANULAR

Population: 20886

County: MIDDLESEX Source: Ground water

Treatment Objective: ORGANICS REMOVAL Process: AERATION, DIFFUSED

Population: 20886

County: MIDDLESEX Source: Ground water Treatment Objective: PARTICULATE REMOVAL Process: COAGULATION

Denulation: 20006

Population: 20886

County: MIDDLESEX Source: Ground water

Treatment Objective: PARTICULATE REMOVAL Process: FILTRATION, RAPID SAND

Population: 20886

County: MIDDLESEX Source: Ground water

Treatment Objective: PARTICULATE REMOVAL Process: FLOCCULATION

Population: 20886

County: MIDDLESEX Source: Ground water

Treatment Objective: PARTICULATE REMOVAL Process: SEDIMENTATION

Population: 20886

County: MIDDLESEX Source: Ground water

Treatment Objective: TASTE / ODOR CONTROL Process: ACTIVATED CARBON, GRANULAR

Population: 20886

PWS ID: MA3342000 Activity status: Active

Date system activated: 9003 Date system deactivated: Not Reported

Retail population: 00018000 System name: WILMINGTON WATER DEPT

System address: BROWN'S CROSSING PUMP STATION

System city: WILMINGTON System state: MA

System zip: 018870000

Population served: 10,001 - 50,000 Persons Treatment: Mixed (treated and untreated)

Latitude: 423149 Longitude: 0711008

Latitude: 423200 Longitude: 0710955

Latitude: 423442 Longitude: 0710801

Latitude: 423104 Longitude: 0710959

Latitude: 423302 Longitude: 0711228

Latitude: 423330 Longitude: 0711128

Latitude: 423304 Longitude: 0710941

Latitude: 423158 Longitude: 0710957

Latitude:	423420	Longitude:	0710839
Latitude:	423456	Longitude:	0710843
State:	MA	Latitude degrees:	42
Latitude minutes:	31	Latitude seconds:	49.0000
Longitude degrees:	71	Longitude minutes:	10
Longitude seconds:	8.0000	3	
State:	MA	Latitude degrees:	42
Latitude minutes:	31	Latitude seconds:	49.0000
Longitude degrees:	71	Longitude minutes:	10
Longitude seconds:	11.0000		
State:	MA	Latitude degrees:	42
Latitude minutes:	31	Latitude seconds:	58.0000
Longitude degrees:	71	Longitude minutes:	10
Longitude seconds:	2.0000		
State:	MA	Latitude degrees:	42
Latitude minutes:	32	Latitude seconds:	1.0000
Longitude degrees:	71	Longitude minutes:	9
Longitude seconds:	54.0000		
State:	MA	Latitude degrees:	42
Latitude minutes:	32	Latitude seconds:	5.0000
Longitude degrees:	71	Longitude minutes:	9
Longitude seconds:	44.0000	· ·	
State:	MA	Latitude degrees:	42
Latitude minutes:	33	Latitude seconds:	2.0000
Longitude degrees:	71	Longitude minutes:	12
Longitude seconds:	28.0000		
State:	MA	Latitude degrees:	42
Latitude minutes:	33	Latitude seconds:	31.0000
Longitude degrees:	71	Longitude minutes:	11
Longitude seconds:	29.0000		
State:	MA	Latitude degrees:	42
Latitude minutes:	34	Latitude seconds:	25.0000
Longitude degrees:	71	Longitude minutes:	8
Longitude seconds:	41.0000		
State:	MA	Latitude degrees:	42
Latitude minutes:	34	Latitude seconds:	42.0000
Longitude degrees:	71	Longitude minutes:	8
Longitude seconds:	2.0000		
State:	MA	Latitude degrees:	42
Latitude minutes:	34	Latitude seconds:	56.0000
Longitude degrees:	71	Longitude minutes:	8
Longitude seconds:	52.0000		
Violation id:	03V0001	Orig code:	S
State:	MA	Violation Year:	2002
Contamination code:	1041	Contamination Name:	Nitrite
Violation code:	02	Violation name:	MCL, Average
Rule code:	331	Rule name:	Nitrates
Violation measur:	1.2	Unit of measure:	MG/L
State mcl:	1	Cmp bdt:	10/01/2002
Cmp edt:	12/31/2002		

Violation id:10Orig code:SState:MAViolation Year:2010Contamination code:2976Contamination Name:Vinyl ch

Contamination code: 2976 Contamination Name: Vinyl chloride
Violation code: 03 Violation name: Monitoring, Regular

Rule code: 310 Rule name: VOC
Violation measur: Not Reported Unit of measure: Not Reported
State mcl: Not Reported Cmp bdt: 06/01/2010

State mcl: Not Reported Cmp bdt: Cmp edt: 09/30/2010

Violation id:11Orig code:SState:MAViolation Year:2010

Contamination code: 2989 Contamination Name: CHLOROBENZENE Violation code: 03 Violation name: Monitoring, Regular Rule code: 310 Rule name: VOC

Violation measur:

Not Reported

State mcl:

Not Reported

Cmp bdt:

06/01/2010

Cmp edt:

Violation id:12Orig code:SState:MAViolation Year:2010

Contamination code: 2968 Contamination Name: o-Dichlorobenzene Violation code: Violation name: Monitoring, Regular

Rule code: 310 Rule name: VOC
Violation measur: Not Reported Unit of measure: Not Reported

 State mcl:
 Not Reported
 Cmp bdt:
 06/01/2010

 Cmp edt:
 09/30/2010

Violation id:13Orig code:SState:MAViolation Year:2010

Contamination code: 2979 Contamination Name: trans-1,2-Dichloroethylene Violation code: Violation name: Wonitoring, Regular

Rule code:310Rule name:VOCViolation measur:Not ReportedUnit of measure:Not Reported

Violation measur: Not Reported Unit of measure: Not Reported
State mcl: Not Reported Cmp bdt: 06/01/2010
Cmp edt: 09/30/2010

Violation id:14Orig code:SState:MAViolation Year:2010

Contamination code: 2380 Contamination Name: cis-1,2-Dichloroethylene Violation code: 03 Violation name: Monitoring, Regular Rule code: 310 Rule name: VOC

Violation measur:

Not Reported

State mcl:

Not Reported

Cmp bdt:

O6/01/2010

Cmp edt:

Violation id:15Orig code:SState:MAViolation Year:2010

Contamination code: 2983 Contamination Name: 1,2-Dichloropropane Violation code: 03 Violation name: Monitoring, Regular

Rule code: 310 Rule name: VOC
Violation measur: Not Reported Unit of measure: Not Reported

 State mcl:
 Not Reported
 Cmp bdt:
 06/01/2010

 Cmp edt:
 09/30/2010

Violation id:16Orig code:SState:MAViolation Year:2010

Contamination code: 2992 Contamination Name: Ethylbenzene
Violation code: 03 Violation name: Monitoring, Regular

Rule code: 310 Rule name: VOC
Violation measur: Not Reported Unit of measure: Not Reported
State mcl: Cmp bdt: 06/01/2010

 State mcl:
 Not Reported
 Cmp bdt:
 06/01/2010

 Cmp edt:
 09/30/2010

Violation id:17Orig code:SState:MAViolation Year:2010Contamination code:2996Contamination Name:Styrene

Violation code:03Violation name:Monitoring, RegularRule code:310Rule name:VOC

Rule code:310Rule name:VOCViolation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:06/01/2010Cmp edt:09/30/2010

Violation id:18Orig code:SState:MAViolation Year:2010

Contamination code:2987Contamination Name:TetrachloroethyleneViolation code:03Violation name:Monitoring, RegularRule code:310Rule name:VOC

Violation measur:

Not Reported

State mcl:

Not Reported

Cmp bdt:

O6/01/2010

Cmp edt:

Violation id:19Orig code:SState:MAViolation Year:2010Contamination code:2991Contamination Name:Toluene

Violation code: 03 Violation name: Monitoring, Regular

Rule code: 310 Rule name: VOC

Violation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:06/01/2010Cmp edt:09/30/2010

Violation id:2Orig code:SState:MAViolation Year:2007Contamination code:1041Contamination Name:Nitrite

Violation code: 03 Violation name: Monitoring, Regular

Rule code:331Rule name:NitratesViolation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:07/01/2007Cmp edt:09/30/2007

Violation id:20Orig code:SState:MAViolation Year:2010

Contamination code: 2969 Contamination Name: p-Dichlorobenzene Violation code: Violation name: Monitoring, Regular

Rule code:310Rule name:VOCViolation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:06/01/2010

Violation id:21Orig code:SState:MAViolation Year:2010

09/30/2010

Cmp edt:

Contamination code: 2955 Contamination Name: Xylenes, Total Violation code: 03 Violation name: Monitoring, Regular

Rule code: 310 Rule name: VOC

Violation measur: Not Reported Unit of measure: Not Reported State mcl: Not Reported Cmp bdt: 06/01/2010 Cmp edt: 09/30/2010

Violation id:22Orig code:SState:MAViolation Year:2010

Contamination code: 2964 Contamination Name: DICHLOROMETHANE Violation code: 03 Violation name: Monitoring, Regular

Rule code: 310 Rule name: VOC

Violation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:06/01/2010Cmp edt:09/30/2010

Violation id:23Orig code:SState:MAViolation Year:2010Contamination code:2962Contamination Name:p-Xylene

Violation code:03Violation name:Monitoring, RegularRule code:500Rule name:Not RegulatedViolation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:06/01/2010

State mcl: Not Reported Cmp edt: 09/30/2010

Violation id:24Orig code:SState:MAViolation Year:2010

Contamination code: 2985 Contamination Name: 1,1,2-Trichloroethane
Violation code: 03 Violation name: Monitoring, Regular
Rule code: 310 Rule name: VOC

Violation measur:

Not Reported

State mcl:

Not Reported

Cmp bdt:

06/01/2010

Cmp edt:

09/30/2010

Violation id:25Orig code:SState:MAViolation Year:2010

Contamination code: 2251 Contamination Name: METHYL TERT-BUTYL ETHER

Violation code:03Violation name:Monitoring, RegularRule code:500Rule name:Not RegulatedViolation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:06/01/2010

State mcl: Not Reported Cmp edt: 09/30/2010

Violation id:26Orig code:SState:MAViolation Year:2010

Contamination code: 2378 Contamination Name: 1,2,4-Trichlorobenzene Violation code: 03 Violation name: Monitoring, Regular

Rule code:310Rule name:VOCViolation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:06/01/2010

State mcl: Not Reported Cmp edt: 09/30/2010

Violation id:27Orig code:SState:MAViolation Year:2010Contamination code:1039Contamination Name:Perchlorate

Violation code: 03 Violation name: Monitoring, Regular Rule code: 500 Rule name: Not Regulated Violation measur: Not Reported Unit of measure: Not Reported

State mcl: Not Reported Cmp bdt: 06/01/2010
Cmp edt: 09/30/2010

Violation id:28Orig code:SState:MAViolation Year:2013

Contamination code: 5000 Contamination Name: Lead and Copper Rule
Violation code: 52 Violation name: Follow-up Or Routine LCR Tap M/R

Rule code: 350 Rule name: LCR

Violation measur:

Not Reported

State mcl:

Not Reported

Cmp bdt:

CMRUIE name:

LCR

Not Reported

O1/01/2013

Cmp edt: Not Reported

Violation id:3Orig code:SState:MAViolation Year:2008

Contamination code: 3100 Contamination Name: Coliform (TCR)

Violation code: 23 Violation name: Monitoring, Routine Major (TCR)

Rule code: 110 Rule name: TCF

Violation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:10/01/2008Cmp edt:10/31/2008

Violation id:4Orig code:SState:MAViolation Year:2010Contamination code:2990Contamination Name:Benzene

Violation code: 03 Violation name: Monitoring, Regular

Rule code:310Rule name:VOCViolation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:06/01/2010Cmp edt:09/30/2010

Violation id:5Orig code:SState:MAViolation Year:2010

Contamination code:2982Contamination Name:Carbon tetrachlorideViolation code:03Violation name:Monitoring, RegularRule code:310Rule name:VOC

Rule code:310Rule name:VOCViolation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:06/01/2010Cmp edt:09/30/2010

Violation id:6Orig code:SState:MAViolation Year:2010

Contamination code: 2977 Contamination Name: 1,1-Dichloroethylene Violation code: 03 Violation name: Monitoring, Regular

Rule code: 310 Rule name: VOC
Violation measur: Not Reported Unit of measure: Not Reported

State mcl: Not Reported Unit of measure: Not Reported

Cmp bdt: 06/01/2010

Cmp edt: 09/30/2010

Violation id:7Orig code:SState:MAViolation Year:2010

Contamination code: 2980 Contamination Name: 1,2-Dichloroethane Violation code: 03 Violation name: Monitoring, Regular

Rule code: 310 Rule name: VOC
Violation measur: Not Reported Unit of measure: Not Reported

State mcl: Not Reported Cmp bdt: 06/01/2010
Cmp edt: 09/30/2010

Violation id:8Orig code:SState:MAViolation Year:2010

Contamination code: 2984 Contamination Name: Trichloroethylene
Violation code: 03 Violation name: Monitoring, Regular
Rule code: 310 Rule name: VOC

Violation measur:

Not Reported

State mcl:

Not Reported

Cmp bdt:

06/01/2010

Cmp edt:

Violation id:9Orig code:SState:MAViolation Year:2010

Contamination code: 2981 Contamination Name: 1,1,1-Trichloroethane Violation code: 03 Violation name: Monitoring, Regular

Rule code:310Rule name:VOCViolation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:06/01/2010

State mcl: Not Reported Cmp bdt: Cmp edt: 09/30/2010

Violation ID: 03V0001 Orig Code: S

Enforcement FY: 2003 Enforcement Action: 10/24/2002

Enforcement Detail: St AO (w/o penalty) issued

Violation ID: 10 Orig Code: S

Formal

Enforcement Category:

Enforcemnt FY: 2011 Enforcement Action: 11/09/2010

Enforcement Detail: St AO (w/o penalty) issued

Enforcement Category: Formal

Violation ID: 11 Orig Code:

Enforcement Action: 11/09/2010 Enforcemnt FY: 2011

Enforcement Detail: St AO (w/o penalty) issued **Enforcement Category:** Formal

Violation ID: 12 Orig Code: 2011

11/09/2010 Enforcemnt FY: **Enforcement Action:** Enforcement Detail: St AO (w/o penalty) issued

Enforcement Category: Formal

Enforcement Category:

Enforcement Category:

Enforcement Category:

Enforcement Category:

Enforcement Category:

Violation ID: 13 Orig Code:

2011 11/09/2010 Enforcemnt FY: **Enforcement Action:**

Enforcement Detail: St AO (w/o penalty) issued **Enforcement Category:** Formal

Violation ID: 14 Orig Code: 2011 Enforcemnt FY: **Enforcement Action:** 11/09/2010

Enforcement Detail: St AO (w/o penalty) issued

Enforcement Category: Formal

Violation ID: 15 Orig Code:

Enforcement Action: 2011 11/09/2010 Enforcemnt FY:

Enforcement Detail: St AO (w/o penalty) issued

Violation ID: 16

Orig Code: Enforcemnt FY: 2011 **Enforcement Action:** 11/09/2010

St AO (w/o penalty) issued **Enforcement Detail:**

Enforcement Category: Formal

Violation ID: Orig Code: 17 S

Enforcemnt FY: 2011 Enforcement Action: 11/09/2010

Enforcement Detail: St AO (w/o penalty) issued **Enforcement Category:** Formal

Violation ID: 18 Orig Code:

11/09/2010 Enforcemnt FY: 2011 **Enforcement Action:**

Enforcement Detail: St AO (w/o penalty) issued

Formal

Formal

Formal

Violation ID: 19 Orig Code:

11/09/2010 Enforcemnt FY: 2011 **Enforcement Action:**

Enforcement Detail: St AO (w/o penalty) issued **Enforcement Category:** Formal

Violation ID: 2 Orig Code: S

10/23/2007 Enforcemnt FY: 2008 **Enforcement Action:**

Enforcement Detail: St AO (w/o penalty) issued Formal

Violation ID: 20 Orig Code:

Enforcemnt FY: 2011 **Enforcement Action:** 11/09/2010

Enforcement Detail: St AO (w/o penalty) issued

Violation ID: 21 Orig Code:

Enforcemnt FY: 2011 **Enforcement Action:** 11/09/2010

St AO (w/o penalty) issued Enforcement Detail:

Violation ID: 22 Orig Code: Enforcemnt FY: 2011 **Enforcement Action:** 11/09/2010 St AO (w/o penalty) issued **Enforcement Detail: Enforcement Category:** Formal Violation ID: 23 Orig Code: Enforcement Action: Enforcemnt FY: 2011 11/09/2010 **Enforcement Detail:** St AO (w/o penalty) issued **Enforcement Category:** Formal Violation ID: 24 Orig Code: Enforcemnt FY: 2011 **Enforcement Action:** 11/09/2010 **Enforcement Detail:** St AO (w/o penalty) issued **Enforcement Category: Formal** Violation ID: 25 Orig Code: 11/09/2010 Enforcemnt FY: 2011 **Enforcement Action:** St AO (w/o penalty) issued **Enforcement Detail: Enforcement Category: Formal** Violation ID: 26 Orig Code: Enforcemnt FY: 2011 **Enforcement Action:** 11/09/2010 **Enforcement Detail:** St AO (w/o penalty) issued **Enforcement Category:** Formal Violation ID: 27 Orig Code: 2011 11/09/2010 Enforcemnt FY: **Enforcement Action: Enforcement Detail:** St AO (w/o penalty) issued **Enforcement Category:** Formal Violation ID: 3 Orig Code: 12/05/2008 Enforcemnt FY: 2009 **Enforcement Action:** Enforcement Detail: St AO (w/o penalty) issued **Enforcement Category:** Formal Violation ID: Orig Code: Enforcemnt FY: 2011 11/09/2010 **Enforcement Action:** St AO (w/o penalty) issued **Enforcement Detail: Enforcement Category:** Formal Violation ID: 5 Orig Code: 2011 11/09/2010 Enforcemnt FY: **Enforcement Action: Enforcement Detail:** St AO (w/o penalty) issued **Enforcement Category:** Formal Violation ID: Orig Code: Enforcemnt FY: 11/09/2010 2011 **Enforcement Action: Enforcement Detail:** St AO (w/o penalty) issued **Enforcement Category:** Formal Violation ID: 7 Orig Code: Enforcemnt FY: 11/09/2010 2011 **Enforcement Action: Enforcement Detail:** St AO (w/o penalty) issued Formal **Enforcement Category:** Violation ID: 8 Orig Code: Enforcement Action: 2011 11/09/2010 Enforcemnt FY: **Enforcement Detail:** St AO (w/o penalty) issued **Enforcement Category:** Formal Violation ID: Orig Code:

Enforcemnt FY:

2011

11/09/2010

Enforcement Action:

St AO (w/o penalty) issued **Enforcement Detail:**

Enforcement Category:

Enforcement Category:

Violation measurement:

Violation ID: Orig Code: Not Reported 09/25/2002

Enforcemnt FY: 2002 **Enforcement Action:**

Enforcement Detail: St AO (w/o penalty) issued

Enforcement Category: Not Reported

Violation ID: Not Reported Orig Code:

07/28/2009 Enforcemnt FY: **Enforcement Action:** 2009

Enforcement Detail: St AO (w/o penalty) issued **Enforcement Category:** Not Reported

Violation ID: Not Reported Orig Code: S

Enforcemnt FY: **Enforcement Action:** 08/16/2004 2004

Enforcement Detail: St AO (w/o penalty) issued

Enforcement Category: Not Reported

Violation ID: Not Reported Orig Code:

Enforcemnt FY: 2007 **Enforcement Action:** 05/02/2007

St AO (w/o penalty) issued **Enforcement Detail: Enforcement Category:** Not Reported

Violation ID: Not Reported Orig Code:

Enforcemnt FY: **Enforcement Action:** 05/06/2008 2008

Enforcement Detail: St AO (w/o penalty) issued

Not Reported

Not Reported

PWS name: WILMINGTON WATER DEPT Population served: 22666 03V0001 PWS type code: С Violation ID: Contaminant: **NITRITE** Violation type:

Compliance start date: 10/1/2002 0:00:00 Compliance end date: 12/31/2002 0:00:00 State BCA Signed

10/24/2002 0:00:00 Enforcement date: Enforcement action: Violation measurement:

WILMINGTON WATER DEPT PWS name: Population served: 22666 2 PWS type code: С Violation ID:

NITRITE Contaminant: Violation type: 7/1/2007 0:00:00 9/30/2007 0:00:00 Compliance start date: Compliance end date: Enforcement date: 10/23/2007 0:00:00 Enforcement action: State Formal NOV Issued

WILMINGTON WATER DEPT PWS name: Population served: 22666

PWS type code: Violation ID:

Contaminant: COLIFORM (TCR) Violation type: Monitoring, Routine Major (TCR) Compliance start date: 10/1/2008 0:00:00 Compliance end date: 10/31/2008 0:00:00

12/5/2008 0:00:00 Enforcement action: State Formal NOV Issued Enforcement date: Not Reported Violation measurement:

PWS name: WILMINGTON WATER DEPT Population served: 22666

94V0002 PWS type code: Violation ID: LEAD & COPPER RULE **OCCT Study Recommendation** Contaminant: Violation type:

Compliance start date: 7/1/1993 0:00:00 Compliance end date: 12/31/2025 0:00:00

No Enf Action as of Enforcement action: 7/8/2009 0:00:00 Enforcement date: Violation measurement:

AREA RADON INFORMATION

State Database: MA Radon

Radon Test Results

County % of sites>4 pCi/L Median ———

MIDDLESEX 26 2.2

Federal EPA Radon Zone for MIDDLESEX 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: 01803

Number of sites tested: 8

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 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported

Basement 2.575 pCi/L 88% 12%

0%

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, 2010 and 2015 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.

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.

DEP Approved Zone IIs

Telephone:

The Department of Environmental Protection (DEP) approved Zone IIs datalayer was compiled by the DEP Division of Water Supply (DWS). The database contains 281 approved Zone IIs statewide. As stated in 310 CMR 22.02, a Zone II is 'that area of an aquifer which contributes water to a well under the most severe pumping and recharge conditions that can be realistically anticipated (180 days of pumping at safe yield, with no recharge from precipitation.) It is bounded by the groundwater divides which result from pumping the well and by the contact of the aquifer with less permeable materials such as till or bedrock. In some cases, streams or lakes may act as recharge boundaries. In all cases, Zone IIs shall extend up gradient to its point of intersection with prevailing hydrogeologic boundaries (a groundwater flow divide, a contact with till or bedrock, or a recharge boundary).' These data are used in association with the Public Water Supplies datalayer. The following describes certain unique features of this association.\n - Any proposed new well which will pump at least 100,000 gallons per day must have a Zone II delineation completed and approved by DEP prior to the well coming on line. \n - Additionally, a new source may not be on-line yet, but other, older wells may fall within its Zone II boundary.\n - Further, existing wells must have a Zone II delineated as a condition of receiving a water withdrawal permit under the Water Management Act.

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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APPENDIX G

ENVIRONMENTAL DATA RESOURCES, INC. (EDR) VAPOR ENCROACHMENT REPORT DATED APRIL 18, 2023



Fox Hill Elementary School

252 Fox Hill Road Burlington, MA 01803

Inquiry Number: 7295798.2s

April 18, 2023

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

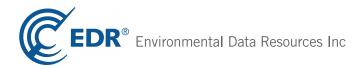


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Map Findings	4
Record Sources and Currency	GR-1

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

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The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

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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
Lists of Federal NPL (Superfund) sites	1.0	0	0	0
Lists of Federal Delisted NPL sites	1.0	0	0	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders	0.5	0	0	0
Lists of Federal CERCLA sites with NFRAP	0.5	0	0	0
Lists of Federal RCRA facilities undergoing Corrective Action	1.0	0	0	0
Lists of Federal RCRA TSD facilities	0.5	0	0	0
Lists of Federal RCRA generators	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	property	0	-	-
Lists of state- and tribal (Superfund) equivalent sites	not searched	-	-	-
Lists of state- and tribal hazardous waste facilities	1.0	0	0	0
Lists of state and tribal landfills and solid waste disposal facilities	0.5	0	0	0
Lists of state and tribal leaking storage tanks	0.5	0	0	0
Lists of state and tribal registered storage tanks	0.25	0	0	0
State and tribal institutional control / engineering control registries	0.5	0	0	0
Lists of state and tribal voluntary cleanup sites	0.5	0	0	0
Lists of state and tribal brownfield 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	property	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	-	-	

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.

TARGET PROPERTY INFORMATION

ADDRESS

FOX HILL ELEMENTARY SCHOOL 252 FOX HILL ROAD BURLINGTON, MA 01803

COORDINATES

Latitude (North): 42.529052 - 42° 31′ 44.589844″ Longitude (West): 71.188461 - 71° 11′ 18.460693″ Elevation: 173 ft. above sea level

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

SEARCH RESULTS

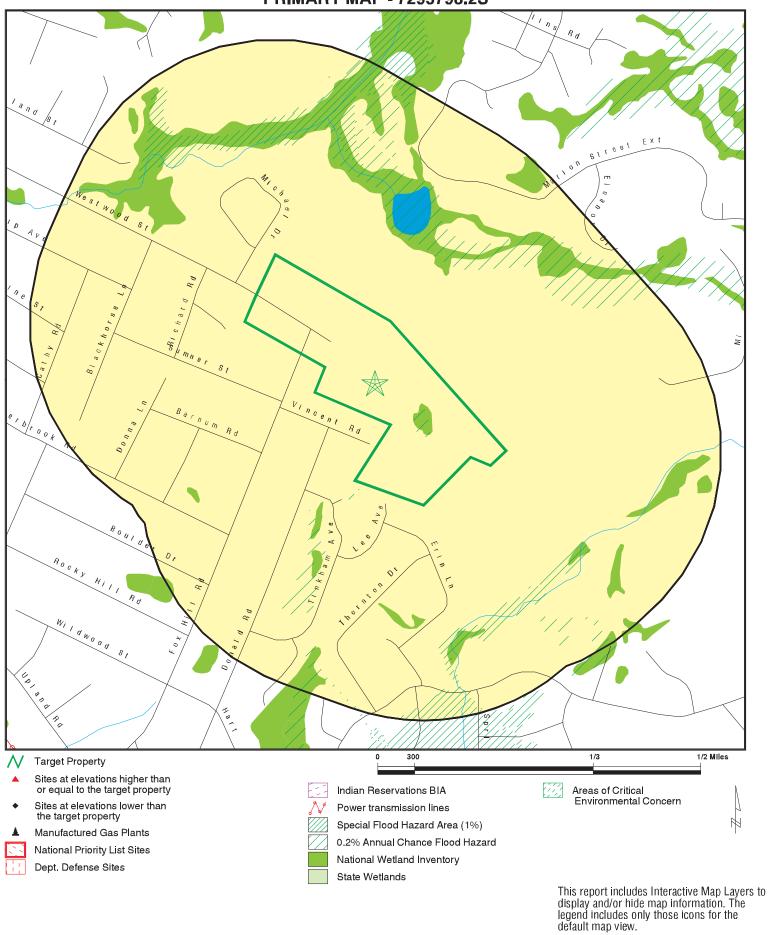
Not Reported

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

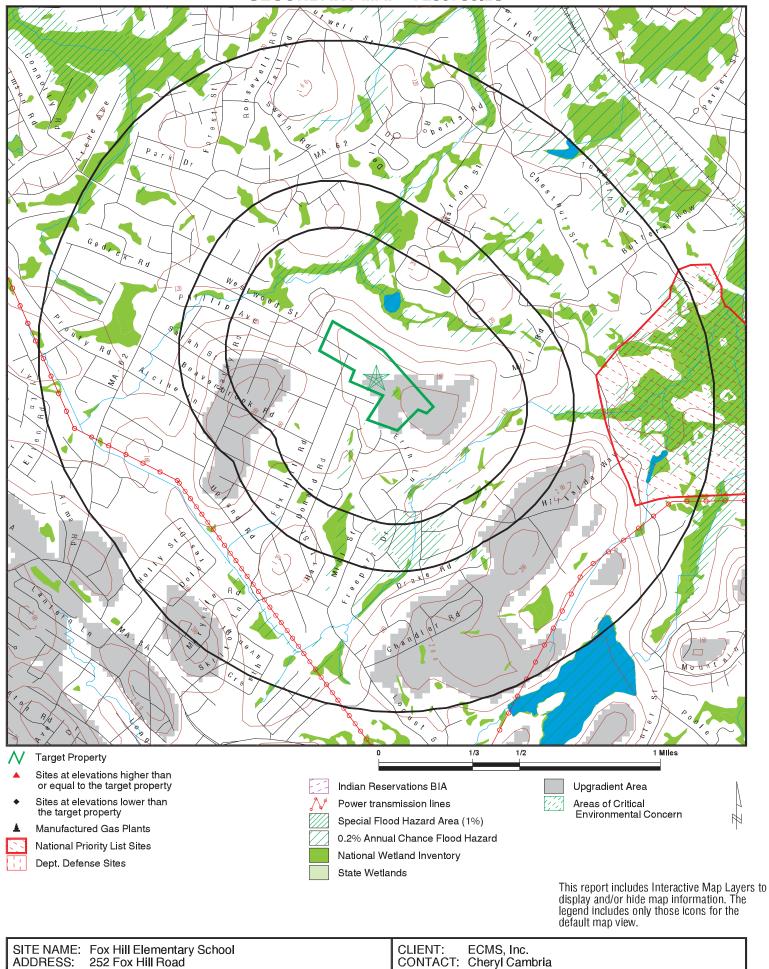
PRIMARY MAP - 7295798.2S



SITE NAME: Fox Hill Elementary School
ADDRESS: 252 Fox Hill Road
Burlington MA 01803
LAT/LONG: 42.529052 / 71.188461

CLIENT: ECMS, Inc.
CONTACT: Cheryl Cambria
INQUIRY #: 7295798.2s
DATE: March 31, 2023 2:57 pm

SECONDARY MAP - 7295798.2S



SITE NAME: Fox Hill Elementary School

252 Fox Hill Road Burlington MA 01803

42.529052 / 71.188461

ADDRESS:

LAT/LONG:

March 31, 2023 2:57 pm Copyright © 2023 EDR, Inc. © 2015 TomTom Rel. 2015.

7295798.2s

INQUIRY #:

DATE:

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.			

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

St Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date			
ENVIRONMENTAL RECORDS								
Federal NPL site list US NPL US Proposed NPL US NPL LIENS	National Priority List Proposed National Priority List Sites Federal Superfund Liens	EPA EPA EPA	01/25/2023 01/25/2023 10/15/1991	02/03/2023 02/02/2023 02/02/1994	02/28/2023 02/28/2023 03/30/1994			
Federal CERCLIS list US SEMS	Superfund Enterprise Management System	EPA	01/25/2023	02/02/2023	02/28/2023			
Federal RCRA CORRACTS facilities In US CORRACTS	ist Corrective Action Report	EPA	03/06/2023	03/09/2023	03/20/2023			
Federal RCRA TSD facilities list US RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023			
Federal RCRA generators list US RCRA-LQG US RCRA-SQG US RCRA-VSQG	RCRA - Large Quantity Generators RCRA - Small Quantity Generators RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency Environmental Protection Agency Environmental Protection Agency	03/06/2023 03/06/2023 03/06/2023	03/09/2023 03/09/2023 03/09/2023	03/20/2023 03/20/2023 03/20/2023			
Federal institutional controls / engine US LUCIS US US ENG CONTROLS US US INST CONTROLS	Land Use Control Information System Engineering Controls Sites List Institutional Controls Sites List	Department of the Navy Environmental Protection Agency Environmental Protection Agency	11/02/2022 10/27/2022 10/27/2022	11/16/2022	01/10/2023 02/09/2023 02/09/2023			
Federal ERNS list US ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/12/2022	12/14/2022	12/19/2022			
State and tribal - equivalent CERCLIS MA SHWS	Site Transition List	Department of Environmental Protection	01/08/2023	01/19/2023	03/21/2023			
State and tribal landfill / solid waste of MA SWF/LF MA LF PROFILES	lisposal Solid Waste Facility Database/Transfer Stations Landfill Profiles Listing	Department of Environmental Protection Department of Environmental Protection	05/02/2022 07/01/2015	05/03/2022 10/27/2015	07/22/2022 12/14/2015			
State and tribal leaking storage tank if MA LUST MA LAST US INDIAN LUST R1 US INDIAN LUST R4 US INDIAN LUST R8 US INDIAN LUST R9 US INDIAN LUST R5 US INDIAN LUST R6 US INDIAN LUST R6 US INDIAN LUST R10	Leaking Underground Storage Tank Listing Leaking Aboveground Storage Tank Sites Leaking Underground Storage Tanks on Indian Land Leaking Underground Storage Tanks on Indian Land Leaking Underground Storage Tanks on Indian Land Leaking Underground Storage Tanks on Indian Land Leaking Underground Storage Tanks on Indian Land Leaking Underground Storage Tanks on Indian Land Leaking Underground Storage Tanks on Indian Land Leaking Underground Storage Tanks on Indian Land	Department of Environmental Protection Department of Environmental Protection EPA Region 1 EPA Region 4 EPA Region 8 Environmental Protection Agency EPA, Region 5 EPA Region 6 EPA Region 10	01/08/2023 01/08/2023 10/19/2022 11/26/2022 11/23/2022 11/23/2022 10/14/2022 11/23/2022 04/20/2022	01/19/2023 01/19/2023 12/06/2022 12/06/2022 12/06/2022 12/06/2022 12/06/2022 12/06/2022 06/13/2022	03/21/2023 03/21/2023 03/03/2023 03/03/2023 03/03/2023 03/03/2023 03/03/2023 03/03/2023 08/16/2022			

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/14/2022	12/06/2022	03/03/2023
	te and tribal registered storage tan					
MA		Summary Listing of all the Tanks Registered in the State of	Department of Fire Services, Office of the Pu	01/11/2023	01/12/2023	03/06/2023
MA	-	Aboveground Storage Tank Database	Department of Public Safety	12/16/2022	01/10/2023	03/06/2023
MA		Aboveground Storage Tanks	Department of Fire Services	01/09/2023	01/12/2023	03/30/2023
US		Underground Storage Tanks on Indian Land	EPA Region 10	04/20/2022	06/13/2022	08/16/2022
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/14/2022	12/06/2022	03/03/2023
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/19/2022	12/06/2022	03/03/2023
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/14/2022	12/06/2022	03/03/2023
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	11/23/2022	12/06/2022	03/03/2023
US	FEMA UST	Underground Storage Tank Listing	FEMA	10/14/2021	11/05/2021	02/01/2022
٠.						
	te and tribal institutional control /		Description of Engineering to Description	04/00/0000	04/40/0000	00/04/0000
WA	INST CONTROL	Sites With Activity and Use Limitation	Department of Environmental Protection	01/08/2023	01/19/2023	03/21/2023
Sta	te and tribal voluntary cleanup site	ne .				
US		Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	_	Voluntary Cleanup Priority Listing Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
03	INDIAN VOI IXI	Voluntary Gleanup i nonty Listing	LI A, Region i	07/27/2013	09/29/2013	02/10/2010
Sta	te and tribal Brownfields sites					
MA	BROWNFIELDS 2	Potential Brownfields Listing	Department of Environmental Protection	12/03/2019	01/29/2021	04/21/2021
MA	BROWNFIELDS	Completed Brownfields Covenants Listing	Office of the Attorney General	04/05/2017	08/03/2017	10/10/2017
Oth	er Records					
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	09/30/2022	10/21/2022	01/10/2023
US	_	Records Of Decision	EPA	01/25/2023	02/02/2023	02/28/2023
US	_	CERCLA Lien Information	Environmental Protection Agency	01/25/2023	02/02/2023	02/28/2023
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US		Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (EPA	10/12/2016	10/26/2016	02/03/2017
US		EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	_	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US		Lead Smelter Sites	Environmental Protection Agency	01/25/2023	02/02/2023	02/28/2023
US		Financial Assurance Information	Environmental Protection Agency	12/13/2022	12/14/2022	03/10/2023
US		2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US		National Clandestine Laboratory Register	Drug Enforcement Administration	01/06/2023	02/02/2023	02/10/2023
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	07/26/2021	07/27/2021	10/22/2021
US		Steam-Electric Plant Operation Data	Department of Energy	12/31/2020	11/30/2021	02/22/2022
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	Delisted NPL	National Priority List Deletions	EPA	01/25/2023	02/02/2023	02/28/2023
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	01/25/2023	02/02/2023	02/28/2023

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	03/06/2023	03/09/2023	03/20/2023
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/13/2022	12/14/2022	03/10/2023
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	01/06/2023	02/02/2023	02/10/2023
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	02/23/2022	03/10/2022	03/10/2022
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
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	11/01/2022	11/10/2022	02/09/2023
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	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	11/07/2022	11/17/2022	02/10/2023
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	02/27/2023	03/01/2023	03/24/2023
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	10/27/2022	11/01/2022	11/15/2022
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2021	11/01/2022	02/09/2023
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
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	10/17/2022	10/18/2022	01/10/2023
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	01/20/2022	01/20/2022	03/25/2022
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	10/26/2022	11/22/2022	12/05/2022
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	02/02/2023	02/28/2023	03/24/2023
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	04/27/2022	05/04/2022	05/10/2022
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
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	12/20/2022	12/20/2022	03/10/2023
MA	AIRS	Permitted Facilities Listing	Department of Interior Department of Environmental Protection	01/12/2023	01/13/2023	03/30/2023
MA	ASBESTOS	Asbestos Notification Listing	Department of Environmental Protection	11/16/2022	11/17/2022	02/13/2023
MA	DRYCLEANERS	Regulated Drycleaning Facilities	Department of Environmental Protection	12/07/2022	12/13/2022	01/12/2023
MA	ENFORCEMENT	Enforcement Action Cases	Department of Environmental Quality	01/09/2023	01/10/2023	01/12/2023
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	01/11/2023	01/12/2023	03/06/2023
MA	Financial Assurance 3	Financial Assurance Information Listing	Department of Environmental Protection	10/24/2022	01/12/2023	03/07/2023
	GWDP	Ground Water Discharge Permits	MassGIS	12/29/2021	01/12/2023	04/18/2022
MA		List of Massachusetts Hazardous Waste Generators	Department of Environmental Protection	11/18/2022	12/14/2022	03/06/2023
	LIENS	Liens Information Listing	Department of Environmental Protection	03/07/2018	03/09/2018	06/21/2018
MA		Historical Spill List	Department of Environmental Protection Department of Environmental Protection	03/07/2018	12/03/2003	12/31/2003
	MERCURY	•	•	09/30/1993	09/26/2022	
IVIA	WERGURT	Mercury Product Recyling Drop-Off Locations Listing	Department of Environmental Protection	09/20/2022	09/20/2022	12/03/2022

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
MA	NPDES	NPDES Permit Listing	Department of Environmental Protection	12/16/2022	02/07/2023	02/14/2023
MA	RELEASE	Reportable Releases	Department of Environmental Protection	01/08/2023	01/19/2023	03/21/2023
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	12/31/2019	07/19/2021	08/17/2021
MA	TSD	TSD Facility	Department of Environmental Protection	11/18/2022	12/14/2022	03/06/2023
MA	UIC	Underground Injection Control Listing	Department of Environmental Protection	03/10/2022	03/15/2022	06/10/2022
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	11/10/2022	11/10/2022	02/09/2023
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	02/23/2022	03/31/2022	11/08/2022
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	08/22/2018	10/26/2022	11/08/2022
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	08/22/2018	03/31/2022	11/08/2022
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
MA	PFAS	PFAS Contaminated Sites Listing	Department of Environmental Protection	12/09/2022	12/12/2022	03/06/2023
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	02/23/2022	03/31/2022	11/08/2022
US	UXO	Unexploded Ordnance Sites	Department of Defense	11/09/2021	10/20/2022	01/10/2023
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	12/20/2022	12/21/2022	03/10/2023
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	03/07/2023	03/07/2023	03/24/2023
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	09/25/2022	09/30/2022	12/22/2022
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	02/23/2022	07/08/2022	11/08/2022
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
HIS	TORICAL 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 H

ASTM 1527-13 USER QUESTIONNAIRE



ASTM E1527-13 USER QUESTIONNAIRE

When the "user" (the party for whom the assessment is being prepared) of the Phase I is required to help the environmental professional identify recognized environmental conditions at the property, a "User Questionnaire" is completed by the user to help gather information that may identify recognized environmental conditions at the property.

We ask that you answer the six questions below to the best of your knowledge. We understand that, in some circumstances, you may have little or no information. Still, we encourage you to complete and return the questionnaire as soon as possible. This will allow us to reflect the fact that the Questionnaire was completed when we issue our report as is required. Completion of the assessment to the new standard, when conducted in connection with the asset purchase of a real property, may entitle the user to certain federal liability protections that result from conducting "All Appropriate Inquiries" into the previous ownership and uses of a property.

On the second page of this form is a list of documentation. The E1527-13 Standard requires that the User will ensure that the consultant is made aware that any of these materials exist for a site, and if so, that these documents be provided for the consultant's review. Please indicate whether any of these documents are available, and ensure that Environmental Services Company will either receive copies or be provided an opportunity to review the relevant materials.

We appreciate your assistance. If you have any questions, feel free to contact us.

- Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

 No
- 2. Are you aware of any Activity and Use Limitations (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?
- 3. As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?
- 4. Does the purchase price/loan amount for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

 Yes
- 5. 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? (b.) Do you know of specific chemicals that are present or once were present at the property? (c.) Do you know of spills or other chemical releases that have taken place at the property? (d.) Do you know of any environmental cleanups that have taken place at the property?

 All No
- 6. 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?

ASTM E1527-13 USER QUESTIONNAIRE

As part of this study, which of the following are you providing?

1.	Previous environmental site assessment reports o Yes o No				
2.	Environmental compliance audit reports o Yes o No				
3.	Environmental permits (including but not limited to solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits) o Yes o No				
4.	Registrations for underground and aboveground storage tanks o Yes o No				
5.	Registrations for underground injection systems o Yes o No				
6.	Material safety data sheets o Yes o No				
7.	Community Right-to-Know plan o Yes o No				
8.	Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans; etc. $$ o Yes $$ o No				
9.	Reports regarding hydrogeologic conditions on the property or surrounding area o Yes o No				
10.	Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property o Yes o No				
11.	Hazardous waste generator notices or reports o Yes o No				
12.	Geotechnical studies o Yes o No				
13.	Risk assessments o Yes o No				
14.	Recorded Activity and Use Limitations (AULs). o Yes o No				
Ple	ase contact us if you have any questions regarding these ASTM requirements.				
Please Return to Environmental & Construction Management Services, Inc. via email to kevin.kavanaugh@ecmsinc.com					
Coı	mpleted by:				
Sig	nature:				
Titl	e:				
Coı	mpany:				
	ationship to site . lender, purchaser,owner):				
Dat	re:				