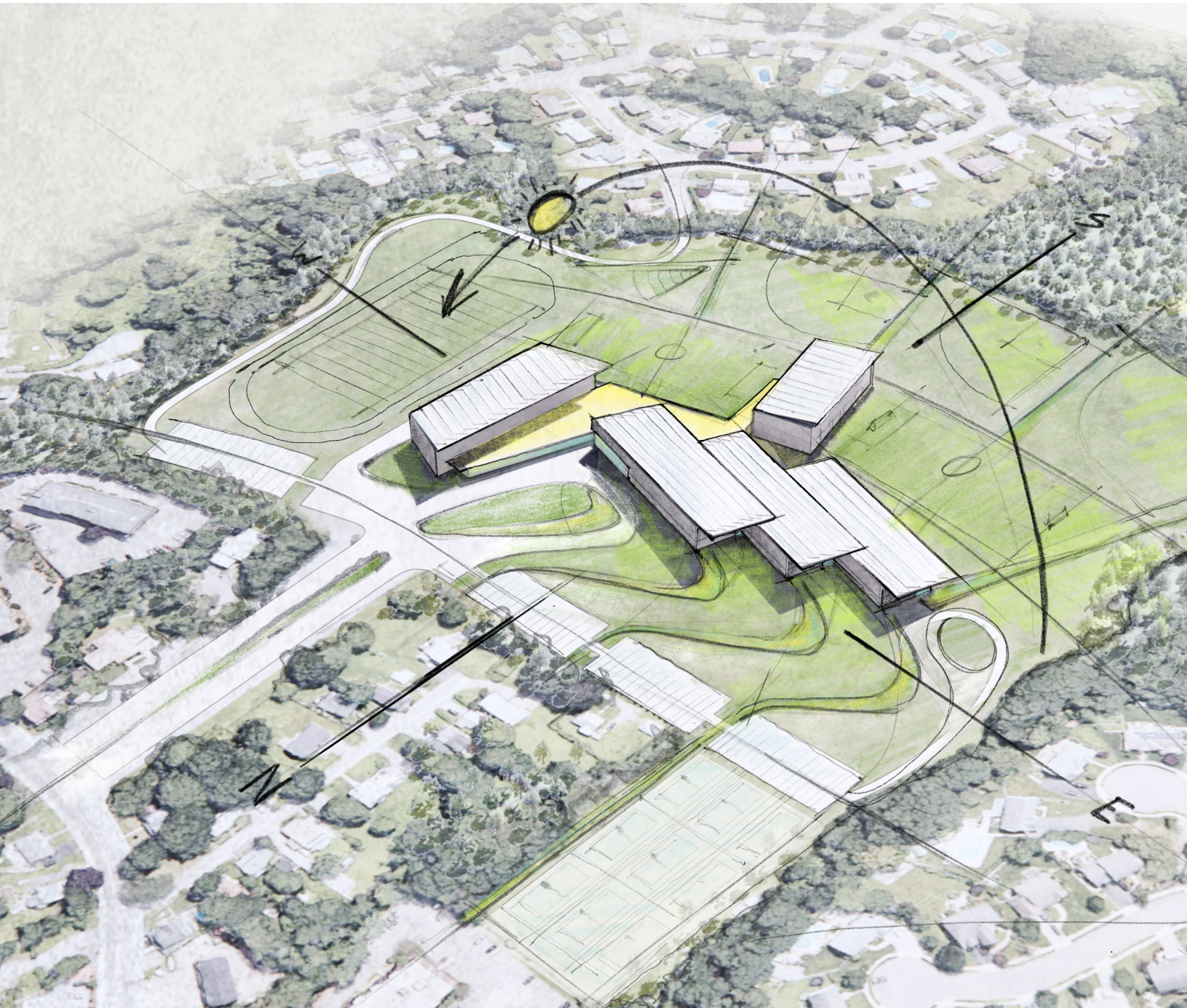
Perkins&Will

STONEHAM HIGH SCHOOL

MODULE 3:
PRELIMINARY DESIGN PROGRAM
VOLUME II

October 6, 2020



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A. STATEMENT OF INTENT (SOI)

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Massachusetts School Building Authority

Next Steps to Finalize Submission of your FY 2018 Statement of Interest

Thank you for submitting your FY 2018 Statement of Interest (SOI) to the MSBA electronically. **Please note, the District's submission is not yet complete**. The District is required to mail all required supporting documentation, which is described below.

VOTES: Each SOI must be submitted with the proper vote documentation. This means that (1) the required governing bodies have voted to submit each SOI, (2) the specific vote language required by the MSBA has been used, and (3) the District has submitted a record of the vote in the format required by the MSBA.

- **School Committee Vote:** Submittal of all SOIs must be approved by a vote of the School Committee.
  - For documentation of the vote of the School Committee, Minutes of the School Committee meeting at which the vote was taken must be submitted with the original signature of the Committee Chairperson. The Minutes must contain the actual text of the vote taken which should be substantially the same as the MSBA's SOI vote language.
- **Municipal Body Vote:** SOIs that are submitted by cities and towns must be approved by a vote of the appropriate municipal body (e.g., City Council/ Aldermen/Board of Selectmen) in addition to a vote of the School Committee.
  - Regional School Districts do not need to submit a vote of the municipal body.
  - For the vote of the municipal governing body, a copy of the text of the vote, which shall be substantially the same as the MSBA's SOI vote language, must be submitted with a certification of the City/Town Clerk that the vote was taken and duly recorded, and the date of the vote must be provided.

ADDITIONAL DOCUMENTATION FOR SOI PRIORITIES #1 AND #3: If a District selects Priority #1 and/or Priority #3, the District is required to submit additional documentation with its SOI.

- If a District selects Priority #1, Replacement or renovation of a building which is structurally unsound or otherwise in a condition seriously jeopardizing the health and safety of the school children, where no alternative exists, the MSBA requires a hard copy of the engineering or other report detailing the nature and severity of the problem and a written professional opinion of how imminent the system failure is likely to manifest itself. The District also must submit photographs of the problematic building area or system to the MSBA.
- If a District selects Priority #3, Prevention of a loss of accreditation, the SOI will not be considered complete unless and until a summary of the accreditation report focused on the deficiency as stated in this SOI is provided.

ADDITIONAL INFORMATION: In addition to the information required above, the District may also provide any reports, pictures, or other information they feel will give the MSBA a better understanding of the issues identified at a facility.

If you have any questions about the SOI process please contact the MSBA at 617-720-4466 or SOI@massschoolbuildings.org.

Name of School	Stoneham High	ATTACHMENT A

Massachusetts School Building Authority

School District Stoneham

District Contact John J Macero TEL: (781) 279-3802

Name of School Stoneham High

Submission Date 3/26/2018

SOI CERTIFICATION

To be eligible to submit a Statement of Interest (SOI), a district must certify the following:

- ☑ The district hereby acknowledges and agrees that this SOI is NOT an application for funding and that submission of this SOI in no way commits the MSBA to accept an application, approve an application, provide a grant or any other type of funding, or places any other obligation on the MSBA.
- ☑ The district hereby acknowledges that no district shall have any entitlement to funds from the MSBA, pursuant to M.G.L. c. 70B or the provisions of 963 CMR 2.00.
- ☑ The district hereby acknowledges that the provisions of 963 CMR 2.00 shall apply to the district and all projects for which the district is seeking and/or receiving funds for any portion of a municipally-owned or regionally-owned school facility from the MSBA pursuant to M.G.L. c. 70B.
- ☑ The district hereby acknowledges that this SOI is for one existing municipally-owned or regionally-owned public school facility in the district that is currently used or will be used to educate public PreK-12 students and that the facility for which the SOI is being submitted does not serve a solely early childhood or Pre-K student population.
- ☑ After the district completes and submits this SOI electronically, the district must mail hard copies of the required documentation described under the "Vote" tab, on or before the deadline.
- ☑ The district will schedule and hold a meeting at which the School Committee will vote, using the specific language contained in the "Vote" tab, to authorize the submission of this SOI. This is required for cities, towns, and regional school districts.
- ☑ Prior to the submission of the SOI, the district will schedule and hold a meeting at which the City Council/Board of Aldermen or Board of Selectmen/equivalent governing body will vote, using the specific language contained in the "Vote" tab, to authorize the submission of this SOI. This is not required for regional school districts.
- ☑ On or before the SOI deadline, the district will submit the minutes of the meeting at which the School Committee votes to authorize the Superintendent to submit this SOI. The District will use the MSBA's vote template and the vote will specifically reference the school and the priorities for which the SOI is being submitted. The minutes will be signed by the School Committee Chair. This is required for cities, towns, and regional school districts.
- ☑ The district has arranged with the City/Town Clerk to certify the vote of the City Council/Board of Aldermen or Board of Selectmen/equivalent governing body to authorize the Superintendent to submit this SOI. The district will use the MSBA's vote template and submit the full text of this vote, which will specifically reference the school and the priorities for which the SOI is being submitted, to the MSBA on or before the SOI deadline. This is not required for regional school districts.
- ☑ The district hereby acknowledges that this SOI submission will not be complete until the MSBA has received all of the required vote documentation in a format acceptable to the MSBA. If Priority 1 is selected, your SOI will not be considered complete unless and until you provide the required engineering (or other) report, a professional opinion regarding the problem, and photographs of the problematic area or system. If Priority 3 is selected, your SOI will not be considered complete unless and until you provide a summary of the accreditation report focused on the deficiency as stated in this SOI.

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LOCAL CHIEF EXECUTIVE OFFICER/DISTRICT SUPERINTENDENT/SCHOOL COMMITTEE CHAIR
(E.g., Mayor, Town Manager, Board of Selectmen)

Chief Executive Officer *	**School Committee Chair**	**Superintendent of Schools**
Thomas Younger	Marie Christie	John Macero
Town Administrator		
		
(signature)	(signature)	(signature)
Date	Date	Date
3/21/2018 10:38:29 AM	3/22/2018 1:28:59 PM	3/21/2018 10:08:53 AM

* Local chief executive officer: In a city or town with a manager form of government, the manager of the municipality; in other cities, the mayor; and in other towns, the board of selectmen unless, in a city or town, some other municipal office is designated to the chief executive office under the provisions of a local charter. Please note, in districts where the Superintendent is also the Local Chief Executive Officer, it is required for the same person to sign the Statement of Interest Certifications twice.

Name of School	Stoneham High	ATTACHMENT A

Massachusetts School Building Authority

School District Stoneham

District Contact John J Macero TEL: (781) 279-3802

Name of School Stoneham High

Submission Date 3/26/2018

Note

Submitted on March 26th. Will mail out all votes and New England Association of Schools and Colleges, INC regarding Priority 3
Thank you

The following Priorities have been included in the Statement of Interest:

1. ☐ Replacement or renovation of a building which is structurally unsound or otherwise in a condition seriously jeopardizing the health and safety of school children, where no alternative exists.
2. ☐ Elimination of existing severe overcrowding.
3. ☑ Prevention of the loss of accreditation.
4. ☑ Prevention of severe overcrowding expected to result from increased enrollments.
5. ☑ Replacement, renovation or modernization of school facility systems, such as roofs, windows, boilers, heating and ventilation systems, to increase energy conservation and decrease energy related costs in a school facility.
6. ☐ Short term enrollment growth.
7. ☑ Replacement of or addition to obsolete buildings in order to provide for a full range of programs consistent with state and approved local requirements.
8. ☐ Transition from court-ordered and approved racial balance school districts to walk-to, so-called, or other school districts.

SOI Vote Requirement

☑ I acknowledge that I have reviewed the MSBA's vote requirements for submitting an SOI which are set forth in the Vote Tab of this SOI. I understand that the MSBA requires votes from specific parties/governing bodies, in a specific format using the language provided by the MSBA. Further, I understand that the MSBA requires certified and signed vote documentation to be submitted with the SOI. I acknowledge that my SOI will not be considered complete and, therefore, will not be reviewed by the MSBA unless the required accompanying vote documentation is submitted to the satisfaction of the MSBA.

Potential Project Scope: Renovation/ Addition

Is this SOI the District Priority SOI? YES
School name of the District Priority SOI: 2018 Stoneham High

Is this part of a larger facilities plan? YES
If "YES", please provide the following:

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Facilities Plan Date: 1/1/1997
Planning Firm: SMMA
Please provide a brief summary of the plan including its goals and how the school facility that is the subject of this SOI fits into that plan:

The 1997 report set the master plan for the district, beginning with the construction of two new elementary schools and the renovation / expansion of two other elementary schools. The elementary school stage was followed by the initiation of the Middle School replacement project in 2008. The renovation of the Stoneham High School, originally constructed in 1968, is the final stage of the plan.

Please provide the current student to teacher ratios at the school facility that is the subject of this SOI: 18 students per teacher

Please provide the originally planned student to teacher ratios at the school facility that is the subject of this SOI: 18 students per teacher

Does the District have a Master Educational Plan that includes facility goals for this building and all school buildings in District? YES

If "YES", please provide the author and date of the District's Master Educational Plan.

The Master Educational Plan had been developed in the late 1990's, focusing on an initial study by Symmes Maini & McKee Associates. This original 1997 district study led to the renovation / construction of four elementary schools from 1999-2003. A 2002 Middle School feasibility study finally led to the approval and funding of that project in 2012. The renovation of the High School was acknowledged as the needed final step when the Middle School project was presented to the voters in 2012.

Is there overcrowding at the school facility? YES

If "YES", please describe in detail, including specific examples of the overcrowding.

Currently the school has 700 students and that number is increasing steadily each year. Stoneham has over 250 additional High School Age students that choose not to attend our schools. When asked why it is apparent that the building is not competitively appetizing as some other buildings in the geographical region are. Therefore right away I noticed we are losing valuable state funding due to our antiquated building by having our own students chose to go elsewhere.

Moving forward, the town of Stoneham has been seeing a steady growth in the construction of two-family housing units. Currently there are three housing developments permitted and underway. These developments have a total of 353 two bedroom units. Statistically studies show that 30% of housing units have at least one school aged child. This would increase the population by 106 students in addition to the current increase that we are seeing at the middle school.

Another factor that is effecting the utilization of classroom space in the current high school is the growing SPED program. Six years ago, the District changed the SPED policy and have been trying to keep most students with needs in district. Every year space needs for the SPED program increase as well as the varied types of spaces are required to meet the specific needs of this population. Please see the section on SPED programs for more details. Because the school was slightly oversized the staff have been able to creatively meet the needs each year but as of 2016, they are running out of space. SPED spaces are being created out of space that was currently a storage room. Physical conditions in the building also make keeping this population in district difficult. Many of the learning spaces are over heated when the temperature is warm outside and the mechanical systems cannot keep up with ventilation needs. There is currently no space for OT/PT and Guidance is struggling to find meeting and testing space every day. Although there is a lower level below the Gymnasium that houses outdated shop space, it is underutilized because of its remote location and security risks associated with that.

Has the district had any recent teacher layoffs or reductions? NO

If "YES", how many teaching positions were affected? 0
At which schools in the district?
Please describe the types of teacher positions that were eliminated (e.g., art, math, science, physical education, etc.).

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Has the district had any recent staff layoffs or reductions? NO

If "YES", how many staff positions were affected? 0
At which schools in the district?
Please describe the types of staff positions that were eliminated (e.g., guidance, administrative, maintenance, etc.).

Please provide a description of the program modifications as a consequence of these teacher and/or staff reductions, including the impact on district class sizes and curriculum.

While there have been no net teacher reductions, we have reorganized staff due to declining enrollment and the closing of the Central Elementary School. The savings in classroom teacher positions were used to establish tuition-free all day kindergarten and to restore elementary specials in art, music and reading.

Please provide a description of the local budget approval process for a potential capital project with theMSBA. Include schedule information (i.e. Town Meeting dates, city council/town council meetings dates, regional school committee meeting dates). Provide, if applicable, the District's most recent budget approval process that resulted in a budget reduction and the impact of the reduction to the school district (staff reductions, discontinued programs, consolidation of facilities).

The school budget process begins with the review of the district strategic plan, the Town's Capital Plan, and the identification of specific annual needs. The administration develops a budget to address the specific goals voted by the School Committee, and the Superintendent presents this recommended budget to the School Committee in January of each year. During 2011-2014, there had been a Budget Agreement that has been supported by the Board of Selectmen and School Committee that allocated available Town resources by predetermined percentages. The funds designated by the Agreement were usually lower than the level required to implement the Superintendent's goal-oriented budget, but the agreement did generally support a level services budget with adjustments for enrollment changes at various grade levels. Effective for the 2014-15 year, the Selectmen and School Committee abandoned the formal agreement and returned to an open discussion of budget priorities.

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General Description

BRIEF BUILDING HISTORY: Please provide a detailed description of when the original building was built, and the date(s) and project scopes(s) of any additions and renovations (maximum of 5000 characters).

1968 - Building opened, originally having been designed and constructed as a Junior High School
1981 - A small addition of five science and business education labs was constructed and the building reopened as the High School; the middle school students were relocated to the smaller, older high school facility

TOTAL BUILDING SQUARE FOOTAGE: Please provide the original building square footage PLUS the square footage of any additions.

211000

SITE DESCRIPTION: Please provide a detailed description of the current site and any known existing conditions that would impact a potential project at the site. Please note whether there are any other buildings, public or private, that share this current site with the school facility. What is the use(s) of this building(s)? (maximum of 5000 characters).

The school is located on a 35 acre site near the middle of town. There are no other buildings on the site. The site was considered as a possible location for the recently constructed Middle School; however, as there is only one road that leads to the site, the design engineers determined that the surrounding Town roads could not support the additional traffic that would have resulted from having a second school on site. Approximately one-third of the site contains wetlands not suitable for development.

ADDRESS OF FACILITY: Please type address, including number, street name and city/town, if available, or describe the location of the site. (Maximum of 300 characters)

Stoneham High School, 149 Franklin Street, Stoneham, MA 02180

BUILDING ENVELOPE: Please provide a detailed description of the building envelope, types of construction materials used, and any known problems or existing conditions (maximum of 5000 characters).

The building envelope is CMU with brick facing with primarily single-pane, aluminum framed windows, and EPDM membrane roof. Over the past two years there has been extensive damage to exterior concrete sidewalks and stairs due to the use of salt and severe freeze/thaw cycles.

Has there been a Major Repair or Replacement of the EXTERIOR WALLS? NO
Year of Last Major Repair or Replacement:(YYYY) 1968
Description of Last Major Repair or Replacement:
Original construction; no replacement has been made

Roof Section A
Is the District seeking replacement of the Roof Section? YES
Area of Section (square feet) 50000
Type of ROOF (e.g., PVC, EPDM, Shingle, Slate, Tar & Gravel, Other (please describe)
Tar and Gravel
Age of Section (number of years since the Roof was installed or replaced) 50
Description of repairs, if applicable, in the last three years. Include year of repair:
Until recently, we believed that all sections of the original roof had been replaced in a phased roof replacement project that began in 2004. We have since learned that the roof sections over the auditorium, cafeteria and gymnasium were

Name of School Stoneham High ATTACHMENT A

not replaced at that time. We therefore believe these three areas to be well beyond their useful lives and should be scheduled for replacement.

Roof Section B
Is the District seeking replacement of the Roof Section? YES
Area of Section (square feet) 30000
Type of ROOF (e.g., PVC, EPDM, Shingle, Slate, Tar & Gravel, Other (please describe)
Ballasted EPDM
Age of Section (number of years since the Roof was installed or replaced) 12
Description of repairs, if applicable, in the last three years. Include year of repair:
Documentation on the first phase of roof repair completed in 2005 is incomplete. We now believe that not all sections of the original roof were replaced, and we have no warranty or project close out documents from this section (AREA B) that was completed. As we do have some minor leaks and apparent loose seams under the ballast stone, this area should be evaluated for replacement.

Roof Section D
Is the District seeking replacement of the Roof Section?
Area of Section (square feet)
Type of ROOF (e.g., PVC, EPDM, Shingle, Slate, Tar & Gravel, Other (please describe)
Age of Section (number of years since the Roof was installed or replaced)
Description of repairs, if applicable, in the last three years. Include year of repair:

Window Section A
Is the District seeking replacement of the Windows Section? YES
Windows in Section (count) 100
Type of WINDOWS (e.g., Single Pane, Double Pane, Other (please describe))
Single Pane, aluminum frame
Age of Section (number of years since the Windows were installed or replaced) 48
Description of repairs, if applicable, in the last three years. Include year of repair:
None

MECHANICAL and ELECTRICAL SYSTEMS: Please provide a detailed description of the current mechanical and electrical systems and any known problems or existing conditions (maximum of 5000 characters).

The main switchgear was replaced in 2007 and the transformer was replaced in 2009. There are no major electrical concerns with incoming service; however, the emergency generator is 48 years old and needs to be replaced. It is becoming clear that most instructional areas lack adequate numbers of plugs adjacent to instructional areas - the use of extension cords and power strips is increasing, producing a danger of overloaded circuits and trips on exposed cords. Electrical outlets are brittle and in need of replacement.

The heating system is gas-fired hot water with new condensing boilers installed in 2016. The original pneumatic controls are increasingly ineffective and need repair / replacement. There are classroom unit-ventilators or air handling units throughout the building as needed. Due to the lack of adequate classroom controls, it is difficult if not impossible to provide heat for classrooms on the north facing side of a corridor but only ventilation for classrooms on the south facing side which experience extensive solar heating. Only the interior administrative offices are centrally air-conditioned. As noted below, the boilers and main circulating pumps were replaced over the summer of 2016.

Boiler Section 1
Is the District seeking replacement of the Boiler? NO
Is there more than one boiler room in the School? NO
What percentage of the School is heated by the Boiler? 100
Type of heating fuel (e.g., Heating Oil, Natural Gas, Propane, Other)

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Natural gas
Age of Boiler (number of years since the Boiler was installed or replaced) 1
Description of repairs, if applicable, in the last three years. Include year of repair:
New modular condensing boilers were installed in 2016 to replace the original cast-iron sectional boilers. Building circulating pumps were also replaced at that time. However, building controls and unit-ventilators and air handling units were not being replaced at this time. The School Committee voted not to apply for the MSBA Accelerated Repair program at that time but to focus on a core renovation project.

Has there been a Major Repair or Replacement of the HVAC SYSTEM? NO
Year of Last Major Repair or Replacement:(YYYY) 1968
Description of Last Major Repair or Replacement:
Except for the boilers and circulating pumps, the building operates off of the original HVAC system.

Has there been a Major Repair or Replacement of the ELECTRICAL SERVICES AND DISTRIBUTION SYSTEM? YES
Year of Last Major Repair or Replacement:(YYYY) 2007
Description of Last Major Repair or Replacement:
New switchgear was installed in 2007 and the transformer was replaced in 2009. The distribution system is the original and has not been replaced. There is a lack of adequate power in most instructional areas as noted by the increased use of power strips and extension cords. The emergency generator is obsolete and needs to be replaced.

BUILDING INTERIOR: Please provide a detailed description of the current building interior including a description of the flooring systems, finishes, ceilings, lighting, etc. (maximum of 5000 characters).

Floors are primarily 12 x 12 VCT. Ceilings are primarily 12 x 12 fiberglass tiles which have heavy damage and are difficult to repair / replace. Classroom and corridor lights are generally 2 x 4 ceiling mounted flourescent boxes; a relamping and reballasting program was completed in 2006. Walls are painted CMU or sheetrock.

PROGRAMS and OPERATIONS: Please provide a detailed description of the current grade structure and programs offered and indicate whether there are program components that cannot be offered due to facility constraints, operational constraints, etc. (maximum of 5000 characters).

Stoneham High School is a medium-sized (900-student capacity) academically-oriented high school. It operates on a seven course, six periods per day rotating schedule. Graduation requirements include:
4 years of English;
4 years of mathematics;
3 years of science;
3 years of social studies;
an annual semester course in physical education;
the equivalent of 2 semester fine arts courses; and
one semester technology course.

Included in the original school design were 5 large vocational shops which are no longer part of the curriculum; these spaces are largely vacant and used for storage. The school can be considered lacking general classroom space due to the loss of these vocational programs, the elimination of study halls over the years, and the expansion of special education and alternative programs since the original design. The repurposing of these vocational spaces into newly designed science/STEM laboratories would allow the current lab spaces to be converted into additional general instructional spaces.

EDUCATIONAL SPACES: Please provide a detailed description of the Educational Spaces within the facility, a description of the number and sizes (in square feet) of classrooms, a description of science rooms/labs including ages and most recent updates, a description of the cafeteria, gym and/or auditorium and a description of the media center/library (maximum of 5000 characters).

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Core Educational Spaces include the following:
26 general classrooms of about 850-900 square feet
4 special and/or alternative education classrooms for 850-900 square feet
4 classrooms used as media/technology labs of 850-900 square feet
8 science laboratories (5 dating from 1968, 3 dating from 1981; size ranges from 950 - 1150 square feet)
2 family and consumer laboratories/classrooms of about 1000 square feet
3 visual arts classrooms
1 music classrooms/large space practice areas
1 gymnasium divisible into 3 teaching stations
1 library (2900 square feet, 35 student computers, 16,300 volumes)
5 vacant vocational shops (all at least 1200 square feet)

Like many school facilities from the 1960's, Stoneham High School does not truly meet current accessibility codes. While all areas of the building are accessible via an elevator or ramp system (except for the lower level of the band room), the building needs to be upgraded in the following areas: outdoor handicapped parking locations and curb cuts; equipping doors with power access automatic door openers; increasing the number of fully accessible bathrooms throughout the facility; upgrading the elevator to current handicapped - accessibility code (including internal wheelchair turning radius); and upgrading door hardware throughout the building. Also, the library is only accessible via a ramp that enters the library through a back copier center; the main library level is down four stairs from the main entrance door off of the main lobby.

The elevator that provides access to all three floors is not centrally located but is at the rear of the building adjacent to maintenance areas and gym locker rooms.

CAPACITY and UTILIZATION: Please provide the original design capacity and a detailed description of the current capacity and utilization of the school facility. If the school is overcrowded, please describe steps taken by the administration to address capacity issues. Please also describe in detail any spaces that have been converted from their intended use to be used as classroom space (maximum of 5000 characters).

The school has 51 learning spaces that can be scheduled on a regular basis. If one estimates 20 students per regular classroom and 10 per special/alternative education, the capacity of the school at 100% utilization every period is 975 students. An optimal capacity, one designed to keep instructional programs in the spaces for which they were designed and to allow teachers to stay in their classrooms during preparation and free periods (teachers are assigned to teach only 5 of 7 instructional periods), is 700 students. Thus, the current enrollment of 700 students places the school at 100% optimal capacity.

As noted in the discussion of Priority 4, there are four residential developments which will soon impact Town population and student enrollment. A 298-unit development is under construction off of Fallon Road and will open by the Fall of 2017. A second 21-unit condo development is under construction on Spring Street. Third, a 300+ unit complex is under final design review at the "old hospital site" on the Melrose border; a building permit application is expected in the spring of 2017. Fourth, a substantial 260 + unit, 40b development is planned for the Weiss Farm site opposite the High School. These four developments will have a substantial impact over the next 1-3 years, resulting in an expected student increase K-12 of between 240-380 students, with 75-120 students expected to attend the High School.

MAINTENANCE and CAPITAL REPAIR: Please provide a detailed description of the district's current maintenance practices, its capital repair program, and the maintenance program in place at the facility that is the subject of this SOI. Please include specific examples of capital repair projects undertaken in the past, including any override or debt exclusion votes that were necessary (maximum of 5000 characters).

In February 2013 we instituted the first computerized ticket-repair system to track maintenance in the High School and other facilities in the district. Financial support for facility maintenance had been lacking in the past and was one of the reasons why the High School received a "warning" status from the NEASC following the 2006 accreditation visit and report; that warning status was removed in 2010 due to improved financial support and maintenance procedures. A new

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Director of Facilities, hired in 2014, implemented a district-wide maintenance schedule which is beginning to move us to planned, preventive maintenance rather than reactive repairs.

The Town has supported capital projects for repair projects such as roof replacement, electrical switchgear replacement, burner conversion/oil tank removal, and new boilers / pumps. The Town has approved debt exclusion votes for the Middle School construction project in 2012 and the prior elementary school building/renovation program in 1998.

Please not as of our last High School Accreditation of 2017 the building has been placed on warning for building purposes only.

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Priority 3

Question 1: Please provide a detailed description of the "facility-related" issues that are threatening accreditation. Please include in this description details related to the program or facility resources (i.e. Media Center/Library, Science Rooms/Labs, general classroom space, etc.) whose condition or state directly threatens the facility's accreditation status.

Community Resources for Learning:

The School site and plant does not support the delivery of high quality school programs and services including but not limited to:

1. significant structural integrity issues of the building
2. critical plumbing and electrical repairs necessary to provide a safe learning environment for students
3. repairs to classroom windows and significant ventilation issues
4. deficiencies in building access for students with disabilities

Given these concerns, the Committee voted to place the school on warning for the Standard on Community Resources for Learning.

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Priority 3

Question 2: Please describe the measures the district has taken to mitigate the problem(s) described above.

1. FY 2019 Capital funding approved for replacement of roof sections.
2. School's domestic water main valves & meter replaced, several plumbing repairs completed on restroom fixtures
3. Extensive HVAC work completed to restore heat in classrooms, Auditorium, and Gymnasium.
4. Electrical repairs on going, with lighting restored to classrooms and common areas.
5. Funding for window replacements unavailable
6. Extensive exit door repairs completed for safe egress
7. Magnetic door holders installed in corridors on 1st floor, ADA push buttons installed at Main Entrance, ADA sidewalk repairs, and elevator upgrades made, Magnetic door holders on 2nd floor slated for summer of 2018.

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Priority 3

Question 3: Please provide a detailed explanation of the impact of the problem described in this priority on your district's educational program. Please include specific examples of how the problem prevents the district from delivering the educational program it is required to deliver and how students and/or teachers are directly affected by the problem(s) identified.

Safety and Security The current high school has many Life Safety violations. The building is over 200,000 SF and does not have any approved sprinkler system installed. The fire alarm system is an original FCI FC72 Conventional system. The system is obsolete. The fire alarm notification devices do not meet code and detection is limited. The fire alarm system is an immediate need of replacement. The combination of both of these deficiencies is a serious threat to life safety. To acerbate this issue the building structure is unprotected reinforced concrete. Although considered non-combustible, the shallow depth between the concrete tees and precast flanges provides little to no fire-rating. The overall size of the building combined with lack of fire proofing or sprinkler systems puts it in violation of the current building code for height and area calculations. A building of this size built today would have sprinklers, and fire proofing or fire walls to divide up the areas of the building into smaller sections. The building also has two sets of stairs that are not enclosed and traverse three-stories of the building. This is not allowed by the current building code. In regards to Security, Stoneham High School has multiple issues. The current main entrance is not visible from the Main Office. Due to the architectural design, the staff that would be answering the door buzzer cannot easily see the parking lot or a visitor approaching the entrance doors. This does not allow a quick response time to a potential incident. Once the visitor is buzzed into the school, there is not a locking vestibule to allow processing of an ID before the person has access to the entire school. You can easily by-pass the main office and move quickly throughout the school. The Superintendent's office is at the opposite end of the school from the main entrance. Visitors going to that office wander through the entire school to reach their destination. There is no signage to direct a visitor and no way to keep that person segregated from the students. The corridors are dimly lit due to out dated and failing lighting systems. The dim light adds to a sense of poor security at the school. The overall layout of the facility with the science wing addition and basement level vocational shops leaves teachers and students feeling isolated and unsecure when they are in these remote zones. Teachers in the remote science wing do not feel safe working after school hours because of the isolation. The building does not have any security cameras on the interior or exterior. There are a number of exterior doors that do not close properly because the frames are damaged and the locksets have outlived their useful life. These doors could allow visitors inside without any staff member's knowledge.

Special Education Stoneham High School currently houses two special education programs for specialized populations. We have two RISE programs that service students with autism spectrum disorders or other developmental disabilities. We service students in these programs during their four years in high school and often during their post graduate years or until they turn 22 years old. These students require access to small group and individual spaces for learning as well as access to areas geared toward appropriate vocational and transitional learning situations. While we work to ensure that these students have sufficient opportunities to learn and practice daily living and job skills, the current high school building has significantly limited the options for our students on site. We lack access to updated kitchen facilities to practice meal preparation, accessible bathrooms to practice all aspects of self-care and other dedicated spaces for vocational practice for activities that resemble current job opportunities for students including hotel, culinary, and office work. The high school also houses 2 STRIDE alternative programs for special and regular education students with significant social emotional challenges. Many of these students have a variety of mental health challenges including anxiety disorders, depression, school phobia, and addiction. These students need private spaces where they can work with therapists or counselors when they are dysregulated or upset. These spaces need to be sound proof and attached or nearby the classroom in order to provide quick access when students are agitated. Unfortunately, in our current building private smaller spaces are hard to find and often too far away from classrooms to be useful for students and staff to access quickly. Physical conditions in the building also make keeping this population in district difficult. Many of the learning spaces are over heated when the temperature is warm outside and the mechanical systems cannot keep up with ventilation needs. In addition, our high school is ill equipped to provide students with physical disabilities access to all academic and extracurricular activities. The entrance to the school as well as parking areas do not meet current ADA guidelines for easy independent access for students in wheelchairs or other physical challenges. Due to the topography of the site, the slope of the parking area and sidewalks is too great to negotiate in a wheelchair. There are several school wide spaces including the library

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and auditorium, locker rooms, stage and music rooms that are only accessible via stairs and either have no handicapped access or have access only from doors that are not wide enough and do not have accessible hardware. While we have updated a few bathrooms to allow access to someone using a wheelchair many of the bathrooms still remain inaccessible - often with doorways and interior walls that are simply too narrow to allow entrance. The only elevator to the building does not meet Life Safety code due to its small dimensions. It is also located in the very back of the building making travel distances to and from academic areas excruciatingly long. A student with a larger wheelchair or one with customized additions would not be able to use the elevator. We are lacking proper acoustically sound learning environments for all students but this particularly affects our Deaf and Hard of Hearing students in a very negative way. The district has equipped some classrooms with acoustic sound panels, but only a certain number of rooms are able to be equipped and even with these panels it is difficult, and sometimes impossible, to bring the rooms to the appropriate sound and vibration level that is effective for students with significant hearing loss.

STEM With the opening of Stoneham Central Middle School in 2014, Stoneham Public Schools joined other districts in offering the Project Lead the Way STEM program. All students in grades 6-8 receive instruction in The Science of Technology, Design and Modeling, Medical Detectives, Automation and Robotics and Flight and Space. We introduced formal Computer Science instruction in grades 6-8 starting the following year. We are one of a few districts with a formal computer science program beginning at this grade level. The district has supported this program through STEM labs providing mobile tables and chairs, state of the art computers, storage space for parts ranging from a single bolt to an entire robotics kit. Materials are readily available to hold robot competitions on the “mars surface” complete with rocks, sand, and hills. Electricity is available for multiple groups of students to work on manufacturing items in a safe environment. Natural light from large windows allow for close work on circuit boards. Teachers have traveled around the country to attend PLTW training in each of the past 3 summers. Stoneham Schools have supported this training through our budget planning. Having teachers attend hands on training in the current STEM capabilities is vital to our student’s success. Our PLTW program has become a showplace for Mass STEM Hub. Last spring we hosted seven districts for a day of observation and conversation, to share the processes and planning that have supported our teacher and student success in STEM. We have been asked to offer another information session this fall. During the 2017 summer, we held STEM camps in grades 1-8. These summer camps were held at our Central Middle School where the workspace and materials were readily available. We have not been able to provide the same level of instruction or extra-curricular opportunities at our high school. We have none of the readily available workspaces, materials, computers, or power necessary to provide the variety of activities required for students to engage in a variety of STEM activities. Because of Stoneham’s commitment to STEM education, the high school has been fortunate to be the recipients of a Mass STEM Hub $35,000.00 grant to support a biomedical pathway. We are currently offering Principles of Biomedical Science in one of our science labs. Our teacher, who attended PLTW training over two weeks this summer, was concerned about storage space and workspace. Because of the limits of her space, we needed to change our scheduling so that the two sections could be held contiguously with a prep before, and at the end of the day so that she can setup and breakdown materials each day. This required change in schedule is a concern as we move forward. We hope to be able to offer a four-course pathway but may be limited with space and scheduling. The district is committed to providing our students with knowledge of STEM fields so that they can take advantage of internships and employment opportunities here in Stoneham and in our surrounding communities. We have been contacted by Lincoln Labs, MIT, and Waters Corporation to talk with us about our goals and how these organizations can help us develop the employees that they will need in the future. We envision Stoneham as a STEM leader in the area. We have the interest and support of our community and organizations willing to help us to help them. We need the space, materials, lighting, power, and technology necessary to have our students be tomorrow’s high tech workforce.

Arts/Humanities/STEAM When it comes to the Arts, Stoneham High School could be at the forefront. Drama, Music and Art through the years, continues to deal with multiple obstacles. Art classrooms are spread throughout the building and are currently over crowed with enrollments of 28-30 students per class. The Kiln is located in the lower basement not in our Art classes and creates additional issues because dozens and dozens of projects need to be moved, This movement jeopardizes student work and sadly states to our students that their work is not important. The Theater/Auditorium is a seventies style stage that has an inverted apron making it difficult to perform proscenium style theatre. There is no fly space and the cat walk is completely dysfunctional. Wing space is non-existent on stage right due to the fact the stage has been cut up into storage spaces. The stage may work for the performer but for the individual who desires a career in tech theatre, it does not. Colleges today require students who wish to enter into Technical Theatre a portfolio of their work. Having no technical connections puts them at a

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disadvantage! Music classrooms are poorly ventilated and have no natural lighting. As for Humanities, Stoneham is uniquely known for its Annual National History Day Program. Every student in grades 10 and 11 at Stoneham High School participate in a National History Day research project. All sophomores and juniors choose a topic of their choice, focused around the annual theme. Throughout the process, students learn to manage multiple, long-term deadlines, access academic databases, use primary source documents, weigh conflicting points of view, and translate their research into a final exhibit, documentary, website, or performance. A program such as this needs a space to showcase its true appreciation. Currently these projects are confined to hallways and areas that poorly show the creative work of our students.

Please also provide the following:

Name of accrediting entity (maximum of 100 characters):
New England Association of Schools and Colleges, Inc. Commission on Public Schools

Current Accreditation Status: Please provide appropriate number as 1=Passed, 2=Probation, 3=Warning, 4=Lost:
3

If "WARNING", indicate the date accreditation may be switched to Probation or lost: 10/1/2018
If "PROBATION", indicate the date accreditation may be lost:

Please provide the date of the first accreditation visit that resulted in your current accreditation status.:
3/5/2017

Please provide the date of the follow-up accreditation visit: 3/1/2027

Are facility-related issues related to Media Center/Library? If yes, please describe in detail in Question 1 below.:
YES

Are facility-related issues related to Science Rooms/Labs? If yes, please describe in detail in Question 1 below.:
YES

Are facility-related issues related to general classroom spaces? If yes, please describe in detail in Question 1 below.: YES

Are facility-related issues related to SPED? If yes, please describe in detail in Question 1 below.: YES

Are facility-related issues related to support spaces? If yes, please describe in detail in Question 1 below.:
YES

Are facility-related issues related to "Other"? If yes, please identify the other area below and describe in detail in Question 1 below.: YES

Please describe (maximum of 100 characters).:
Bathrooms and hallways are also in dire need of renovations. See Below:

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Priority 4

Question 1: Please describe the conditions within the community and School District that are expected to result in increased enrollment.

As outlined under General Description, above, there are four substantial residential units under construction and/or design:
a) "Fallon Road" - under construction - will open Fall 2017 - 298 total units, 142 one bedroom, 156 two bedroom
b) "Spring Street" - under construction - 21 total units, 0 one bedroom, 21 two bedroom
c) "Hospital Site" - building permit expected Spring 2017 - 309 units, 133 one bedroom, 176 two bedroom
d) "Weiss Farm" - 40b planned development - 264 units in current plan, 132 one bedroom, 114 two bedroom, 18 three bedroom

Total school-aged children expected from these developments range from 243 (at .5 child per second bedroom) to 380 (at .8 child per second bedroom), with 75-119 of these being high school aged.

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Priority 4

Question 2: Please describe the measures the School District has taken or is planning to take in the immediate future to mitigate the problem(s) described above.

Immediate response to this anticipated increase would include the following:

a) - increase class size above the current standard supported by the School Committee

b) - move and update five of the current science labs to the vacant vocational shops and to divide each of the vacated labs into two additional instructional spaces. The additional rooms gained should offset the impact of the increased enrollment. This would not be ideal as this area currently is in isolation of the rest of the building.

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Priority 4

Question 3: Please provide a detailed explanation of the impact of the problem described in this priority on your district's educational program. Please include specific examples of how the problem prevents the district from delivering the educational program it is required to deliver and how students and/or teachers are directly affected by the problem identified.

An estimated 100 additional high school students from these residential developments would represent a 14% increase in our student population.

If this increase were evenly distributed across our student population, we could see an increase in our average class size of about 2 students per course. As parents often try to restrict relocation of high school aged students, however, it is possible this the enrollment might be clustered at the ninth or tenth grades rather than being evenly distributed, thus having a larger impact on students just beginning their high school careers.

Similarly, at this time it is difficult to anticipate the impact of of not having a unique classroom assigned to each teacher. With the increased enrollment in science, information science, the arts and other hands-on instructional subjects, it can be assumed that the burden of traveling from room to room would disproportionately fall on English and social studies teachers. These teachers would thus lose the ability to meet and collaborate with other department members during free and preparation periods.

Please also provide the following:

Cafeteria Seating Capacity:	350
Number of lunch seatings per day:	2
Are modular units currently present on-site and being used for classroom space?:	NO

If "YES", indicate the number of years that the modular units have been in use:
Number of Modular Units:
Classroom count in Modular Units:
Seating Capacity of Modular classrooms:
What was the original anticipated useful life in years of the modular units when they were installed?:

Have non-traditional classroom spaces been converted to be used for classroom space?:	NO

If "YES", indicate the number of non-traditional classroom spaces in use:
Please provide a description of each non-traditional classroom space, its originally-intended use and how it is currently used (maximum of 1000 characters).:

Please explain any recent changes to the district's educational program, school assignment polices, grade configurations, class size policy, school closures, changes in administrative space, or any other changes that impact the district's enrollment capacity (maximum of 5000 characters). :

In 2014-15, the district moved from a PK-5 (four elementary schools), 6-8, 9-12 grade structure to a PK-4 (three elementary schools), 5-8, 9-12 grade structure.
The district administration offices have occupied the equivalent of four general classrooms in the Stoneham High School for over 15 years.

What are the district's current class size policies (maximum of 500 characters)?:

The School Committee policies do not contain specific class size policies. During the planning for the 2014-15 grade and elementary district reorganization, the School Committee set target enrollments of 20-22 students per class for grades K-4 and supported "current" class sizes for grades 5-12, which are in the range of 18-20.

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Priority 5

Question 1: Please provide a detailed description of the issues surrounding the school facility systems (e.g., roof, windows, boilers, HVAC system, and/or electrical service and distribution system) that you are indicating require repair or replacement. Please describe all deficiencies to all systems in sufficient detail to explain the problem.

The primary system needing modernization is the entire HVAC system: pneumatic controls, thermostats, classroom univents, and air handling units are all original and in need of replacement. The boilers and building circulation pumps are new, having been replaced in 2016 following the failure of the original cast iron sectional boilers. There is no air-conditioning except for small roof-top units in the administrative and technology areas and through-the-wall units in other offices that are occupied year-round by the Central Administration.

The building electrical service is 2000 amp - 208V/120. It is generally adequate, though the electrical panels throughout the school are of the original drop out / load shedding design and would not meet code for new installation. The emergency generator is also original and has failed on several occasions when called into service. There is a lack of adequate outlets in most instructional areas as noted by the increased use of power strips and extension cords.

The windows are primarily single-pane, aluminum framed units that provide no insulation value and lack screens where there are windows that open.

Most, but not all, classroom and corridor florescent lamps were reballasted and relamped in 2006 but are now increasingly needing repair.

There are occasional sanitary line backups due to the long, relatively flat gravity-fed system and the conversion to low-flow toilets as individual units have been replaced. A more reliable, pump-fed system may need to be considered.

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Priority 5

Question 2: Please describe the measures the district has already taken to mitigate the problem/issues described in Question 1 above.

Major High School facility repair projects include the following:

Roof - approximately 75% of the original tar and gravel roof was replaced between 2005 - 2010. The first replaced section is showing signs of deterioration and will need replacement in a few years. The original sections over the auditorium, cafeteria and gymnasium have not been replaced and are now 50 years old.

2006 - most corridor and classroom lights and ballasts were replaced

2007 - the main electrical switchgear was replaced

2009 - the main transformer was replaced (following an explosion and fire caused by flooding in a manhole down the street)

2011 - burner replacement and oil tank removal as part of a town-wide oil to gas conversion project

2016 - installation of new modular condensing boilers and variable speed circulation pumps

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Priority 5

Question 3: Please provide a detailed explanation of the impact of the problem/issues described in Question 1 above on your district's educational program. Please include specific examples of how the problem prevents the district from delivering the educational program it is required to deliver and how students and/or teachers are directly affected by the problem identified.

The major issue is that the systems do not allow us to ensure a consistent, comfortable, healthy learning environment for students and working environment for staff. Due to the lack of insulation-value in the windows and walls, heat needs to be maintained on high throughout the heating season, causing substantial temperature fluctuations across individual classrooms. As the controls are original and have slowly become increasingly inefficient over the years, it is questionable whether code-required amounts of fresh air are being introduced into occupied spaces; ventilation may especially be lacking in science laboratories, locker rooms, and similar areas.
It is not certain what the financial impact of these inefficient systems might be. Newer, more efficient pumps, fans, motors, etc. would no doubt be more efficient, but properly designed and operating systems would also introduce more outside air into the building that would need to be properly conditioned (either heated or cooled).

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Priority 5

Question 4: Please describe how addressing the school facility systems you identified in Question 1 above will extend the useful life of the facility that is the subject of this SOI and how it will improve your district's educational program.

As part of the planning evaluation for the 2012 Middle School project, the High School site was briefly considered as a location for that project - either as an addition to the High School with shared core facilities or as an adjacent, stand-alone facility. While these options were ultimately rejected due to site and neighborhood traffic considerations, the review confirmed the general opinion that the High School facility is generally sound but in need of the major improvements identified above. The facility improvements identified in Question 1 will extend the life of the building and improve the comfort, efficiency and educational program of the High School.

Please also provide the following:

Have the systems identified above been examined by an engineer or other trained building professional?:
YES

If "YES", please provide the name of the individual and his/her professional affiliation (maximum of 250 characters):
Charles Hay, Principal, Tappe Associates, Boston, MA

The date of the inspection: 8/3/2011

A summary of the findings (maximum of 5000 characters):
As previously noted, the High School was briefly considered as a site for the middle school project completed from 2009-2014 in conjunction with the MSBA. Both a separate building on the High School site and a High School addition options were considered at that time. The MSBA Preliminary Design Program Submission for the middle school project, dated August 3, 2011, noted "The High School is also an older building and will require upgrades at some point." The need for these renovations were one factor that resulted in the conclusion that "The preliminary estimates indicted that Option 4 [the High School site option] would have a Total Project Cost approximately $7-8 Million higher than Option 3B" [the new middle school site option that was endorsed by the Town and MSBA].

The Town is now facing the need to undertake the updates that were briefly assessed in 2011.

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Priority 7

Question 1: Please provide a detailed description of the programs not currently available due to facility constraints, the state or local requirement for such programs, and the facility limitations precluding the programs from being offered.

While the High School shows all the faults (and structural strengths) of being a 50-year old building designed for the curriculum of the mid-1960's, the primary areas that are deemed obsolete and in need or replacement are the science labs. Two earth science and three biology labs are housed in the second floor of the original 1968 building, while the two physics labs and the one chemistry lab are in the 1981 addition. All of the labs suffer from inadequate electrical service and inadequate ventilation. The original 1968 labs were not renovated when the 1981 wing opened, so they have the old fixed lab stations with gas jets which are not required for their current use as biology or earth science labs. Other issues are as follows:

Chemistry lab - need improved eyewash stations, fume hood, and teacher demonstration station
All areas - expanded and improved layout of storage facilities, including approved lockable cabinets
Biology and earth science labs - need sinks and gas jets at teacher demonstration station; need more student sinks
Physics lab - need to replace sinks with flat work spaces for computers

None of the science labs meet the standards published by the MSBA in 2011, nor is there a specially designed technology/engineering lab. As such a lab is now available at the Central Middle School, whose students began attending the High School in 2015-16, the lack of a High School STEM lab is a glaring weakness in the continuity of the district's program offerings.

Also, while the building has been able to nominally meet the needs of physically handicapped individuals on a short-term basis (students recovering from a broken foot or from knee surgery), it does not fully comply with current codes. Areas of concern include designated parking and curb cuts, power assist doors, full wheelchair radial mobility in bathrooms and the elevator, door hardware, and similar issues. In two years the High School is scheduled to enroll two physically handicapped students who have been progressing through our fully accessible elementary and middle schools; we are just beginning to assess the limitations which the facility will impose on the programs available to them.

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Priority 7

Question 2: Please describe the measures the district has taken or is planning to take in the immediate future to mitigate the problem(s) described above.

No measures have been taken yet to mitigate the problems described in Question 1. Since 1998, the district's capital funds for education have been focused on the older and more critical health/safety concerns of the elementary and middle schools (along with minor roofing and electrical service repairs for the High School). The Town and School Department are just beginning to address the programmatic repair needs of the High School. As stated previously this past year and moving forward we have begun to repair sections of the roof and create Magnetic Doors for ADA compliance.

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Priority 7

Question 3: Please provide a detailed explanation of the impact of the problem described in this priority on your district's educational program. Please include specific examples of how the problem prevents the district from delivering the educational program it is required to deliver and how students and/or teachers are directly affected by the problem identified.

Safety and Security

The current high school has many Life Safety violations. The building is over 200,000 SF and does not have any approved sprinkler system installed. The fire alarm system is an original FCI FC72 Conventional system. The system is obsolete. The fire alarm notification devices do not meet code and detection is limited. The fire alarm system is an immediate need of replacement. The combination of both of these deficiencies is a serious threat to life safety. To acerbate this issue the building structure is unprotected reinforced concrete. Although considered non-combustible, the shallow depth between the concrete tees and precast flanges provides little to no fire-rating. The overall size of the building combined with lack of fire proofing or sprinkler systems puts it in violation of the current building code for height and area calculations. A building of this size built today would have sprinklers, and fire proofing or fire walls to divide up the areas of the building into smaller sections. The building also has two sets of stairs that are not enclosed and traverse three-stories of the building. This is not allowed by the current building code. In regards to Security, Stoneham High School has multiple issues. The current main entrance is not visible from the Main Office. Due to the architectural design, the staff that would be answering the door buzzer cannot easily see the parking lot or a visitor approaching the entrance doors. This does not allow a quick response time to a potential incident. Once the visitor is buzzed into the school, there is not a locking vestibule to allow processing of an ID before the person has access to the entire school. You can easily by-pass the main office and move quickly throughout the school. The Superintendent's office is at the opposite end of the school from the main entrance. Visitors going to that office wander through the entire school to reach their destination. There is no signage to direct a visitor and no way to keep that person segregated from the students. The corridors are dimly lit due to out dated and failing lighting systems. The dim light adds to a sense of poor security at the school. The overall layout of the facility with the science wing addition and basement level vocational shops leaves teachers and students feeling isolated and unsecure when they are in these remote zones. Teachers in the remote science wing do not feel safe working after school hours because of the isolation. The building does not have any security cameras on the interior or exterior. There are a number of exterior doors that do not close properly because the frames are damaged and the locksets have outlived their useful life. These doors could allow visitors inside without any staff member's knowledge.

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independent access for students in wheelchairs or other physical challenges. Due to the topography of the site, the slope of the parking area and sidewalks is too great to negotiate in a wheelchair. There are several school wide spaces including the library and auditorium, locker rooms, stage and music rooms that are only accessible via stairs and either have no handicapped access or have access only from doors that are not wide enough and do not have accessible hardware. While we have updated a few bathrooms to allow access to someone using a wheelchair many of the bathrooms still remain inaccessible - often with doorways and interior walls that are simply too narrow to allow entrance. The only elevator to the building does not meet Life Safety code due to its small dimensions. It is also located in the very back of the building making travel distances to and from academic areas excruciatingly long. A student with a larger wheelchair or one with customized additions would not be able to use the elevator. We are lacking proper acoustically sound learning environments for all students but this particularly affects our Deaf and Hard of Hearing students in a very negative way. The district has equipped some classrooms with acoustic sound panels, but only a certain number of rooms are able to be equipped and even with these panels it is difficult, and sometimes impossible, to bring the rooms to the appropriate sound and vibration level that is effective for students with significant hearing loss.

Pre School We currently have 8 preschool classrooms (6 integrated half day programs, 1 integrated full day program and 1 substantially separate full day program) across two elementary schools in Stoneham. These classrooms service over 110 total students, including 57 students with special needs. In addition we have a significant number of students who come to the preschools for specific services including speech and language and occupational therapy. The elementary schools in Stoneham do not have enough space to house the number of special education and regular education classrooms that are needed in the next few years. In order to avoid having to return to the MSBA to ask for an additional elementary school, we propose moving the entire preschool program into a new high school building. Housing the preschool in a single building would vastly improve the quality of professional development for, and collaboration among, preschool staff. It would also allow us to develop preschool specific equipment, programs and services that could be used by both the school and the community. For instance, preschool students would have access to classrooms with changing facilities, appropriate size bathrooms, and playgroup equipment designed to meet the needs of this young population. We also may be able to offer after school or enrichment programs for these students. In addition, each year we have over 40 community students on the wait list for preschool programs and additional space would allow us to open more classrooms and service students in the community providing them access to high quality early childhood education. And added benefit to housing the preschool at the high school would be using the preschool as a site for child development classes and internship/volunteer opportunities for the high school students. Students could have supervised real life experiences working with both typical and special needs preschoolers.

STEM With the opening of Stoneham Central Middle School in 2014, Stoneham Public Schools joined other districts in offering the Project Lead the Way STEM program. All students in grades 6-8 receive instruction in The Science of Technology, Design and Modeling, Medical Detectives, Automation and Robotics and Flight and Space. We introduced formal Computer Science instruction in grades 6-8 starting the following year. We are one of a few districts with a formal computer science program beginning at this grade level. The district has supported this program through STEM labs providing mobile tables and chairs, state of the art computers, storage space for parts ranging from a single bolt to an entire robotics kit. Materials are readily available to hold robot competitions on the “mars surface” complete with rocks, sand, and hills. Electricity is available for multiple groups of students to work on manufacturing items in a safe environment. Natural light from large windows allow for close work on circuit boards. Teachers have traveled around the country to attend PLTW training in each of the past 3 summers. Stoneham Schools have supported this training through our budget planning. Having teachers attend hands on training in the current STEM capabilities is vital to our student’s success. Our PLTW program has become a showplace for Mass STEM Hub. Last spring we hosted seven districts for a day of observation and conversation, to share the processes and planning that have supported our teacher and student success in STEM. We have been asked to offer another information session this fall. During the 2017 summer, we held STEM camps in grades 1-8. These summer camps were held at our Central Middle School where the workspace and materials were readily available. We have not been able to provide the same level of instruction or extra-curricular opportunities at our high school. We have none of the readily available workspaces, materials, computers, or power necessary to provide the variety of activities required for students to engage in a variety of STEM activities. Because of Stoneham’s commitment to STEM education, the high school has been fortunate to be the recipients of a Mass STEM Hub $35,000.00 grant to support a biomedical pathway. We are currently offering Principles of Biomedical Science in one of our science labs. Our teacher, who attended PLTW training over two weeks this summer, was concerned about storage space and workspace. Because of the limits of her space, we needed to change our scheduling so that the two

Name of School Stoneham High ATTACHMENT A

sections could be held contiguously with a prep before, and at the end of the day so that she can setup and breakdown materials each day. This required change in schedule is a concern as we move forward. We hope to be able to offer a four-course pathway but may be limited with space and scheduling. The district is committed to providing our students with knowledge of STEM fields so that they can take advantage of internships and employment opportunities here in Stoneham and in our surrounding communities. We have been contacted by Lincoln Labs, MIT, and Waters Corporation to talk with us about our goals and how these organizations can help us develop the employees that they will need in the future. We envision Stoneham as a STEM leader in the area. We have the interest and support of our community and organizations willing to help us to help them. We need the space, materials, lighting, power, and technology necessary to have our students be tomorrow’s high tech workforce.

Arts/Humanities/STEAM When it comes to the Arts, Stoneham High School could be at the forefront. Drama, Music and Art through the years, continues to deal with multiple obstacles. Art classrooms are spread throughout the building and are currently over crowed with enrollments of 28-30 students per class. The Kiln is located in the lower basement not in our Art classes and creates additional issues because dozens and dozens of projects need to be moved, This movement jeopardizes student work and sadly states to our students that their work is not important. The Theater/Auditorium is a seventies style stage that has an inverted apron making it difficult to perform proscenium style theatre. There is no fly space and the cat walk is completely dysfunctional. Wing space is non-existent on stage right due to the fact the stage has been cut up into storage spaces. The stage may work for the performer but for the individual who desires a career in tech theatre, it does not. Colleges today require students who wish to enter into Technical Theatre a portfolio of their work. Having no technical connections puts them at a disadvantage! Music classrooms are poorly ventilated and have no natural lighting. As for Humanities, Stoneham is uniquely known for its Annual National History Day Program. Every student in grades 10 and 11 at Stoneham High School participate in a National History Day research project. All sophomores and juniors choose a topic of their choice, focused around the annual theme. Throughout the process, students learn to manage multiple, long-term deadlines, access academic databases, use primary source documents, weigh conflicting points of view, and translate their research into a final exhibit, documentary, website, or performance. A program such as this needs a space to showcase its true appreciation. Currently these projects are confined to hallways and areas that poorly show the creative work of our students.

Specific defects in the current science laboratories and the impact on the curriculum are as follows:
Earth Science - current lab stations are bolted to the floor, making it impossible to shift the tables to get a large enough working space to accommodate group projects. There is also a need to design this lab space so it is flexible enough to be shared with the A P Environmental Science course which is currently offered on an every-other-year basis;

Biology - current lab stations are bolted to the floor, and lack working sinks and adequate ventilation. The only working sinks are in the back of the lab, forcing students to carry lab equipment, specimens or chemicals from their individual tables to the back of the room. Due to the inherent danger of carrying such items, some expected labs in the more advanced courses are avoided or just done as a demonstration at the front teacher's station.

Chemistry - due to the age of the equipment and the concern for leaks, some water faucets and gas jets have been disconnected at the individual lab stations. As a result, students crowd around the remaining working stations or the demonstration table. Again, the teacher avoids certain labs due to overall room ventilation concerns. There is also lack of ventilation in the adjacent prep room.

Physics - the room was originally designated as a biology or chemistry room, so the work stations have unneeded sinks that limit the flat, open space needed for the labs. The available flat areas and outlets in the back of the room need to be shared or allocated to students, often resulting in overcrowding in that area or insufficient time for all students to complete the lab.

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REQUIRED FORM OF VOTE TO SUBMIT AN SOI

REQUIRED VOTES

If the SOI is being submitted by a City or Town, a vote in the following form is required from both the City Council/Board of Aldermen **OR** the Board of Selectmen/equivalent governing body **AND** the School Committee.

If the SOI is being submitted by a regional school district, a vote in the following form is required from the Regional School Committee only. FORM OF VOTE Please use the text below to prepare your City's, Town's or District's required vote(s).

FORM OF VOTE

Please use the text below to prepare your City's, Town's or District's required vote(s).

Resolved: Having convened in an open meeting on _____, prior to the closing date, the _____ *[City Council/Board of Aldermen, Board of Selectmen/Equivalent Governing Body/School Committee]* of _____ *[City/Town]*, in accordance with its charter, by-laws, and ordinances, has voted to authorize the Superintendent to submit to the Massachusetts School Building Authority the Statement of Interest dated _____ for the _____ *[Name of School]* located at _____ *[Address]* which describes and explains the following deficiencies and the priority category(s) for which an application may be submitted to the Massachusetts School Building Authority in the future

_____

_____

_____

_____

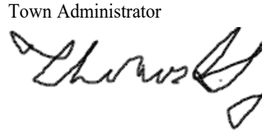
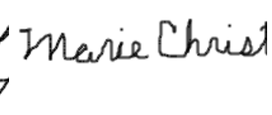
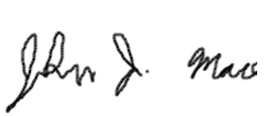
_____

_____; *[Insert a description of the priority(s) checked off on the Statement of Interest Form and a brief description of the deficiency described therein for each priority];* and hereby further specifically acknowledges that by submitting this Statement of Interest Form, the Massachusetts School Building Authority in no way guarantees the acceptance or the approval of an application, the awarding of a grant or any other funding commitment from the Massachusetts School Building Authority, or commits the City/Town/Regional School District to filing an application for funding with the Massachusetts School Building Authority.

Name of School Stoneham High ATTACHMENT A

CERTIFICATIONS

The undersigned hereby certifies that, to the best of his/her knowledge, information and belief, the statements and information contained in this statement of Interest and attached hereto are true and accurate and that this Statement of Interest has been prepared under the direction of the district school committee and the undersigned is duly authorized to submit this Statement of Interest to the Massachusetts School Building Authority. The undersigned also hereby acknowledges and agrees to provide the Massachusetts School Building Authority, upon request by the Authority, any additional information relating to this Statement of Interest that may be required by the Authority.

Chief Executive Officer *	**School Committee Chair**	**Superintendent of Schools**
Thomas Younger	Marie Christie	John Macero
Town Administrator		
		
(signature)	(signature)	(signature)
Date	Date	Date
3/21/2018 10:38:29 AM	3/22/2018 1:28:59 PM	3/21/2018 10:08:53 AM

* Local Chief Executive Officer: In a city or town with a manager form of government, the manager of the municipality; in other cities, the mayor; and in other towns, the board of selectmen unless, in a city or town, some other municipal office is designated to the chief executive office under the provisions of a local charter. Please note, in districts where the Superintendent is also the Local Chief Executive Officer, it is required for the same person to sign the Statement of Interest Certifications twice.

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B. MSBA BOARD ACTION LETTER

Massachusetts School Building Authority

Deborah B. Goldberg *Chairman, State Treasurer*
James A. MacDonald *Chief Executive Officer*
John K. McCarthy *Executive Director / Deputy CEO*

October 30, 2019

Mr. Dennis Sheehan
Stoneham Town Administrator
Stoneham Town Hall
35 Central Street, Second Floor
Stoneham, MA 02180

Re: Town of Stoneham, Stoneham High School

Dear Mr. Sheehan:

I am pleased to report that the Board of the Massachusetts School Building Authority (the "MSBA") has voted to invite the Town of Stoneham (the "Town") to partner with the MSBA in conducting a Feasibility Study for the Stoneham High School. The Board's vote follows the Town's timely completion of all the requirements of the MSBA's Eligibility Period.

I do want to emphasize that this invitation to partner on a Feasibility Study is ***not*** approval of a project but is strictly an invitation to the Town to work with the MSBA to explore potential solutions to the problems that have been identified. Moving forward in the MSBA's process requires collaboration with the MSBA, and communities that "get ahead" of the MSBA without MSBA approval will not be eligible for grant funding. To qualify for any funding from the MSBA, local communities must follow the MSBA's statute, regulations, and policies which require MSBA collaboration and approval at each step of the process.

During the Feasibility Study phase, the Town and the MSBA will partner pursuant to the terms of the Feasibility Study Agreement to find the most fiscally responsible and educationally appropriate solution to the problems identified at the Stoneham High School. The Feasibility Study, which will be conducted pursuant to the MSBA's regulations and policies, requires the Town to work with the MSBA on the procurement of an Owner's Project Manager and Designer, which will help bring the Town's Feasibility Study to fruition.

We will be contacting you soon to discuss these next steps in more detail. In the meantime, however, I wanted to share with you the Board's decision and provide a brief overview of what this means for the Town of Stoneham.

40 Broad Street, Suite 500 • Boston, MA 02109 • Tel: 617-720-4466 • www.MassSchoolBuildings.org

I look forward to continuing to work with you as part of the MSBA's grant program. As always, feel free to contact me or my staff at (617) 720-4466 should you have any questions.

Sincerely,

John K. McCarthy
Executive Director

Cc: Legislative Delegation
Shelly A. MacNeill, Chair, Stoneham Select Board
Nicole Nial, Chair, Stoneham School Committee
John Macero, Superintendent, Stoneham Public Schools
File: 10.2 Letters (Region 3)

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C. DESIGN ENROLLMENT CERTIFICATION

Massachusetts School Building Authority

Deborah B. Goldberg, *Chairman, State Treasurer* | James A. MacDonald, *Chief Executive Officer* | John K. McCarthy, *Executive Director / Deputy CEO*

September 20, 2019

Mr. Dennis Sheehan
Stoneham Town Administrator
Stoneham Town Hall
35 Central Street, Second Floor
Stoneham, MA 02180

Re: Town of Stoneham, Stoneham High School

Dear Mr. Sheehan:

I would like to thank you and representatives of the Town of Stoneham (the "District") for meeting with Massachusetts School Building Authority (the "MSBA") staff on August 27, 2019 to review enrollment projections and methodologies for the Stoneham High School project (the "Proposed Project") and for the additional information received by the MSBA on September 6, 2019. As discussed, the next critical step is for the MSBA and the District to agree on a design enrollment for the Stoneham High School.

The Stoneham High School presently serves all of the District's grade 9-12 enrollment, and accordingly, this analysis will be particularly focused on the enrollment projections for those grades. The MSBA understands that the District would like the Stoneham High School to also serve all of the District's pre-kindergarten ("Pre-K") enrollment. Please note, as discussed during the enrollment meeting on August 27, 2019, the MSBA does not project Pre-K enrollment and the determination of allowable space for Pre-K programming will be determined during the feasibility study phase of the MSBA's process at the time of the review of the District's proposed educational space program for the Proposed Project. Additionally, the MSBA's enrollment recommendations assumes full utilization of all school facilities affected by the proposed project. Accordingly, as part of the Feasibility Study, the District will be required to determine the enrollment capacity of each affected facility anticipated to remain in service and describe the disposition of any existing educational space vacated or reprogrammed as a result of the proposed project.

The table below illustrates the District's K-12 enrollment during the most recent 10-year period, including enrollment for the school year (2018-2019) as reported by the Department of Elementary and Secondary Education ("DESE").

Year	K-4	5-8	9-12	Total
2009	985	813	739	2,537
2010	935	783	730	2,448
2011	886	760	708	2,354

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2012	841	772	677	2,290
2013	828	754	668	2,250
2014	831	745	631	2,207
2015	867	746	642	2,255
2016	879	706	679	2,264
2017	892	687	675	2,254
2018	902	726	669	2,297

The District's total grade 9-12 enrollment as reported by DESE for the most recent school year is 669 students, which reflects decrease of 70 students (-9.5%) from the grade 9-12 enrollment reported in 2009 which was the maximum grade 9-12 enrollment reported in the preceding 10 years. Additionally, the most recent year's grade 9-12 enrollment reflects a decrease of approximately 13 students (-1.9%) from the average grade 9-12 enrollment reported during the preceding 10-year period.

The MSBA understands that the District is proposing a design enrollment to accommodate approximately 750 students in grades 9-12 at the Stoneham High School. The enrollment in grades 9-12 reported to DESE for the 2018-2019 school year at the High School was 669 students.

With respect to future enrollments, the MSBA's base enrollment forecast indicates that the District's grade 9-12 enrollment will continue to experience a declining trend over the next few years then increase gradually through the 2028-2029 school year. The average grade 9-12 base enrollment forecast for the projected period through the 2028-2029 school year is 660 students.

As a result of a sensitivity analysis performed by the MSBA on this base enrollment projection and further discussion with the District, the following adjustments have been made to the base enrollment projection:

- Out-of-District Enrollment
  - In order to adjust for fluctuations to the out-of-district enrollment patterns of the District's residents over time, the MSBA has made an additional adjustment to the base enrollment projection.
  - In order to make this adjustment, the MSBA adjusted the grade to grade survival ratios for grades 9-12 by a total of 3.3% throughout a four-year period in the projection.
  - This adjustment added approximately 15 students to the average grade 9-12 enrollment as compared to the projection without this adjustment.
- Development
  - Based on the discussions between the District and the MSBA, and the anticipated development information provided by the District, the MSBA enrollment model has been adjusted to use the five-year 75th percentile cohort survival rate for the years 2020 and 2021 rather than the five-year average cohort survival rate which is utilized throughout the base enrollment forecast.

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- This adjustment added approximately 20 students to the average total grade 9-12 enrollment as compared to the projection without this adjustment.

Based on the historical enrollment trends of the District and the adjustments, analysis and discussions with the District described above, the MSBA recommends a design enrollment of 695 students in grades 9-12 for the Stoneham High School.

The MSBA believes that this design enrollment recommendation will position the District to efficiently meet space capacity needs throughout future enrollment variations. Please sign and return the attached certification within 21 calendar days to confirm agreement on this design enrollment. If the District feels that this design enrollment does not meet the needs of the District, please respond to this letter via e-mail to Jennifer Flynn and propose three meeting/conference call times for which the District can be available to discuss enrollment.

If you have any questions regarding this matter, please do not hesitate to contact me or Jennifer Flynn (Jennifer.Flynn@massschoolbuildings.org) at 617-720-4466.

Sincerely,

Mary Pichetti
Director of Capital Planning

Cc: Legislative Delegation
Shelly A. MacNeill, Chair, Stoneham Select Board
Rachel Meredith-Warren, Chair, Stoneham School Committee
John Macero, Superintendent, Stoneham Public Schools
File: 10.2 Letters (Region 3)

MASSACHUSETTS SCHOOL BUILDING AUTHORITY
TOWN OF STONEHAM
STONEHAM HIGH SCHOOL
DESIGN ENROLLMENT CERTIFICATION

As a result of a collaborative analysis with the Massachusetts School Building Authority (the "MSBA") of enrollment projections and space capacity needs for the proposed project at Stoneham High School, the Town of Stoneham hereby acknowledges and agrees that the design of the proposed project at Stoneham High School shall be based on an enrollment of no more than 695 students in grades 9-12. The Town of Stoneham further acknowledges and agrees that, pursuant to 963 CMR 2.00 *et seq.*, the MSBA shall determine the square feet per student space allowance and total square footage for a high school serving 695 students in grades 9-12. The Town of Stoneham acknowledges and agrees that it has no right or entitlement to any particular design enrollment, square feet per student space allowance, or total square footage and that it has no right or entitlement to a design enrollment any greater than 695 students for Stoneham High School, and further acknowledges and agrees that it shall not bring any claim or action, legal or equitable, against the MSBA, or any of its officers or employees, for the purpose of obtaining an increase in the design enrollment of Stoneham High School that it has acknowledged and agreed to herein. The Town of Stoneham further acknowledges and agrees that, among other things, the design enrollment, square feet per student space allowance, and total square footage of Stoneham High School shall be subject to the approval of the MSBA's Board and that the final approval of a proposed project at Stoneham High School shall be within the sole discretion of the MSBA's Board.

The undersigned, for themselves and the Town of Stoneham, hereby certify that they have read and understand the contents of this Design Enrollment Certification and that each of the above statements is true, complete and accurate. The undersigned also hereby certify that they have been duly authorized by the appropriate governmental body to execute this Certification on behalf of the Town of Stoneham and to bind the Town of Stoneham to its terms.

Chief Executive Officer

9/25/19
Date

Nicole Trial
Duly Authorized Representative of School Committee

9/25/19
Date

Superintendent of Schools

9-25-19
Date

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D. GEOTECHNICAL REPORT

LGCI
Lahlaf Geotechnical Consulting, Inc.

October 1, 2020

Mr. Liu Xi, AIA
Perkins & Will Architects, Inc.
225 Franklin Street, Suite 1110
Boston, MA 02110
Phone: (617) 406-3440
Mobile: (617) 953-3812
E-mail: xi.liu@perkinswill.com

Re: **Preliminary Geotechnical Report**
Proposed Stoneham High School
Stoneham, Massachusetts
LGCI Project No. 2022

Dear Mr. Xi:

Lahlaf Geotechnical Consulting, Inc. (LGCI) has completed a geotechnical study for the proposed Stoneham High School in Stoneham, Massachusetts. This report, submitted in pdf format, includes the results our preliminary study.

The soil and rock samples from our explorations are currently stored at LGCI for further analysis, if requested. Unless notified otherwise, we will dispose of the soil samples after three months.

Thank you for choosing LGCI as your geotechnical engineer.

Very truly yours,

Lahlaf Geotechnical Consulting, Inc.



Abdelmadjid M. Lahlaf, Ph.D., P.E.
Principal Engineer

LGCI
Lahlaf Geotechnical Consulting, Inc.

PRELIMINARY GEOTECHNICAL REPORT
PROPOSED STONEHAM HIGH SCHOOL
STONEHAM, MASSACHUSETTS
LGCI Project No. 2022
October 1, 2020

Prepared for:

PERKINS & WILL ARCHITECTS, INC.
225 Franklin Street, Suite 1110
Boston, MA 02110
Phone: (617) 406-3440
Mobile: (617) 953-3812
E-mail: xi.liu@perkinswill.com

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PRELIMINARY GEOTECHNICAL REPORT
PROPOSED STONEHAM HIGH SCHOOL
STONEHAM, MASSACHUSETTS
LGCI Project No. 2022
October 1, 2020

Prepared for:

PERKINS & WILL ARCHITECTS, INC.
225 Franklin Street, Suite 1110
Boston, MA 02110
Phone: (617) 406-3440
Mobile: (617) 953-3812
E-mail: xi.liu@perkinswill.com

Prepared by:

LAHLAF GEOTECHNICAL CONSULTING, INC.
100 Chelmsford Road, Suite 2
Billerica, Massachusetts 01862
Phone: (978) 330-5912
Fax: (978) 330-5056



Abdelmadjid M. Lahlaf, Ph.D., P.E.
Principal Engineer

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Preliminary Geotechnical Report
Proposed Stoneham High School
Stoneham, Massachusetts
LGCI Project No. 2022

1. PROJECT INFORMATION

1.1 Project Authorization

This geotechnical report presents the results of the subsurface explorations and a geotechnical evaluation performed by Lahlaf Geotechnical Consulting, Inc. (LGCI) for the proposed Stoneham High School in Stoneham, Massachusetts. We performed our services in general accordance with the scope described in our proposal No. 20051-Rev.1 dated July 9 and revised on July 27, 2020. Our services were authorized by Ms. Brooke Trivas of Perkins & Will Architects, Inc. (Perkins & Will) in an email dated July 23, 2020.

1.2 Purpose and Scope of Services

The purpose of our geotechnical services was to perform subsurface explorations at the site and to provide foundation design and construction recommendations. LGCI performed the following services:

- Performed a desk review that included reviewing available information about the site, including the geologic data available from the US Geological Survey, data from the US Department of Agriculture Coordinated, and logs of previous borings advanced at the site by others.
- Coordinated our boring locations with Perkins & Will and with the School staff.
- Marked the boring locations at the site and notified Dig Safe Systems Inc. (Dig Safe) and the Town of Stoneham for utility clearance.
- Engaged a drilling subcontractor to advance seven (7) borings at the site.
- Provided an LGCI geotechnical engineer at the site to coordinate and observe the borings, describe the soil samples, and prepare field logs.
- Submitted two (2) soil samples for laboratory testing.
- Prepared this preliminary geotechnical report containing the results of our preliminary subsurface explorations and our preliminary recommendations for foundation design and construction.

We understand that LGCI will perform additional explorations at the site under a separate agreement after the proposed building layout, size, and location are established.



LGCI's scope of services does not include an environmental assessment for the presence or absence of wetlands or analytical testing for hazardous or toxic materials in the soil, surface water, groundwater, or air, on or below or around this site, or mold in the soil or in any structure at the site. Any statements regarding odors, colors, or unusual or suspicious items or conditions are strictly for the information of the client.

Our scope does not include attending meetings, reviewing specifications and drawings, or performing field services. We will be pleased to perform these services for an additional fee. Recommendations for unsupported slopes, stormwater management, erosion control, pavement design, site specifics liquefaction analysis, slope stability analyses, and detailed cost or quantity estimates are not included in our scope of work. Our scope does not include environmental services.

1.3 References

LGCI's understanding of the site is based on our observations at the site, and on the following drawings and reports:

- Drawing G1 titled: "Site Plan, Junior High School, Franklin Street. Stoneham, Mass," (1966 Site Plan) prepared by Korslund, LeNormand & Quann, Inc., dated January 10, 1966, and provided to us by Perkins & Will via e-mail on July 7, 2020.

- Drawing G2 titled: "Site Plan and Details, Junior High School, Franklin Street. Stoneham, Mass," (1966 Site Details) prepared by Korslund, LeNormand & Quann, Inc., dated January 10, 1966, and provided to us by Perkins & Will via e-mail on July 7, 2020.

- Document titled: "Stoneham High School, Preliminary Design Study," (Preliminary Design Study) Volumes 1 and 2, Prepared by HMFH Architects, dated March 12, 2018, and provided to us by Perkins & Will via e-mail on July 7, 2020.

- Report titled: "Proposed Field Turf Investigations and Analyses, High School, 149 Franklin Street, Stoneham, MA," (Previous Turf Field Explorations) prepared by Briggs Engineering and Testing, dated September 17, 2014, and provided to us by Warner Larson Landscape Architects via e-mail on July 15, 2020.

- "Custom Soil Resource Report for Middlesex County, Massachusetts", (Soil Survey Report) National Cooperative Soil Survey/National Resources Conservation Services, USDA (Map and soil description printed July 29, 2020 from the following website https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx).

- Drawings EX-1 to EX-12 titled: "Topographic Survey, Stoneham High School, 149 Franklin Street, Stoneham, MA," (Topographic Survey) prepared by Nitsch Engineering, Inc., dated September 10, 2020 and provided to LGCI by Perkins & Will via e-mail on September 14, 2020.

- Document titled: "Building Committee Meeting Design Alternatives," (Design Alternatives) prepared by Perkins & Will, dated August 31, 2020, provided to us by Perkins & Will via e-mail on September 1, 2020.

1.4 Site Description

We understand that the site of the existing Stoneham High School is being considered for the proposed construction. The existing Stoneham High School is located at 149 Franklin Street, Stoneham, Massachusetts as shown in Figure 1. The site is bordered by Franklin Street on the northern side, and by residential properties on the other three sides. A body of water is located near the southwestern corner of the site. The site is occupied by the existing Stoneham High School, parking lots, driveways, tennis courts, and athletic fields. The existing school consists of several interconnected buildings with eight (8) tennis courts, a paved parking lot, and open grass (practice) fields on the eastern side; long two-way driveway, a small paved parking lot, and a baseball field, on the northern side; a baseball field, two (2) soccer fields, one (1) football field on the western side, and an open grass field and a paved driveway (that loops around the existing building) on the southern side.

The site topography is variable with the grades generally rising from Franklin Street towards the rear (southern side) of the site. Based on the 1966 Site Plan, the 1966 Site Details and Topographic Survey, the existing grade is at about El. 190 feet around the existing building and drops in a northerly direction toward Franklin Street to about El. 171 feet. The tennis courts on the eastern side are terraced between about El. 185 feet and El. 197 feet. The grade ranges between about El. 186 feet and El. 192 feet in the parking lot and practice fields on the eastern side. On the southern side the grade drops from about El. 190 feet near the existing building to a level area at about El. 180 feet then drops steeply to about El. 172 feet. On the western side, the grade drops from about El. 190 near the existing building to the driveway loop, which slopes in a northerly direction from about El. 180 feet to El 176 feet. The grades on the western side are terraced from the driveway loop to about El. 168 feet at the football field, and from the main driveway to between El. 168 feet and El. 173 feet in the baseball field and southern soccer fields on the western side of the main driveway.

Based on the site topography and the historical topo maps, included in Appendix A, it appears that the site has been cut and filled to achieve the current terraced topography.

Based on the Preliminary Design Study, the existing high school building is supported on conventional, shallow, reinforced concrete spread and continuous wall footings. The design allowable bearing pressure for the existing footings was 5 tons per square foot (tsf) for footings bearing on rock and 2 tsf for footings bearing on natural sand. Based on the Preliminary Design Study, there does not appear to be perimeter foundation drains or under slab drains. The Preliminary Design Study included an assessment that the foundations appear to be in a good condition with no significant sign of settlement.

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1.5 Project Description

Our understanding of the proposed construction is based on our discussions with Perkins & Will and on the documents listed in Section 1.3.

We understand that the Town of Stoneham is considering the site of the existing high school for the new (proposed) Stoneham High School. We understand that at this time, the options of rehabilitating the existing building with providing additions, and constructing a new building are both being considered.

Based on the Design Alternatives, seven (7) options are being considered as follows:

- Design Alternative 1 – Renovation Only – This alternative consists of renovating the existing building.

- Design Alternative 2 – Renovation Addition 1 (RA1)– This alternative consists of constructing renovation additions on the northern side of the existing building. Under this alternative, part of the existing building will be demolished to allow for the construction of new athletic fields.

- Design Alternative 3 – Renovation Addition 2 (RA2)– This alternative consists of constructing renovation additions on the western side of the existing building. Under this alternative, part of the existing building will be demolished to allow for the construction of new athletic fields and parking lots.

- Design Alternative 4 – New Construction 1 (NC1) –This alternative consists of constructing a new building on the northern side of the existing building. Under this alternative, the existing building will be demolished to allow for the construction of new athletic fields.

- Design Alternative 5 – New Construction 2 (NC2) – This alternative consists of constructing a new building on the northern and eastern side of the existing building. Under this alternative, the existing building will be demolished to allow for the construction of new athletic fields.

- Design Alternative 6 – New Construction 3 (NC3) – This alternative consists of constructing a new building on the northern side of the existing building. Under this alternative, the existing building will be demolished to allow for the construction of new athletic fields.

- Design Alternative 7 – New Construction 4 (NC4) – This alternative consists of constructing a new building on the eastern side of the existing building. Under this alternative, the existing building will be demolished to allow for the construction of new athletic fields and parking lots.

We understand that the proposed finished floor elevation (FFE), layout of the proposed paved areas and athletic fields, and finished exterior grades have not been established.

1.6 Elevation Datum

Based on the 1966 Site Plan, the elevations referenced in the 1966 Site Plan are with respect to the United States Coast and Geodetic (U.S.C.&G) Survey Datum and are in feet.

Based on the Topographic Survey, the elevations referenced in the Topographic Survey are with respect to the North American Vertical Datum of 1988 (NAVD 83) and are in feet.

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2. SITE AND SUBSURFACE CONDITIONS

2.1 Surficial Geology

LGCI reviewed the following surficial geologic map: "Surficial Materials Map of the Boston North Quadrangle, Massachusetts," prepared by Byron D. Stone and M. L. DiGiacomo-Cohen for U.S. Geological Survey, Scientific Investigations Map 3402, Quadrangle 125 - Boston North.

The Surficial Geologic Map indicates that the natural soils in the general vicinity of the site mostly consist of the following

- Thin Till – The thin till is described as non-sorted, non-stratified matrix of sand, some silt, and little clay that contains scattered pebbles, cobbles and boulders. The thin till is generally less than 10 to 15 feet thick.

- Coarse Deposits – The coarse deposits consist of sand, sand and gravel, and gravel deposits. The sand deposits are comprised mostly of fine to coarse sand. Coarser layers may contain up to 25 percent gravel. Finer layers may contain very fine sand, silt and clay. The sand and gravel deposits occur as a mixture of gravel and sand within individual layers and as alternating layers of sand and gravel. The sand and gravel layers range between 25 and 50 percent gravel and 50 to 75 percent sand. The gravel deposits are comprised of at least 50 percent gravel, cobbles, and boulders. Sand occurs within gravel beds and as separate layers within the gravel.

- Bedrock Outcrops – The Surficial Geologic Map indicated the presence of abundant rock outcrops on the eastern and western sides of the site.

The Surficial Geologic Map of the site is shown in Figure 2.

2.2 Soil Survey Report

Based on the Soil Survey Report listed in Section 1, the soils at the site are classified primarily as follows:

- Urban Land – Urban Land is defined as excavated and filled land.

- Charlton-Urban Land-Hollis Complex - Charlton soils are defined as well drained drumlin and ground moraines, and Hollis soils are defined as well drained ridges and hillslopes. Based on the Soil Survey Report the Charlton soils is generally comprised of up to 5 inches of fine sandy loam, overlying up to 17 inches of sand loam, overlying about up to 43 inches of gravelly sandy loam. The groundwater table is typically deeper than 80 inches. The Hollis soils are generally comprised of 2 inches of sandy loam, overlying up to 12 inches of fine sandy loam, overlying unweathered bedrock.

- Udorthents, wet substratum - Udorthents, wet substratum are defined in the Soil Survey Report as "loamy alluvium and/or sandy glaciofluvial deposits and/or loamy glaciolacustrine deposits and/or marine deposits and/or loamy basal till and/or loamy lodgment till." The groundwater table is typically deeper than 80 inches.

A copy of the Soil Survey Report and Map are included in Appendix B.

2.3 Previous Explorations

Based on the Previous Turf Field Explorations, seven (7) borings (B-1 to B-7) and eight (8) test pits (TP-1 to TP-8) were performed at the site within the existing soccer fields and football field. Borings B-1, B-2, B-3, B-5 to B-6, and B-7 extended to depths ranging between 2.4 and 6.7 feet beneath the ground surface. Boring B-4 extended up to a depth of 12 feet beneath the ground surface. Test pits TP-1 to TP-8 were hand excavated that extended to depths ranging between 0.9 and 2.5 feet beneath the ground surface.

The borings generally indicated topsoil overlaying fill. The fill consisted of silty sand or gravelly silty sand. The topsoil was generally described as fine sand with trace amounts of silt and gravel. The silty sand fill underlying the topsoil was generally described as a fine to coarse gray brown sand with trace amounts of clayey silt and gravel. The gravelly silty sand fill underlying the topsoil was described as a fine to coarse brown sand with some gravel and trace amounts of silt. Buried asphalt was encountered beneath the fill in borings B-2, B-3, and B-4. Gravelly silty sand glacial till was encountered beneath the fill or buried asphalt. The (SPT) N values ranged between 10 and 110 bpf, with most values greater than 50 bpf, indicating dense to very dense material. The high SPT N-values may be caused by obstructions in the soil. All borings terminated on refusal. The test pits generally indicated topsoil overlaying gravelly silty sand fill. The test pits were terminated on refusal at shallow depths.

Grain-size analyses were conducted on two (2) composited soil samples collected from the borings. The samples were generally described as silty sand with 13.9 to 14.3 percent fines, and 24 to 43 percent gravel.

The locations and the logs of the previous borings and test pits are included in Appendix C.

2.4 LGCI's Borings

2.4.1 General

LGCI coordinated our exploration locations with Perkins & Will and marked the exploration locations in the field by taping distances from the physical landmarks. LGCI notified Dig Safe for utility clearance prior to starting our explorations at the site.

Unless notified otherwise, we will dispose of the soil and rock samples obtained during our explorations after three months.

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2.4.2 LGCI Explorations

2.4.2.1 Soil Borings

LGCI engaged Northern Drill Service, Inc. (NDS) of Northborough, Massachusetts to advance seven (7) borings (B-1 to B-7) on September 14 and 15, 2020. The borings were advanced with a Diedrich D-25 using drive and wash techniques with a 4-inch casing. The borings extended to depths ranging between 4 feet and 20 feet beneath the ground surface. Upon completion, the boreholes were backfilled with the soil cuttings and gravel. The ground surface was restored with asphalt cold patch in paved areas and with a grass patch in the athletic fields.

NDS performed Standard Penetration Tests (SPT) during drilling and obtained split spoon samples in the borings with an automatic hammer at typical depth intervals of 2 feet or 5 feet as noted on the boring logs in general accordance with ASTM D-1586.

An LGCI engineer observed and logged the borings in the field.

2.4.2.1 Soil Boring Logs and Locations

The boring locations are shown in Figure 3. Appendix D contains LGCI's boring logs. Table 1 includes a summary of LGCI's borings.

The ground surface elevations included in the boring logs were interpolated to the nearest foot from the Topographic Survey listed in Section 1.3. Please note that our boring locations were located using taped measurements and were not surveyed; therefore, the estimated ground surface elevations are approximate.

2.5 Subsurface Conditions

The subsurface description in this report is based on a limited number of borings and is intended to highlight the major soil strata encountered during our borings. The subsurface conditions are known only at the actual boring locations. Variations may occur and should be expected between boring locations. The boring logs represent conditions that we observed at the time of our borings, and were edited, as appropriate, based on the results of the laboratory test data and inspection of the soil samples in the laboratory. The strata boundaries shown in our boring logs are based on our interpretations and the actual transitions may be gradual. Graphic soil symbols are for illustration only.

The soil strata encountered in the borings were as follows, starting at the ground surface.

Asphalt/Topsoil – Asphalt was encountered at the ground surface in borings B-3 and B-5. The thickness of the asphalt was approximately 3 inches. Topsoil was encountered at the ground surface in borings B-1, B-2, B-4, and B-7. The topsoil extended to depths ranging between 0.7

and 1.4 feet beneath the ground surface. No subsoil (fine sandy material that contain organic matter) was observed in our borings. However, subsoil may be present at the site, especially in previously undisturbed areas.

Fill – A layer of fill was encountered beneath the asphalt or topsoil in all the borings except B-6 where the fill was encountered at the ground surface. The fill extended to depths ranging between 2.0 and 12.1 feet beneath the ground surface. The fill extended to the termination depths for borings B-2, B-3, B-4, and B-7. The samples in this layer were mostly described as silty sand and occasionally as poorly graded sand. Five (5) samples were described as poorly graded gravel and two (2) samples were described as silty gravel. The fines content in the fill ranged between 0 and 30 percent, and the gravel content ranged between 5 and 35 percent. The samples that were described as gravel contained up to 20 percent sand. The fill contained traces of organic soil and roots. The fill also contained cobbles and boulders.

The standard penetration test (SPT) N-values in this layer ranged between 5 and 88 blows per foot (bpf). The low SPT N-values indicated a loose sand. We believe that the high SPT N-values may be caused by obstructions in the fill and do not represent the true density of the fill.

Please note that the drillers lost drilling water during drilling in the fill in most of the borings, indicating that the fill possibly contains voids. This observation combined with the observation of hard drilling and the split spoon or casing refusals encountered within the fill layer, suggest that the fill likely contains blasted rock. In consideration of the above, we believe that the fill is deeper than indicated in our borings. We recommend that the existing fill be explored during the next phase of the project using test pits.

Buried Organic Soil – A layer of buried organic soil was encountered beneath the fill layer in boring B-5. The thickness of the buried organic soil was 22 inches.

Sand – A layer of sand was encountered beneath the fill in boring B-1 and extended to the termination depth of 20.0 feet beneath the ground surface.

Four (4) samples were obtained in this layer: two (2) samples were described as poorly graded sand, one (1) sample was described as silt, and one (1) sample was described as silty gravel. The fines content in the sand ranged between 10 and 20 percent, and the gravel content ranged between 5 and 15 percent. When the samples were described as silt or gravel, they contained up to 25 percent sand.

The SPT N-values in this layer ranged between 11 and 43 bpf indicating mostly medium dense to dense sand.

Bedrock – Bedrock was encountered beneath the fill or buried organic soil in borings B-5 and B-6 at depths of 3.8 and 3.5 feet beneath the ground surface, respectively. To confirm and characterize the rock, one (1) rock core was obtained in boring B-5. The rock core bit jammed twice at depths of 5.8 feet and 9.0 feet during the rock coring. The rock core barrel was retracted

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and cleared to continue rock coring. The rock generally consisted of hard to very hard, slightly weathered to fresh, extremely fractured to sound, fine-grained, gray Granodiorite.

The recovery value was 97 percent and the Rock Quality Designation Percentage (RQD) was 87 percent.

2.6 Groundwater

Groundwater was encountered in borings B-1, B-4, and B-5 at depths ranging between 3.5 feet and 9 feet beneath ground surface as shown in Table 1 and in the boring logs.

The groundwater information reported herein is based on observations made during or shortly after the completion of drilling and excavation, and may not represent the actual groundwater conditions. Furthermore, the drilling procedure introduced water into the boreholes; therefore, additional time may be required for the groundwater levels to stabilize. The groundwater information presented in this report only represents the conditions encountered at the time and location of the explorations. Seasonal fluctuation should be anticipated.

2.7 Laboratory Test Data

LGCI submitted two (2) soil samples collected from the borings for grain-size analysis. The results of the grain-size analyses are provided in the test data sheets included in Appendix E and are summarized in the table below.

Grain-Size Analysis Test Results

Boring No.	Sample No.	Stratum	Sample depth (ft.)	Percent Gravel	Percent Sand	Percent Fines
B-3	S4	Fill	6.0 – 8.0	79.5	18.9	1.6
B-7	S1 Bot. 9"	Fill	0.0 – 2.0	34.0	46.8	19.2

3. EVALUATION AND RECOMMENDATIONS

3.1 General

Based on our understanding of the proposed construction, our observation of the borings, and the results of our laboratory testing, there are a few issues that we would like to highlight for consideration and discussion.

We anticipate that the major consideration during construction will be the removal of the existing fill, and the handling and stockpiling of the excavated materials. Excavated topsoil and subsoil, if any, and the buried organic soil should be stockpiled separately from the excavated existing fill as described below.

3.1.1 Surficial Topsoil

Asphalt, surficial organic topsoil, existing fill, and buried organic soil were encountered in the borings. These materials are not suitable to support the proposed building and paved areas and should be removed as described below.

- The surficial topsoil and subsoil, if any, should be entirely removed from within the proposed building footprint.

- In paved areas, we recommend entirely removing the surficial topsoil. We recommend removing the subsoil, if any, or the existing fill to the top of the natural sand, or to a minimum depth of 18 inches beneath the bottom of the proposed pavement, whichever occurs first. Where subsoil is encountered and extends to depths greater than 18 inches beneath the bottom of the proposed pavement, the subsoil deeper than 18 inches beneath the bottom of the proposed pavement may remain in place provided that it is improved in accordance with the recommendations in Section 4.1. The removal of the topsoil and subsoil, if any, should laterally extend 5 feet outside the limits of improvement areas.

3.1.2 Existing Fill and Buried Organic soil

- The existing fill was observed to be variable in composition and density. In addition, variable amounts of organic matter, cobble, and boulders were noted in the fill. Existing fill that was not placed with strict moisture, density, and gradation control presents risk of unpredictable settlement that may result in poor performance of floor slabs and foundations. Due to these risks, the existing fill should be entirely removed from within the proposed building footprint and replaced with Structural Fill. The removal should extend beyond the limits of the proposed building a distance equal to the distance between the bottom of the proposed footings and the natural soil or 5 feet, whichever is greater. The removal should also extend at least (2) feet on each side for proposed retaining walls.

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- The existing fill should be improved within the proposed paved areas and athletic fields as described in Section 4.1.

3.1.3 Shallow Foundations and Slab-on-grade

- After the surficial topsoil, subsoil, if any, and existing fill are entirely removed from within the proposed building footprint and from under the proposed retaining wall, the proposed building and retaining wall may be supported on shallow footings bearing in the natural sand or on Structural Fill placed directly on top of the natural sand. Due to the susceptibility of the natural sand to disturbance, we recommend placing footings on minimum of 6 inches of Structural Fill.

- The proposed slab may be designed as a slab-on-grade supported on Structural Fill placed directly on top of the natural sand.

3.1.4 Silt Content

The existing fill and the natural soil are very silty. Silty soils are very susceptible to disturbance when exposed to moisture. Care should be exercised during construction to maintain a dry working subgrade and to provide working mats, e.g., crushed stone or concrete mud mats, to reduce the potential for disturbance of the foundation subgrade and to improve working conditions.

3.1.5 Reuse of Onsite Materials

Some of the natural sand and fill, free of organic matter, may be used as Ordinary Fill. Additional recommendations for fill materials and reuse of onsite materials are presented in Sections 4.3 and 4.4, respectively.

The contractor may consider mobilizing a rock crusher to the site. Existing cobble and boulders and imported blasted rock can be processed by blending them with the existing fill and natural soil and crushing them to produce a well graded material. Processed material obtained by crushing blasted rock, boulders, and soil should meet the gradation requirements of Ordinary Fill and Structural Fill. Material produced by the crushing operation should be well graded so as to reduce the potential for formation of honeycombs during its placement and compaction.

3.1.6 Additional Explorations

To further delineate the limits of and characterize the existing fill, and to explore for possible buried organic soil, we recommend performing additional explorations, including soil borings and test pits during the next phase of the project after the proposed building layout, size, and locations have been established. We believe that test pits are more suited for areas where the fill contains large cobbles and boulders. We recommend advancing at least (16)



additional borings and excavating at least twelve test pits. The borings should extend at least 10 feet into the natural soil or5 feet into bedrock. The test pits should extend to the bottom of the existing fill and/or buried organic soil. We recommend installing at least three (3) groundwater observation well in in three (3) borings (one each).

In addition, we recommend that the Earth Moving Specifications be prepared with a requirement to have the site contractor perform test pits ahead of the excavations to explore for possible presence of buried organic soils in paved areas before improving the existing fill.

Our recommendations for footing design are presented in Section 3.2.1. Our estimates for settlement are presented in Section 3.2.2. Our concrete slab considerations are presented in Section 3.3 and the lateral earth pressure recommendations are presented in Section 3.6. Section 4.1 provides recommendations for preparation of subgrades.

3.2 Foundation Recommendations

3.2.1 Footing Design

- For footings supported on a minimum of 6 inches of Structural Fill placed directly over the natural sand after removing the surficial topsoil, the subsoil, if any, and the existing fill, we recommend a net allowable bearing pressure of 4 kips per square foot (ksf).

- Footing subgrades should be prepared in accordance with the recommendations in Section 4.1.

- All foundations should be designed in accordance with *The Commonwealth of Massachusetts State Building Code 780 CMR, ninth Edition* (MSBC 9th Edition).

- Exterior footings and footings in unheated areas should be placed at a minimum depth of 4 feet below the final exterior grade to provide adequate frost protection. Interior footings in heated areas may be designed and constructed at a minimum depth of 2 feet below finished floor grades.

- Wall footings should be designed and constructed with continuous, longitudinal steel reinforcement for greater bending strength to span across small areas of loose or soft soils that may go undetected during construction.

- A representative of LGCI should be engaged to observe that the subgrade has been prepared in accordance with our recommendations.

3.2.2 Settlement Estimate

For footings designed using the net allowable bearing pressure recommended above, we anticipate that the settlement will be about 1 inch and that the differential settlement of the



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footings will be 3/4 inch or less, over 25 feet. Total and differential settlements of these magnitudes are usually considered tolerable for the anticipated construction. As the design progresses and the settlement estimates are refined, the tolerance of the proposed structure to the predicted total and differential settlements should be assessed by the structural engineer.

3.3 Concrete Slab Considerations

- Floor slabs can be constructed as slabs-on-grade bearing on a minimum of 12 inches of Structural Fill placed directly on top of the natural sand. The subgrade of the slabs should be prepared as described in Section 4.1.

- To reduce the potential for dampness in the proposed floor slabs, the project architect may consider placing a vapor barrier beneath the floor slabs. The vapor barrier should be protected from puncture during construction of the slabs.

- For the design of the floor slabs bearing on the materials described above, we recommend using a modulus of subgrade reaction, k_{s1}, of 80 tons per cubic foot (tcf). Please note that the values of k_{s1} are for a 1 x 1 square foot area. These values should be adjusted for larger areas using the following expression:

$$Modulus\ of\ Subgrade\ \mathrm{Re}action\ (k_s) = k_{s1} * \left(\frac{B+1}{2B}\right)^2$$

where:
k_s = Coefficient of vertical subgrade reaction for loaded area,
k_{s1} = Coefficient of vertical subgrade reaction for 1 x 1 square foot area, and
B = Width of area loaded, in feet.

Please note that cracking of slabs-on-grade can occur as a result of heaving or compression of the underlying soil, but also as a result of concrete curing stresses. To reduce the potential for cracking, the precautions listed below should be closely followed for construction of all slabs-on-grade:

- Construction joints should be provided between the floor slab and the walls and columns in accordance with the American Concrete Institute (ACI) requirements, or other applicable code.

- Backfill in interior utility trenches should be properly compacted.

3.4 Under-slab Drains

Based on the current groundwater levels observed in the explorations, we anticipate that under-slab drainage systems will not be required under the proposed building. This recommendation will be revised after additional explorations are completed at the site and after the proposed FFE is established.

3.5 Seismic Design

In accordance with Section 1613 of MSBC 9th Edition and International Building Code (2015 IBC) and based on the boring data, the seismic criteria for the site are as follows:

- Site Class: D
- Spectral Response Acceleration at short period (Ss): 0.229g
- Spectral Response Acceleration at 1 sec. (S_1): 0.071g
- Site Coefficient Fa (Table 1613.5.3(1)): 1.6
- Site Coefficient Fv (Table 1613.5.3(2): 2.4
- Adjusted spectral response S_{MS}: 0.366 g
- Adjusted spectral responses S_{M1}: 0.170 g

Based on the boring information, we believe the site soils are not susceptible to liquefaction.

3.6 Lateral Pressures for Wall Design

3.6.1 Lateral Earth Pressures

Lateral earth pressures recommended for design of below grade building walls, if any, or site retaining walls are provided below.

Coefficient of Active Earth Pressure, K_A:	0.33
Coefficient of At-Rest Earth Pressure, K_o:	0.50
Coefficient of Passive Earth Pressure, K_p:	3.0
Total Unit Weight γ:	125 pcf

Note: The values in the table are based on a friction angle for the backfill of 30 degrees and neglecting friction between the backfill and the wall. The design active and passive coefficients are based on horizontal surfaces (non-sloping backfill) on both the active and passive sides, and a vertical wall face.

- Exterior walls of below ground spaces, and retaining walls braced at the top to restrain movement/rotation, should be designed using the "at-rest" pressure coefficient.

- We recommend placing free-draining material within the 3 feet immediately behind the retaining wall. We recommend providing weep holes in site walls to promote drainage where possible, or a pipe should be placed at the base of the wall to collect the

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groundwater. Groundwater collected by the wall drains should be discharged in a lower area if gravity flow is possible.

- Passive earth pressures should only be used at the toe of the wall where special measures or provisions are taken to prevent disturbance or future removal of the soil on the passive side of the wall, or in areas where the wall design includes a key. In any case, the passive pressures should be neglected in the top 2 feet.

- Where a permanent vertical uniform load will be applied on the active side immediately adjacent to the wall, a horizontal surcharge load equal to half of the uniform vertical load should be applied over the height of the wall. At a minimum, a temporary construction surcharge of 100 psf should be applied uniformly over the height of the wall.

- We recommend using an ultimate friction factor of 0.50 between the natural sand and the bottom of the wall. Below grade walls should be designed for minimum factors of safety of 1.5 for sliding and 2.0 for overturning.

3.6.2 Seismic Pressures

In accordance with MSBC 9th Edition, Section 1610, a lateral earthquake force equal to $0.100*(S_s)*(F_a)*\gamma*H^2$ should be included in the design of walls (for horizontal backfill), where S_s is the maximum considered earthquake spectral response acceleration (defined in Section 3.5), F_a is the site coefficient (defined in Section 3.5), γ is the total unit weight of the soil backfill, and H is the height of the wall.

The earthquake force should be distributed as an inverted triangle over the height of the wall. In accordance with MSBC 9th Edition, Section 1610.2, a load factor of 1.43 shall be applied to the earthquake force for wall strength design.

Temporary surcharges should not be included when designing for earthquake loads. Surcharge loads applied for extended periods of time shall be included in the total static lateral soil pressure and their earthquake lateral force shall be computed and added to the force determined above.

3.6.3 Perimeter and Wall Drains

- We recommend that free-draining material be placed within 3 feet of the below grade spaces, if any. To reduce the potential for dampness in below-ground spaces, perimeter walls of the proposed below-ground spaces, if any, should be damp-proofed.

- We recommend that drains be provided behind the exterior of walls of below-ground spaces, and behind site retaining wall. The drains should consist of 6-inch perforated PVC pipes installed with the slots facing down. Perimeter drains should be installed at the

bottom of the wall in 18 inches of crushed stone wrapped in a geotextile fabric for separation and filtration. Site retaining wall may be designed with weep holes discharging near the bottom of the face of the wall.

- Groundwater collected by the wall drains could be discharged in a lower area if gravity flow is possible. Alternatively, it should be discharged into the street drains. A permit would be required for discharge into street drains.

3.7 Pavement Considerations

3.7.1 General

The subsurface conditions encountered at the site are generally suitable to support the proposed driveway, after preparation of the subgrade as described in Section 4.1.

- We recommend entirely removing the forest mat/topsoil from within the footprint of the proposed driveway.

- The subsoil, if any, should be removed in accordance with the recommendations in Sections 3.1.1 and 4.1.

- The existing fill should be improved in accordance with the recommendations in Section 4.1.

- Cobbles and boulders should be removed to at least 18 inches below the bottom of the pavement.

3.7.2 Exterior Slabs

- Exterior slabs should be placed on a minimum of 12 inches of Structural Fill with less than 5 percent fines.

- To reduce the potential for heave caused by surface water penetrating under the concrete panels, the joints between the concrete sections should be sealed with a waterproof compound. The exterior slabs should be sloped away from the building or other vertical surfaces to promote flow of water. To the extent possible, roof leaders should not discharge onto exterior slab surfaces.

- Based on the groundwater levels measured during our explorations, we do not believe that sidewalk drains are needed. LGCI will update this recommendation after additional explorations are performed and groundwater observation wells are installed at the site.

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3.7.3 Pavement Sections

The proposed driveways and parking areas should be constructed with minimum asphalt and subbase thicknesses in accordance with the recommendations and details prepared by the project civil engineer. At a minimum, the following typical pavement sections should be used.

A typical, minimum, standard-duty pavement section that could be used for parking areas is as follows:

1.5"	Asphalt "Top Course"
2.0"	Asphalt "Base Course"
8"	Processed Gravel for Sub-Base (MassDOT M1.03.1)

A typical, minimum, heavy-duty pavement section that could be used for driveways and areas of heavy truck traffic is as follows:

2.0"	Asphalt "Top Course"
2.5"	Asphalt "Base Course"
12"	Processed Gravel for Sub-Base (MassDOT M1.03.1)

The pavement sections shown above represent minimum thicknesses representative of typical local construction practices for similar use. Periodic maintenance should be anticipated.

Pavement material types and construction procedures should conform to specifications of the "Standard Specifications for Highways and Bridges," prepared by the Commonwealth of Massachusetts Department of Public Works and dated 1988 (with the latest Supplemental Specifications).

4. CONSTRUCTION CONSIDERATIONS

4.1 Subgrade Preparation

- Existing asphalt, topsoil, subsoil, if any, organic materials, existing fill, abandoned utilities, buried foundations, and other below-ground structures should be entirely removed from within the footprint of the proposed building and site structures, including site retaining walls, and exterior stairs, if any, before the start of foundation work.

- Tree stumps, root balls, and roots larger than ½ inch in diameter should be removed and the cavities filled with suitable material and compacted per Section 4.3 of this report.

- Topsoil, root balls, organic material, and other deleterious material should be entirely removed from within the proposed paved areas.

- The site contractor should note that the surficial materials at the site may contain large boulders.

- Cobbles and boulders should be removed at least 6 inches from beneath footings, and 24 inches beneath the bottom of proposed slabs, 24 inches beneath the bottom of the asphalt in paved areas, and 24 inches beneath the base material of the turf in the proposed athletic fields. The resulting excavations should be backfilled with compacted Structural Fill within the proposed building and with Ordinary Fill under the subbase of paved areas and under the base material in athletic fields.

- The base material of athletic fields should conform to the gradation and placement requirements of the landscape architect or the manufacturer/installer of synthetic turf.

- Due to the high susceptibility of the natural soil for disturbance under foot and vehicular traffic, we recommend placing a minimum of 6 inches of Structural Fill at the bottom of the excavation or 4 inches of lean concrete to serve as a working mat.

- The bottom of the excavation resulting from the removal of the existing fill or natural soil should be compacted with a dynamic vibratory compactor imparting a minimum of 40 kips of force to the subgrade.

- The base of the footing excavations in granular soil should be compacted with a dynamic vibratory compactor weighing at least 200 pounds and imparting a minimum of 4 kips of force to the subgrade before placing the required 6 inches of Structural Fill.

- The subgrade of the slabs should be compacted using a vibratory roller compactor imparting a minimum of 10 kips of force to the subgrade before placing Structural Fill.

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- Where soft zones are revealed during the preparation of the subgrade, the soft materials or buried organic soil should be removed and replaced with Structural Fill within the building footprint and with Ordinary Fill beneath the subbase of paved areas.

- To reduce the potential of increasing lateral pressures on the retaining walls, fill placed within 3 feet of the walls, if any, should be compacted using a small plate compactor imparting a maximum dynamic effort of 4 kips. The fill within 3 feet of the walls should be placed in maximum 8-inch loose lifts.

- After the surficial topsoil is entirely removed and after the subsoil, if any, is removed from within the proposed paved areas in accordance with the recommendations in Section 3.1.1, the existing subsoil, if any, deeper than 18 inches beneath the bottom of the proposed pavement and/or the existing fill should be improved by compacting the exposed surface with at least eight (8) passes (4 passes in each direction) of a vibratory roller compactor imparting a dynamic effort of at least 40 kips. Where soft zones of soil are observed, the soft soil should be removed, and the grade should be restored using Ordinary Fill to the bottom of the proposed subbase layer. If pumping of the subsoil deeper than 18 inches beneath the bottom of the proposed grade or of existing fill is observed, the compactor should be switched to static mode and the soft material should be removed and replaced with Ordinary Fill. Where the fill contains or overlies organic soil, the organic soil should be removed at least 18 inches beneath the bottom of the subbase layer. A geotextile fabric may be needed on top of the exposed existing fill if the existing fill contains voids.

- After the topsoil is removed from within the proposed athletic fields, the exposed subsoil, if any, existing fill, or natural soil should be proofrolled with a loaded rubber tire truck or with a large vibratory roller compactor imparting a minimum dynamic effort of 40 kips. Where soft zones are indicated by the proofrolling, the soft zones should be removed and the grades should be restored using Ordinary Fill to the bottom of the base material of the proposed turf designed by the landscape architect or the manufacturer/installer of synthetic turf, if any. The preparation of the subgrade before the placement of the turf subbase should follow the recommendations of the landscape architect.

- Fill placed within the footprint of the proposed building should meet the gradation and compaction requirements of Structural Fill shown in Section 4.3.

- Fill placed under the subbase of paved areas, should meet the gradation and compaction requirements of Ordinary Fill shown in Section 4.3.

- Fill placed in the top 12 inches beneath exterior slabs should consist of Structural Fill with less than 5 percent fines.

- When crushed stone is required in the drawings or it is used for the convenience of the contractor, it should be wrapped in a geotextile fabric for separation. The geotextile fabric

should not be used under retaining walls as it promotes a plane of sliding such as under retaining wall footings.

- An LGCI geotechnical representative should observe the removal of the existing fill and the subgrades of footings and slabs prior to fill and concrete placement to verify that the exposed bearing materials are suitable for the design soil bearing pressure. If soft or loose pockets are encountered in the footing excavations, the soft or loose materials should be removed, and the bottom of the footing should be placed at a lower elevation on firm soil, or the resulting excavation should be backfilled with Structural Fill or crushed stone wrapped in geotextile for separation. The LGCI representative should also observe the improvement of the existing subsoil if any, and/or fill within the proposed paved areas.

4.2 Subgrade Protection

The site soils are frost susceptible. If construction takes place during freezing weather, special measures should be taken to prevent the subgrade from freezing. Such measures should include the use of heat blankets or excavating the final six inches of soil just before pouring concrete. Footings should be backfilled as soon as possible after footing construction. Soil used as backfill should be free of frozen material, as should the ground on which it is placed. Filling operations should be halted during freezing weather.

Materials with high fines contents are typically difficult to handle when wet as they are sensitive to moisture content variations. Subgrade support capacities may deteriorate when such soils become wet and/or disturbed. The contractor should keep exposed subgrades properly drained and free of ponded water. Subgrades should be protected from machine and foot traffic to reduce disturbance.

4.3 Fill Materials

Structural Fill and Ordinary Fill should consist of inert, hard, durable sand and gravel, free from organic matter, clay, surface coatings and deleterious materials, and should conform to the gradation requirements shown below.

4.3.1 Structural Fill

The Structural Fill should have a plasticity index of less than 6 and should meet the gradation requirements shown below. Structural Fill should be compacted in maximum 9-inch loose lifts to at least 95 percent of the Modified Proctor maximum dry density (ASTM D1557), with moisture contents within ±2 percentage points of optimum moisture content.

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Sieve Size Percent	Passing by Weight
3 inches	100
1 ½ inch	80-100
½ inch	50-100
No. 4	30-85
No. 20	15-60
No. 60	5-35
No. 200*	0-10

* 0 – 5 Under sidewalks, unheated slabs, exterior stairs, ramps, and pads, and walkways

4.3.2 Ordinary Fill

Ordinary Fill should have a plasticity index of less than 6 and should meet the gradation requirements shown below. Ordinary Fill should be compacted in maximum 9-inch loose lifts to at least 95 percent of the Modified Proctor maximum dry density (ASTM D1557), with moisture contents within ±2 percentage points of optimum moisture content.

Sieve Size Percent	Passing by Weight
6 inches	100
1 inch	50-100
No. 4	20-100
No. 20	10-70
No. 60	5-45
No. 200	0-20

4.4 Reuse of Onsite Materials

Based on our field observations and the results of the grain-size analyses, we anticipate some of the natural soil and existing fill may be used as Ordinary Fill.

The contractor should avoid mixing the existing soils with suitable imported material. Should reusable materials be encountered during excavation, they should be excavated and stockpiled separately for compliance testing.

Soils with 20 percent or greater fines content are generally very sensitive to moisture content variations and are susceptible to frost. Such soils are very difficult to compact at moisture contents that are much higher or much lower than the optimum moisture content determined from the laboratory compaction test. Therefore, strict moisture control should be implemented during compaction of onsite soils with fines contents of 20 percent or greater. The contractor should be prepared to remove and replace such soils if pumping occurs.



The contractor may consider mobilizing a rock crusher to the site. Boulders in the existing fill can be processed with the existing fill and natural soil and crushed to produce granular fill that is lower in fines if blended with a sufficient proportion of rock. To augment the quantity of rock to process with the existing fill, the contractor may need to import blasted rock to blend it with the existing fill before crushing. Processed material obtained by crushing blasted rock, boulders, and soil should meet the gradation requirements of Ordinary Fill and Structural Fill. Material produced by the crushing operation should be well graded so as to reduce the potential for formation of honeycombs during its placement and compaction. The site contractor should be prepared to produce batches of material processed using different blending ratios at the start of the earthwork operations. LGCI will review the results of grain-size analyses performed on the processed material and provide an opinion about the blending ratio to maintain throughout construction.

All materials to be used as fill, including blended materials, should first be tested for compliance with the applicable gradation specifications.

4.5 Rock Blasting Considerations

Rock was encountered at depths 3.8 and 3.5 feet beneath the ground surface in borings B-5 and B-6, corresponding to elevation of El. 181.2 and 185.5, respectively. It is not known at this time whether these elevations are higher than the proposed FFE which has not been established. LGCI will provide rock blasting recommendation after additional explorations are completed at the site and the proposed building location, layout and FFE have been established.

4.6 Groundwater Control Procedures

Based on the groundwater levels encountered in our explorations, we anticipate that groundwater control procedures will be needed during removal of the existing fill and for footing and utility excavations. We anticipate that filtered sump pumps installed in pits located at least three feet below the bottom of the excavation may be sufficient to handle surface runoff that may enter the excavation. Please note that due to the presence of boulders in the fill, the fill is anticipated to be pervious. Accordingly, the contractor should be prepared to install multiple deep sump pumps to maintain a dry subgrade. Also, where deep trenches are required for utilities, multiple sump pumps would be required to maintain a dry excavation subgrade.

The contractor should be permitted to employ whatever commonly accepted means and practices as necessary to maintain the groundwater level below the bottom of the excavation, and to maintain a dry excavation during wet weather. Groundwater levels should be maintained at a minimum of 1-foot below the bottom of excavations during construction. Placement of reinforcing steel or concrete in standing water should not be permitted.

Proper permits should be obtained from authorities having jurisdiction over the work. At a minimum, the water collected from excavations should be filtered for fines in sedimentation



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basins before being discharged. The sedimentation basins could be constructed of hay bales wrapped in a geotextile fabric.

To reduce the potential for sinkholes developing over sump pump pits after the sump pumps are removed, the crushed stone placed in the sump pump pits should be wrapped in a geotextile for separation. Alternatively, the crushed stone should be entirely removed after the sump pump is no longer in use and the sump pump pit should be restored with suitable backfill.

4.7 Temporary Excavations

All excavations to receive human traffic should be constructed in accordance with the OSHA guidelines.

The site soils should generally be considered Type "C" and should have a maximum allowable slope of 1.5 Horizontal to 1 Vertical (1.5H:1V) for excavations less than 20 feet deep. Deeper excavations, if needed, should have shoring designed by a professional engineer.

The contractor is solely responsible for designing and constructing stable, temporary excavations and should shore, slope, or bench the sides of the excavations as required to maintain stability of the excavation sides and bottom and to protect existing structures.

5. REPORT LIMITATIONS

Our analysis and recommendations are based on project information provided to us at the time of this report. If changes to the type, size, and location of the proposed structures or to the site grading are made, the recommendations contained in this report shall not be considered valid unless the changes are reviewed, and the conclusions and recommendations modified in writing by LGCI. LGCI cannot accept responsibility for designs based on our recommendations unless we are engaged to review the final plans and specifications to determine whether any changes in the project affect the validity of our recommendations and whether our recommendations have been properly implemented in the design.

It is not part of our scope to perform a more detailed site history; therefore, we have not explored for or researched the locations of buried utilities or other structures in the area of the proposed construction. Our scope did not include environmental services or services related to moisture, mold, or other biological contaminants in or around the site.

The recommendations in this report are based in part on the data obtained from the subsurface explorations. The nature and extent of variations between explorations may not become evident until construction. If variations from anticipated conditions are encountered, it may be necessary to revise the recommendations in this report. We cannot accept responsibility for designs based on recommendations in this report unless we are engaged to 1) make site visits during construction to check that the subsurface conditions exposed during construction are in general conformance with our design assumptions and 2) ascertain that, in general, the work is being performed in compliance with the contract documents.

Our report has been prepared in accordance with generally accepted engineering practices and in accordance with the terms and conditions set forth in our agreement. No other warranty, expressed or implied, is made. This report has been prepared for the exclusive use of Perkins & Will Architects, Inc. for the specific application to the proposed Stoneham High School in Stoneham, Massachusetts as conceived at this time.

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Preliminary Geotechnical Report
Proposed Stoneham High School
Stoneham, Massachusetts
LGCI Project No. 2022

6. REFERENCES

In addition to the references included in the text of the report, we used the following references:

The Commonwealth of Massachusetts (2015), "The Massachusetts State Building Code, Ninth Edition," comprised of the International Building Code (IBC-2015) and 780 CMR: Massachusetts Amendments to IBC-2015.

The Department of Labor, Occupational Safety and Health Administration (1989), "Occupational Safety and Health Standards - Excavations; Final Rule," 20 CFR Part 1926, Subpart P.

USGS Stoneham, MA topographic map from http://mapserver.mytopo.com.

Table 1 - Summary of LGCI Borings
Proposed Stoneham High School
Stoneham, Massachusetts
LGCI Project No. 2022

Boring No.	Ground Surface Elevation (ft.)[1]	Groundwater[2] Depth / El. (ft.)	Bottom of Topsoil / Asphalt Depth / El. (ft.)	Bottom of Fill Depth / El. (ft.)	Bottom of Buried Organic Soil / Subsoil Depth / El. (ft.)	Bottom of Sand Depth / El. (ft.)	Top of Bedrock Depth / El. (ft.)	Bottom of Boring Depth / El. (ft.)
B-1	170.0	9.0 / **161.0**	1.0 / **169.0**	12.1 / **157.9**	- / -	20.0 [4]/ **150.0**	- / -	20.0 / **150.0**
B-2	170.0	- / -	1.4 / **168.6**	6.0 [3]/ **164.0**	- / -	- / -	- / -	6.0 / **164.0**
B-3	178.0	- / -	0.3 / **177.8**	12.0 [3]/ **166.0**	- / -	- / -	- / -	12.0 / **166.0**
B-4	169.0	3.5 / **165.5**	1.0 / **168.0**	5.3 [3]/ **163.7**	- / -	- / -	- / -	5.3 / **163.7**
B-5	185.0	8.0 / **177.0**	0.3 / **184.8**	2.0 / **183.0**	3.8 / **181.2**	- / -	3.8 [5]/ **181.2**	10.3 / **174.7**
B-6	189.0	- / -	- / -	3.5 / **185.5**	- / -	- / -	4.5 / **184.5**	4.5 / **184.5**
B-7	191.0	- / -	0.7 / **190.3**	4.0 [3]/ **187.0**	- / -	- / -	- / -	4.0 / **187.0**

1. The ground surface elevation was interpolated to the nearest 1 foot from drawings EX-1 to EX-12 titled: "Topographic Survey, Stoneham High-School, 149 Franklin Street, Stoneham, MA," prepared by Nitsch Engineering, Inc., dated September 10, 2020 and provided to LGCI by Perkins & Will via e-mail on September 14, 2020.
2. Groundwater was measured during drilling or at the end of drilling, or was based on sample moisture, whichever is shallower.
3. Boring terminated in the fill layer.
4. Boring terminated in the sand layer.
5. Rock was cored in the boring.
6. "-" means layer was not encountered.

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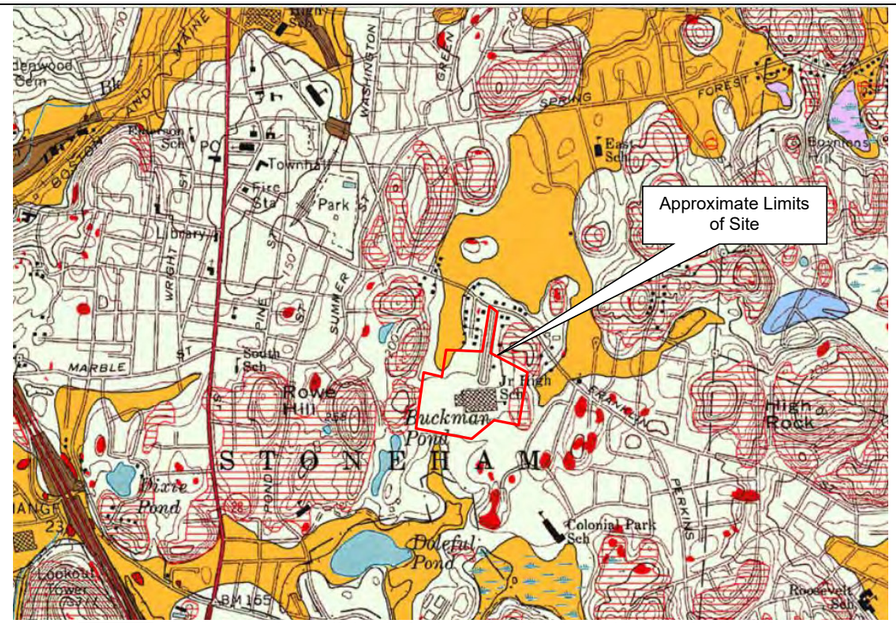
Contour Intervals: 10 feet

Figure based on USGS topographic map of Stoneham, MA obtained from www.mytopo.com

Client:	Project:	Figure 1 – Site Location Map	
Perkins & Will Architects, Inc.	Proposed Stoneham High School		
LGCI Lahlaf Geotechnical Consulting, Inc.	Project Location: Stoneham, MA	LGCI Project No.: 2022	Date: Sept. 2020



Thin till—Nonsorted, nonstratified matrix of sand, some silt, and little clay containing scattered pebble, cobble, and boulder clasts; large surface boulders are common; unit was mapped where till is generally less than 10 to 15 ft thick including areas of shallow bedrock. Predominantly consists of upper till of the last glaciation; loose to moderately compact, generally sandy, commonly stony. Two facies are present in some places: a looser, coarser grained ablation facies, melted out from supraglacial position; and an underlying more compact, finer grained lodgement facies deposited subglacially. In general, both ablation and lodgement facies of upper till derived from fine-grained bedrock are finer grained, more compact, less stony and have fewer surface boulders than upper till derived from coarse-grained crystalline rocks. Across Massachusetts, fine-grained bedrock sources include the red Mesozoic sedimentary rocks of the Connecticut Valley lowland, marble in the western river valleys, and fine-grained schists in upland areas

Coarse deposits consist of *gravel deposits*, *sand and gravel deposits*, and *sand deposits*, not differentiated in this report. *Gravel deposits* are composed of at least 50 percent gravel-size clasts; cobbles and boulders predominate; minor amounts of sand occur within gravel beds, and sand comprises a few separate layers. Gravel layers generally are poorly sorted, and bedding commonly is distorted and faulted due to postdepositional collapse related to melting of ice. *Sand and gravel deposits* occur as mixtures of gravel and sand within individual layers and as layers of sand alternating with layers of gravel. Sand and gravel layers generally range between 25 and 50 percent gravel particles and between 50 and 75 percent sand particles. Layers are well sorted to poorly sorted; bedding may be distorted and faulted due to postdepositional collapse. *Sand deposits* are composed mainly of very coarse to fine sand, commonly in well-sorted layers. Coarser layers may contain up to 25 percent gravel particles, generally granules and pebbles; finer layers may contain some very fine sand, silt, and clay

Bedrock outcrops and areas of abundant outcrop or shallow bedrock—Solid color shows extent of individual bedrock outcrops; horizontal-line pattern indicates areas of shallow bedrock or areas where small outcrops are too numerous to map individually; in areas of shallow bedrock, surficial materials are less than 5 to 10 ft thick. These units were not mapped consistently among all quadrangles; see note at beginning of appendix 1 for information on bedrock outcrop mapping by quadrangle

Figure based on map titled: "Surficial Materials Map of the Boston North, Massachusetts," prepared by Stone, B.D. and DiGiacomo-Cohen, M.L. for U.S. Geological Survey, 2018, Scientific Investigation Map 3402, Quadrangle 125 – Boston North.

Client:	Project:	Figure 2 – Surficial Geologic Map	
Perkins & Will Architects, Inc.	Proposed Stoneham High School		
LGCI Lahlaf Geotechnical Consulting, Inc.	Project Location: Stoneham, MA	LGCI Project No.: 2022	Date: Sept. 2020

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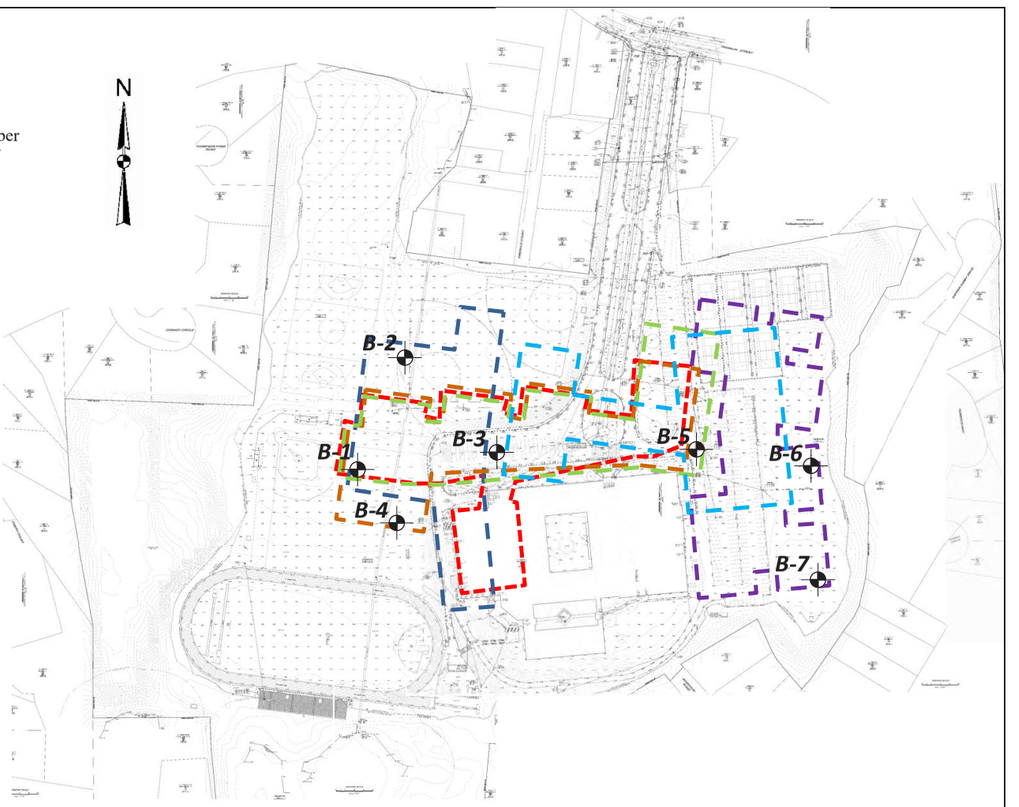
Legend

Approximate location of boring advanced by Northern Drill Service, Inc. (NDS) of Northborough, MA on September 14 and 15, 2020, and observed by Lahlaf Geotechnical Consulting, Inc. (LGCI).

- Renovation Addition 1
- Renovation Addition 2
- New Construction 1
- New Construction 2
- New Construction 3
- New Construction 4

Approximate Scale (ft.)
0 40 80



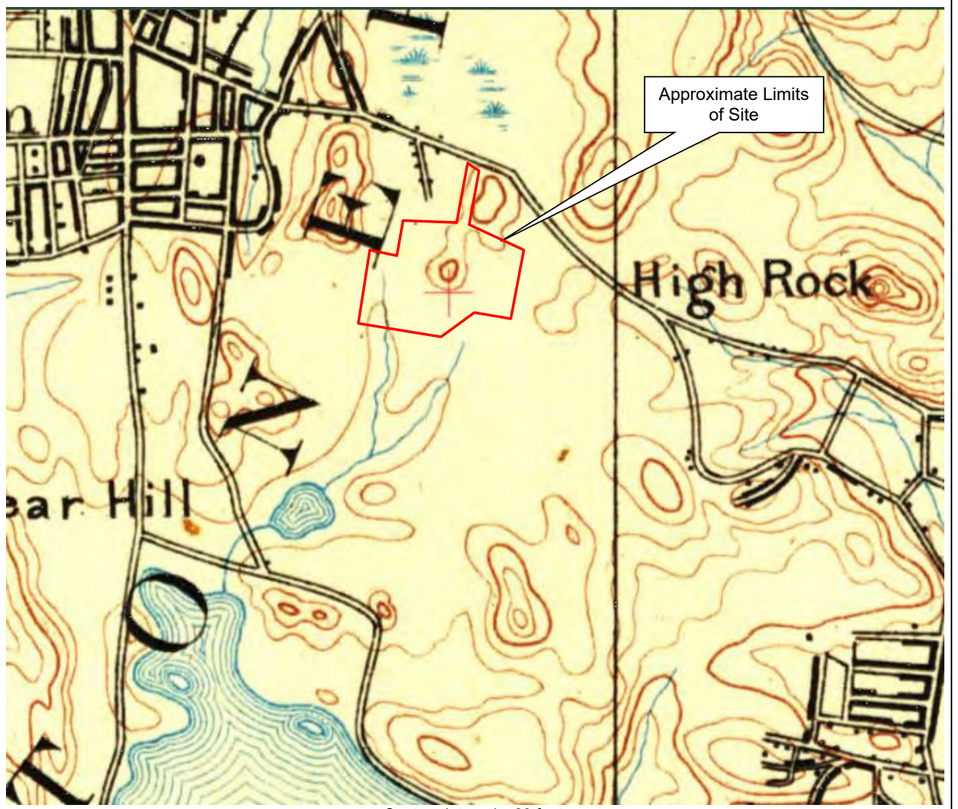
Notes

1. Figure based on drawings EX-1 to EX-12 titled: "Topographic Survey, Stoneham High School, 149 Franklin Street, Stoneham, MA," prepared by Nitsch Engineering, Inc., dated September 10, 2020 and provided to LGCI by Perkins & Will via e-mail on September 14, 2020.

2. Proposed building outlines based on Document titled: "Building Committee Meeting Design Alternatives," (Design Alternatives) prepared by Perkins & Will, dated August 31, 2020, and provided to us by Perkins & Will via e-mail on September 1, 2020.

Client:	Project:	Figure 3 – Boring Location Plan	
Perkins & Will Architects, Inc.	Proposed Stoneham High School		
LGCI Lahlaf Geotechnical Consulting, Inc.	Project Location: Stoneham, MA	LGCI Project No.: 2022	Date: Oct. 2020

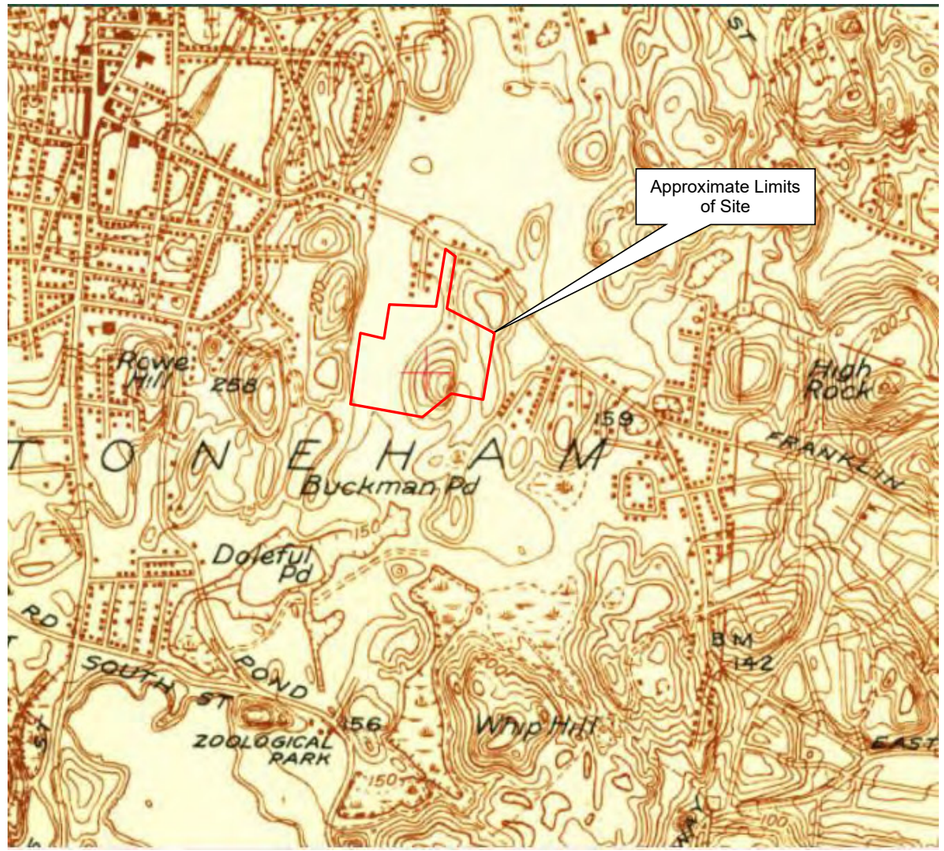
APPENDIX A – Historical Topo Maps



Contour Intervals: 20 feet

Figure based on USGS topographic map of Stoneham, MA obtained from https://livingatlas.arcgis.com/topoexplorer/index.html

Client:	Project:	Figure A1 – 1893 Historical Topo Map	
Perkins & Will Architects, Inc.	Proposed Stoneham High School		
LGCI Lahlaf Geotechnical Consulting, Inc.	Project Location: Stoneham, MA	LGCI Project No.: 2022	Date: August 2020



Contour Intervals: 10 feet

Figure based on USGS topographic map of Stoneham, MA obtained from https://livingatlas.arcgis.com/topoexplorer/index.html

Client:	Project:	Figure A2 – 1943 Historical Topo Map	
Perkins & Will Architects, Inc.	Proposed Stoneham High School		
LGCI Lahlaf Geotechnical Consulting, Inc.	Project Location: Stoneham, MA	LGCI Project No.: 2022	Date: August 2020

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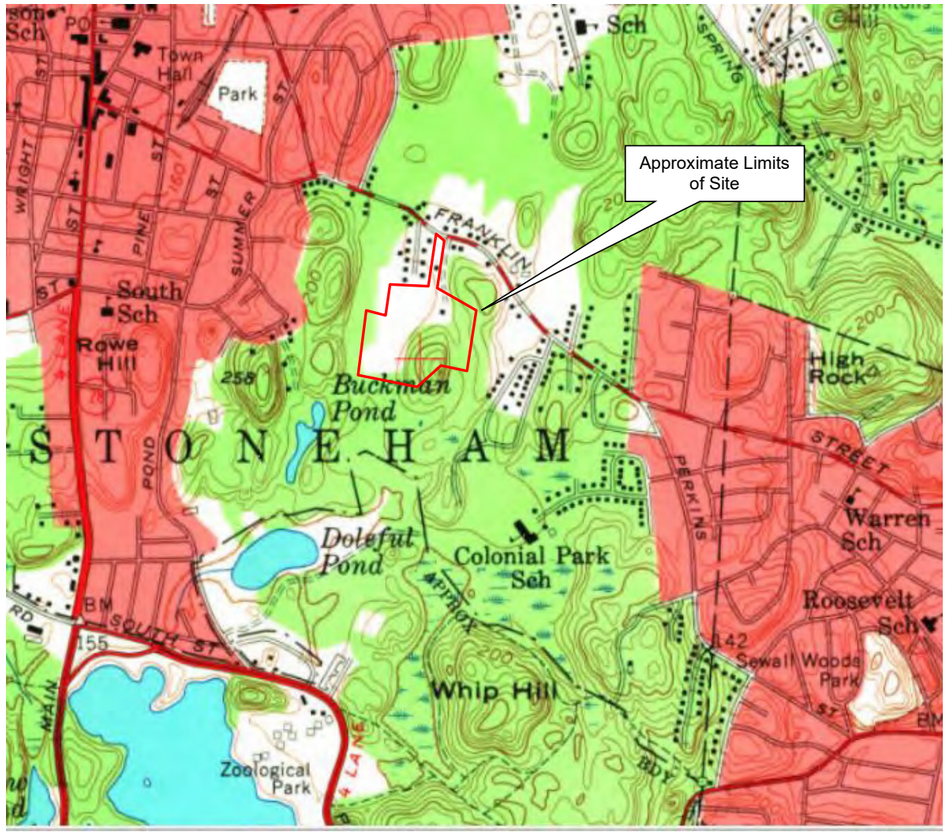
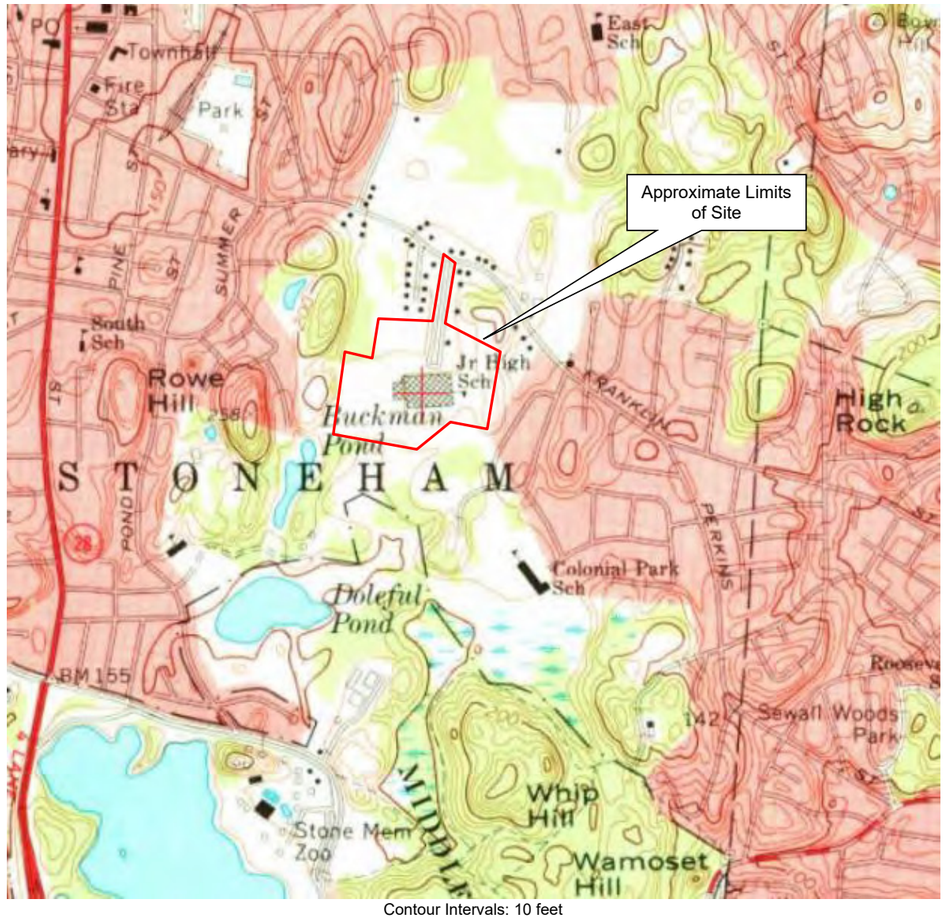


Contour Intervals: 10 feet

Figure based on USGS topographic map of Stoneham, MA obtained from https://livingatlas.arcgis.com/topoexplorer/index.html

Client:	Project:	Figure A3 – 1956 Historical Topo Map	
Perkins & Will Architects, Inc.	Proposed Stoneham High School		
LGCI Lahlaf Geotechnical Consulting, Inc.	Project Location: Stoneham, MA	LGCI Project No.: 2022	Date: August 2020



Contour Intervals: 10 feet

Figure based on USGS topographic map of Stoneham, MA obtained from https://livingatlas.arcgis.com/topoexplorer/index.html

Client:	Project:	Figure A4 – 1971 Historical Topo Map	
Perkins & Will Architects, Inc.	Proposed Stoneham High School		
LGCI Lahlaf Geotechnical Consulting, Inc.	Project Location: Stoneham, MA	LGCI Project No.: 2022	Date: August 2020

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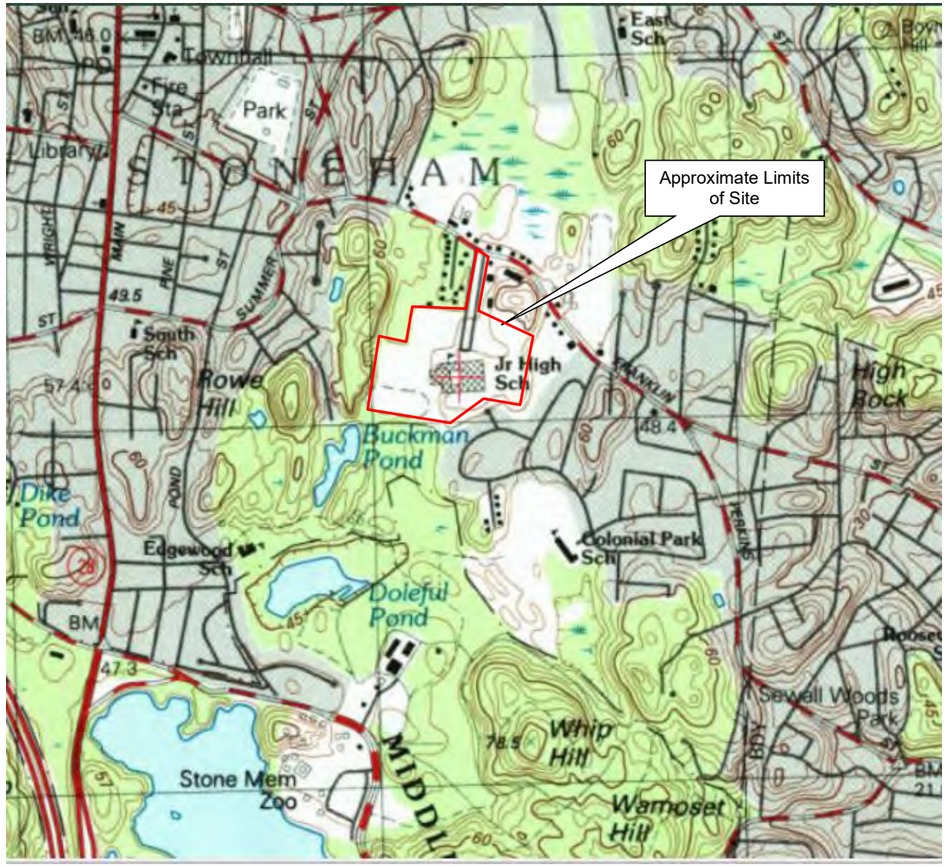

Contour Intervals: 3 meters

Figure based on USGS topographic map of Stoneham, MA obtained from https://livingatlas.arcgis.com/topoexplorer/index.html

Client:	Project:	Figure A5 – 1985 Historical Topo Map	
Perkins & Will Architects, Inc.	Proposed Stoneham High School		
LGCI Lahlaf Geotechnical Consulting, Inc.	Project Location: Stoneham, MA	LGCI Project No.: 2022	Date: August 2020

APPENDIX B – Excerpts of Soil Survey Report

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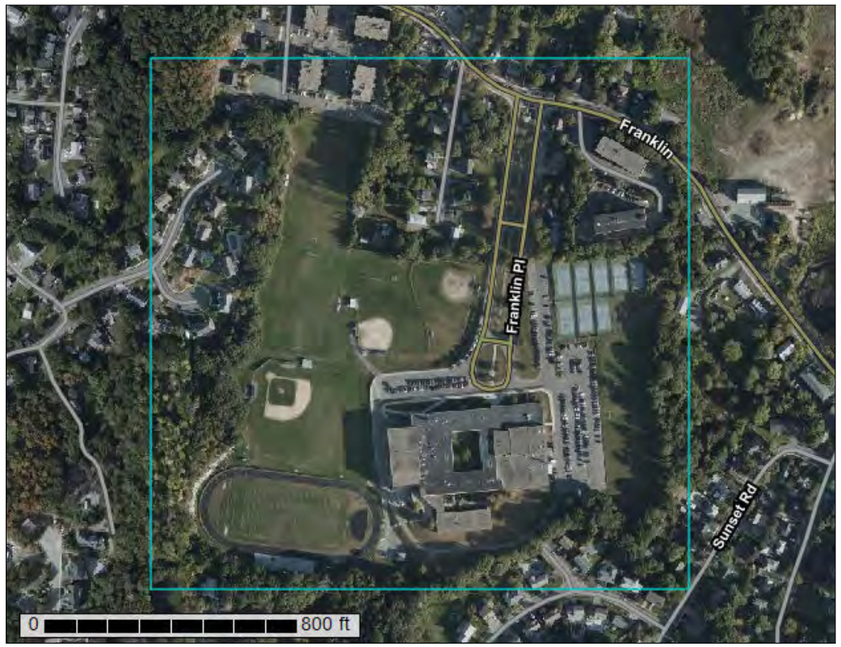
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Middlesex County, Massachusetts



July 29, 2020

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

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identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

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Custom Soil Resource Report
Soil Map



Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:25,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Middlesex County, Massachusetts
Survey Area Data: Version 20, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 13, 2019—Oct 5, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1	Water	0.1	0.2%
51A	Swansea muck, 0 to 1 percent slopes	0.9	1.4%
52A	Freetown muck, 0 to 1 percent slopes	0.3	0.4%
105E	Rock outcrop-Hollis complex, 3 to 35 percent slopes	11.8	17.9%
602	Urban land	13.6	20.6%
603	Urban land, wet substratum	0.9	1.4%
631C	Charlton-Urban land-Hollis complex, 3 to 15 percent slopes, rocky	15.8	23.9%
655	Udorthents, wet substratum	22.7	34.3%
Totals for Area of Interest		**66.1**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor

components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

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Middlesex County, Massachusetts

1—Water

Map Unit Setting
National map unit symbol: 996p
Frost-free period: 110 to 200 days
Farmland classification: Not prime farmland

Map Unit Composition
Water: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Water

Setting
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Dip
Down-slope shape: Linear
Across-slope shape: Linear

51A—Swansea muck, 0 to 1 percent slopes

Map Unit Setting
National map unit symbol: 2trl2
Elevation: 0 to 1,140 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition
Swansea and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Swansea

Setting
Landform: Swamps, bogs
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Highly decomposed organic material over loose sandy and gravelly glaciofluvial deposits

Typical profile
Oa1 - 0 to 24 inches: muck
Oa2 - 24 to 34 inches: muck
Cg - 34 to 79 inches: coarse sand

Properties and qualities
Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Very poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.14 to 14.17 in/hr)
Depth to water table: About 0 to 6 inches
Frequency of flooding: Rare
Frequency of ponding: Frequent
Available water storage in profile: Very high (about 16.5 inches)

Interpretive groups
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8w
Hydrologic Soil Group: B/D
Ecological site: Acidic Organic Wetlands (F144AY043MA)
Hydric soil rating: Yes

Minor Components

Freetown
Percent of map unit: 10 percent
Landform: Bogs, swamps
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Whitman
Percent of map unit: 5 percent
Landform: Depressions, drainageways
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Scarboro
Percent of map unit: 5 percent
Landform: Drainageways, depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope, tread, dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

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52A—Freetown muck, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 2t2q9
Elevation: 0 to 1,110 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Freetown and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Freetown

Setting

Landform: Depressions, depressions, bogs, marshes, kettles, swamps
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread, dip
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Highly decomposed organic material

Typical profile

Oe - 0 to 2 inches: mucky peat
Oa - 2 to 79 inches: muck

Properties and qualities

Slope: 0 to 1 percent
Percent of area covered with surface fragments: 0.0 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Very poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.14 to 14.17 in/hr)
Depth to water table: About 0 to 6 inches
Frequency of flooding: Rare
Frequency of ponding: Frequent
Available water storage in profile: Very high (about 19.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 5w
Hydrologic Soil Group: B/D
Ecological site: Acidic Organic Wetlands (F144AY043MA)
Hydric soil rating: Yes

Minor Components

Swansea

Percent of map unit: 5 percent
Landform: Kettles, depressions, depressions, marshes, swamps, bogs
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread, dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Scarboro

Percent of map unit: 5 percent
Landform: Depressions, drainageways
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope, tread, dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Whitman

Percent of map unit: 5 percent
Landform: Depressions, drainageways
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

105E—Rock outcrop-Hollis complex, 3 to 35 percent slopes

Map Unit Setting

National map unit symbol: 98yj
Elevation: 0 to 2,100 feet
Mean annual precipitation: 32 to 54 inches
Mean annual air temperature: 43 to 54 degrees F
Frost-free period: 110 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Rock outcrop: 50 percent
Hollis and similar soils: 45 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Rock Outcrop

Setting

Landform: Ledges
Landform position (two-dimensional): Summit

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Landform position (three-dimensional): Head slope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Granite and gneiss

Properties and qualities
Slope: 5 to 20 percent
Depth to restrictive feature: 0 inches to lithic bedrock

Interpretive groups
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s

Description of Hollis

Setting
Landform: Ridges, hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Friable, shallow loamy basal till over granite and gneiss

Typical profile
H1 - 0 to 2 inches: fine sandy loam
H2 - 2 to 14 inches: fine sandy loam
H3 - 14 to 18 inches: unweathered bedrock

Properties and qualities
Slope: 3 to 35 percent
Percent of area covered with surface fragments: 9.0 percent
Depth to restrictive feature: 8 to 20 inches to lithic bedrock
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.14 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Very low (about 2.0 inches)

Interpretive groups
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: D
Ecological site: Shallow Dry Till Uplands (F144AY033MA)
Hydric soil rating: No

Minor Components

Whitman
Percent of map unit: 3 percent
Landform: Depressions, drainageways
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Swansea
Percent of map unit: 1 percent
Landform: Bogs, depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Unnamed
Percent of map unit: 1 percent

602—Urban land

Map Unit Setting
National map unit symbol: 9950
Elevation: 0 to 3,000 feet
Mean annual precipitation: 32 to 50 inches
Mean annual air temperature: 45 to 50 degrees F
Frost-free period: 110 to 200 days
Farmland classification: Not prime farmland

Map Unit Composition
Urban land: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Excavated and filled land

Minor Components

Rock outcrop
Percent of map unit: 5 percent
Landform: Ledges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Head slope
Down-slope shape: Concave
Across-slope shape: Concave

Udorthents, wet substratum
Percent of map unit: 5 percent
Hydric soil rating: No

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Udorthents, loamy
Percent of map unit: 5 percent
Hydric soil rating: No

603—Urban land, wet substratum

Map Unit Setting
National map unit symbol: 9951
Mean annual precipitation: 32 to 50 inches
Mean annual air temperature: 45 to 50 degrees F
Frost-free period: 110 to 200 days
Farmland classification: Not prime farmland

Map Unit Composition
Urban land: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Excavated and filled land over alluvium and/or marine deposits

Minor Components

Udorthents, loamy
Percent of map unit: 10 percent
Hydric soil rating: No

Rock outcrop
Percent of map unit: 5 percent
Landform: Ledges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Head slope
Down-slope shape: Concave
Across-slope shape: Concave

631C—Charlton-Urban land-Hollis complex, 3 to 15 percent slopes, rocky

Map Unit Setting
National map unit symbol: vr1g
Elevation: 0 to 1,000 feet
Mean annual precipitation: 32 to 54 inches
Mean annual air temperature: 43 to 54 degrees F
Frost-free period: 110 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition
Charlton and similar soils: 45 percent
Urban land: 35 percent
Hollis and similar soils: 10 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Charlton

Setting
Landform: Drumlins, ground moraines
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Friable loamy eolian deposits over friable loamy basal till derived from granite and gneiss

Typical profile
H1 - 0 to 5 inches: fine sandy loam
H2 - 5 to 22 inches: sandy loam
H3 - 22 to 65 inches: gravelly sandy loam

Properties and qualities
Slope: 3 to 15 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 7.3 inches)

Interpretive groups
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: A
Ecological site: Well Drained Till Uplands (F144AY034CT)

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Hydric soil rating: No

Description of Urban Land

Setting

Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Excavated and filled land

Description of Hollis

Setting

Landform: Ridges, hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Friable, shallow loamy basal till over granite and gneiss

Typical profile

H1 - 0 to 2 inches: fine sandy loam
H2 - 2 to 14 inches: fine sandy loam
H3 - 14 to 18 inches: unweathered bedrock

Properties and qualities

Slope: 3 to 15 percent
Percent of area covered with surface fragments: 9.0 percent
Depth to restrictive feature: 8 to 20 inches to lithic bedrock
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.14 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Very low (about 2.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: D
Ecological site: Shallow Dry Till Uplands (F144AY033MA)
Hydric soil rating: No

Minor Components

Canton

Percent of map unit: 4 percent
Landform: Hills
Landform position (two-dimensional): Backslope, toeslope
Landform position (three-dimensional): Side slope, base slope
Down-slope shape: Linear
Across-slope shape: Convex
Hydric soil rating: No

Udorthents, loamy

Percent of map unit: 2 percent

Hydric soil rating: No

Rock outcrop

Percent of map unit: 2 percent
Landform: Ledges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Head slope
Down-slope shape: Concave
Across-slope shape: Concave

Scituate

Percent of map unit: 1 percent
Landform: Depressions, hillslopes
Landform position (two-dimensional): Toeslope, summit
Landform position (three-dimensional): Base slope, head slope
Down-slope shape: Linear
Across-slope shape: Concave
Hydric soil rating: No

Montauk

Percent of map unit: 1 percent
Landform: Hillslopes
Landform position (two-dimensional): Shoulder, summit
Landform position (three-dimensional): Nose slope, head slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

655—Udorthents, wet substratum

Map Unit Setting

National map unit symbol: vr1n
Elevation: 0 to 3,000 feet
Mean annual precipitation: 32 to 54 inches
Mean annual air temperature: 43 to 54 degrees F
Frost-free period: 110 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Udorthents, wet substratum, and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

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Custom Soil Resource Report

Description of Udorthents, Wet Substratum

Setting

Parent material: Loamy alluvium and/or sandy glaciofluvial deposits and/or loamy glaciolacustrine deposits and/or loamy marine deposits and/or loamy basal till and/or loamy lodgment till

Properties and qualities

Slope: 0 to 8 percent
Depth to restrictive feature: More than 80 inches
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None

Minor Components

Urban land

Percent of map unit: 8 percent
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Linear
Across-slope shape: Linear

Freetown

Percent of map unit: 4 percent
Landform: Depressions, bogs
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Swansea

Percent of map unit: 3 percent
Landform: Bogs, depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

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Custom Soil Resource Report

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Attachment D – Locations and Logs of Previous Borings

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APPENDIX C – Locations and Logs of Previous Borings

Briggs Engineering & Testing
A Division of PK Associates, Inc.

Warner Larson Landcape Architects
c/o Mr. David Warner
130 West Broadway
Boston, MA 02127

September 17, 2014
Briggs Project No. 27856

RE: Proposed Field Turf Investigations and Analyses
High School, 149 Franklin Street, Stoneham, MA

In accordance with your authorization, Briggs Engineering & Testing, *A Division of PK Associates* (Briggs) has completed our sampling and analyses of subsurface conditions at the above referenced fields at Stoneham High School.

***1.0* Project Scope**

The following services were performed by Briggs in accordance with the terms of the proposal for this project.

a. Excavated and sampled surface soils at five locations along the west side of the two northerly soccer fields and three locations along the north side of the football field at the site. These fields are located to the west of the high school main buildings.
b. Monitored advancement of four test borings along the east side of the soccer fields and three along the south side of the football field.
c. Submitted samples of gravelly silty sand fill soils for sieve analyses.
d. Reviewed laboratory reports and prepared this summary report regarding sampling and testing procedures and results and provided soil classifications and exploration logs.

2.0 Site Location and Description

Stoneham High School is located in the east-central part of Stoneham. Franklin Street lies about 1000 feet north of the fields. Buckman Pond is located about 1000 feet southwest of the playing fields. Route 28 (Main Street) is located about 0.8 mile west of the site. The existing soccer fields are located about 1000 feet northwest of the existing high school buildings. The existing football field is located about 500 feet southwest of the high school buildings. These fields are located about 10 feet lower elevation than the high school ground floor grade. Refer to Figure 1 for existing site layout and adjacent streets.

www.briggsengineering.com
Phone (781) 871-6040 Fax (781) 871-7982

100 Weymouth Street – unit B-1, Rockland MA 02370
Offices in Boston and Cumberland RI

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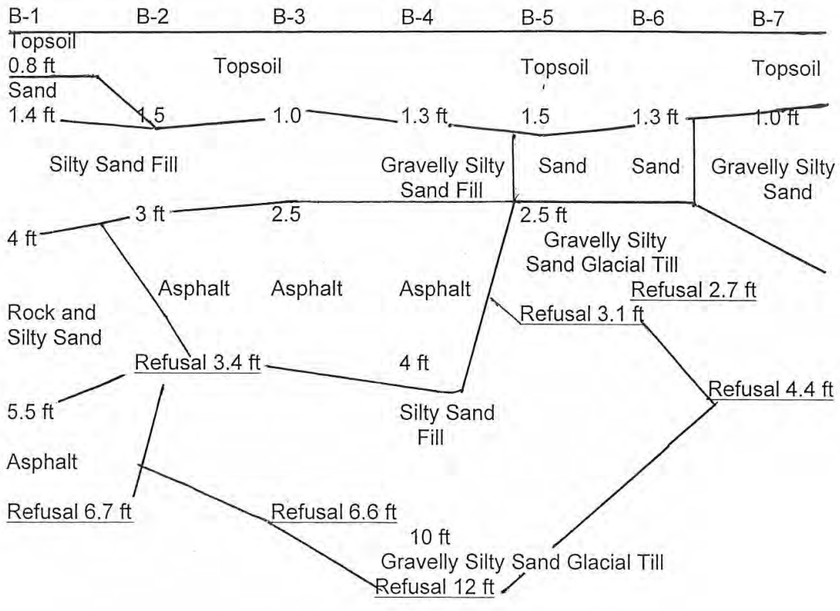
2.0 Subsurface Explorations

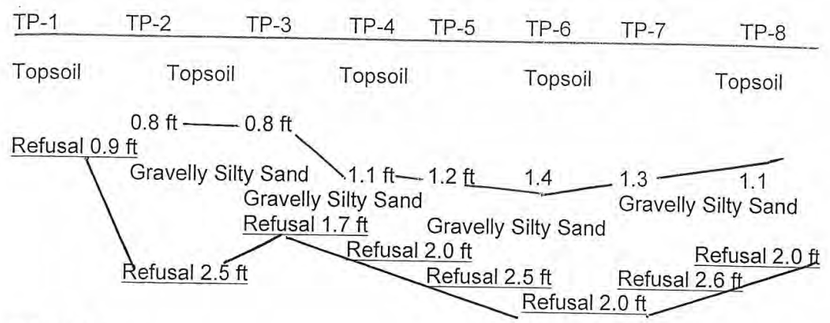
The subsurface conditions at the Site were explored under the supervision of the undersigned Briggs' Geotechnical Engineer. The explorations consisted of advancing seven (7) test borings and eight (8) test pits within the existing soccer fields (2) and football field. Refer to Figure 1 for exploration locations.

The borings were advanced on September 3, 2014 by Able - EarthTech of Burrillville, RI. The borings were drilled by a portable tripod drill rig mounted with continuous split spoon sampling to refusal. Borings were accomplished via ASTM D1586, "Penetration Test and Split Barrel Sampling of Soils". Standard Penetration Tests (SPT) were as noted on the attached test boring logs.

Soil samples were field classified by David Geisser, Geotechnical Engineer using the Bermister Soil Classification System. Soil descriptions by Briggs are presented in the attached test boring logs.

The test pits were hand excavated by Briggs on August 27, September 3 and 7, 2014. Each pit was excavated by post hole digger to refusal on rock. A ½ inch diameter piece of steel rebar was driven at the refusal depth in an attempt to probe around the rock or break through the rock. Soil conditions are as tabulated below:





3.0 Lab Tests

Briggs tested two composited soil samples of similar soils recovered from the test borings. These samples were tested for gradation distribution via ASTM C136 and C117.

Sample S3 from boring B-7 was mixed with sample S-2 from boring B-6. These are gravelly silty sands. The lab report indicates the soil has 43% gravel (material larger than #4 sieve), 14% fines (material passing #200 sieve) and 43% sand (remainder of soil).

Sample S1A from boring B-3 was mixed with sample S-2 from boring B-4. This sample is gravelly silty sands with 24% gravel, 14% fines and 52% sand.

4.0 Conclusions and Recommendations

Soils beneath the proposed sports field reconstructions consist of topsoil over sandy fill in places or gravelly silty sands. Buried asphalt exists under the two northerly soccer fields. Shallow refusals were encountered at 0.9 to 3 feet depth in all test pits. These pits were hand excavated and did not use the 140-pound sample driver used for the test borings. The borings revealed shallow refusals at 2.7 to 3.4 feet in B-2, B-5 and B-6. Test pits should be accomplished to determine if refusals are due to shallow bedrock or large rocks. Shallow refusals could require relocation of under-field drainage pipes or other penetrations such as goal posts.

The surface topsoil and any underlying organic soils or organic materials such as roots should be removed from below proposed synthetic turf areas as typical.

No loose soils were encountered below the surface topsoil within the limits of explorations. Since loose or soft zones might exist between exploration locations, Briggs recommends that all proposed synthetic turf areas be proof rolled using a vibratory roller weighing at least 7 tons making at least 10 passes over each field area. Proof rolling should be witnessed by a Geotechnical Engineer. Soft or weak zones

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should be explored by test pitting. Recommendations for removing or improving these areas would be made on a case-by-case basis.

5.0 Limitations and Exclusions

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by Briggs in this report were collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations, and materials that were observed at the time the field-work was conducted. No inferences regarding other conditions, locations, or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. The use of this report by anyone other than our client or Briggs is strictly prohibited without the express prior written consent of Briggs. Portions of the report may not be used independently of the entire report.

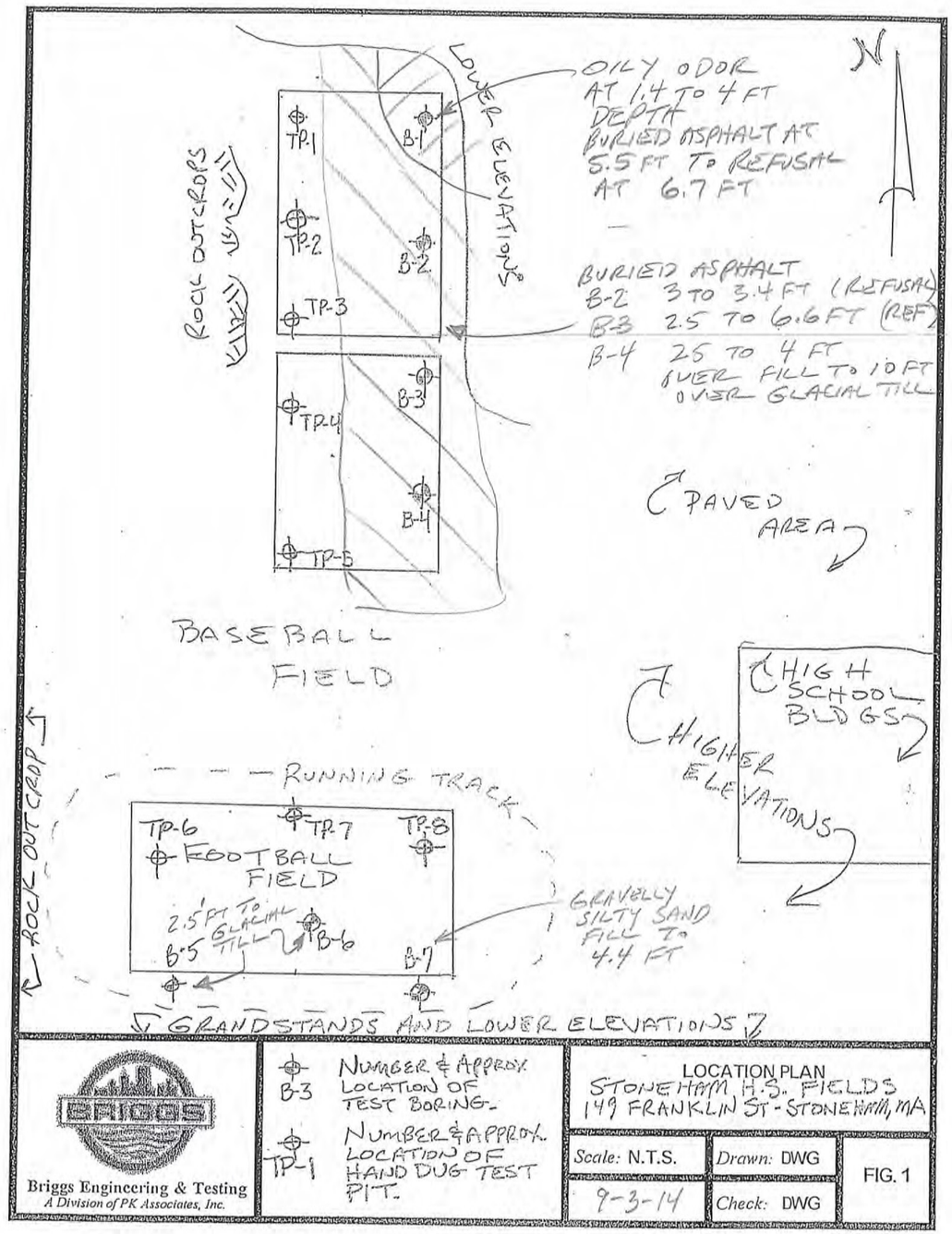
The above recommendations and conclusions are based on our evaluation of the obtained data presented in the text. We would welcome the opportunity to monitor the pertinent phases of proposed repairs or construction; thus, if differences are found between the field conditions described herein and those encountered during construction, we can modify our recommendations in a timely and professional manner.

Thank you for engaging our services to undertake this project. If you have any questions, please do not hesitate to contact us at your convenience.

Very truly yours,
Briggs Engineering & Testing

David W. Geisser
Project Engineer

DWG:dg
Enclosures:
Figure 1 - Location Plan
Test Boring Logs
Laboratory Reports



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S.PERRY DRILL.SERVICE
Geotechnical Services
HARRISVILLE, RI.

BORING / WELL LOG

CLIENT **BRIGGS ENGINEERING & TESTING**
ROCKLAND, MA
PROJECT **STONEHAM HIGH SCHOOL**
STONEHAM, MA.

DRILLER	S. PERRY	BORING NO.	B-1		CASING	SAMPLER	CORE BARREL
INSPECTOR	D. GEISSER	SHEET	1	TYPE	HSA	SS	
LINE & STA	OFFSET	OF	1	SIZE ID	3.25	1.375	
SUR.ELEV.				HAMMER WT.		140 LB.	
START	SEPTEMBER 3,2014			HAMM. FALL		30 IN.	
FINISH	SEPTEMBER 3,2014		14709				

DEPTH	COL. A	NO.	DEPTH RANGE FEET	REC / PEN	BLOWS/6" ON SAMPLER	TYPE	MOISTURE DENSITY OR CONSIST	STRATA CHANGE FEET	SOIL IDENTIFICATION IS FIELD CLASSIFICATION ONLY FOR EXACT GRADATION LABORATORY TESTING IS REQUIRED
									GRASS AND TOPSOIL, F / C SAND,TRACE GRAVEL,LITTLE SILT,
		1	0' – 2.0'	16"/24"	5-11-15-17	SS	DRY	0.8'	TRACE ORGANIC,BLACK
							M. DENSE	1.4'	SAND, F / C, TRACE SILT,BROWN
		2	2.0' – 4.0'	10"/24"	30-25-30-80	SS	DRY		SILTY SAND FILL, F / C, SOME GRAVEL,SOME CLAYEY SILT,
5							V. DENSE	4.0'	TRACE (-) BRICK,COAL,GRAY
		3	4.0' – 6.0'	10"/24"	60-45-42-95	SS	DRY	5.5'	ROCK,SHATTERED,LITTLE SILTY SAND,GRAY TO BLACK
							V. DENSE		ASPHALT AND ROCK,MOSTLY ASPHALT,LITTLE GRAVEL
		4	6.0' – 6.7'	8"/9"	109 – 100 / 3	SS	DRY	6.7'	
							V. DENSE		
10									REFUSAL AT 6.7 FEET
		1	0' – 2.0'	16"/24"	5-11-17-29	SS	DRY		MOVED 3 FEET SOUTH
							M. DENSE		PROBED P – 1
		2	2.0' – 4.0'	14"/24"	15-14-70-20	SS	DRY		
15							V. DENSE		
		3	4.0' – 6.0'	11"/24"	35-25-25-38	SS	DRY		
							V. DENSE		
		4	6.0' – 6.3'	3"/3"	150 / 3	SS	DRY	6.3'	
							V. DENSE		
20									REFUSAL AT 6.3 FEET
25									
30									
35									

SAMPLE IDENTIFICATION
S - SPLIT SPOON
T - THIN WALL TUBE
U - UNDISTURBED PISTON
O - OPEN END ROD
W - WASH SAMPLE
A - AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistency
0-4 Very Loose	0-2 Very Soft
5-9 Loose	3-4 Soft
10-29 Med. Dense	5-8 Med. Stiff
30 - 49 Dense	9-15 Stiff
50+ Very Dense	16-30 Very Stiff
	31+ Hard

COLUMN A
PROPORTIONS USED
trace 0-10%
little 10-20%
some 20-35%
and 35-50%

GROUNDWATER OBSERVATIONS
AT NONE 4 HRS
AT ____ ____ HRS
NOTE: Levels may vary with seasonal fluctuation and the degree of soil saturation when the boring was taken.

S.PERRY DRILL.SERVICE
Geotechnical Services
HARRISVILLE, RI.

BORING / WELL LOG

CLIENT **BRIGGS ENGINEERING & TESTING**
ROCKLAND, MA
PROJECT **STONEHAM HIGH SCHOOL**
STONEHAM, MA.

DRILLER	S. PERRY	BORING NO.	B-2		CASING	SAMPLER	CORE BARREL
INSPECTOR	D. GEISSER	SHEET	1	TYPE	HSA	SS	
LINE & STA	OFFSET	OF	1	SIZE ID	3.25	1.375	
SUR.ELEV.				HAMMER WT.		140 LB.	
START	SEPTEMBER 3,2014			HAMM. FALL		30 IN.	
FINISH	SEPTEMBER 3,2014		14709				

DEPTH	COL. A	NO.	DEPTH RANGE FEET	REC / PEN	BLOWS/6" ON SAMPLER	TYPE	MOISTURE DENSITY OR CONSIST	STRATA CHANGE FEET	SOIL IDENTIFICATION IS FIELD CLASSIFICATION ONLY FOR EXACT GRADATION LABORATORY TESTING IS REQUIRED
		1	0' – 2.0'	16"/24"	5-9-9-13	SS	DRY	1.5'	GRASS AND TOPSOIL, F / M, TRACE GRAVEL,SOME SILT,
							M. DENSE		TRACE ORGANIC,BLACK
		2	2.0' – 3.4'	9"/16"	18-27-150-/-4	SS	DRY	3.0'	SILTY SAND FILL, F / C, TRACE GRAVEL,LITTLE TO SOME SILT
5							V. DENSE	3.4'	AND CLAYEY SILT,TRACE BRICK AND ORGANICS
									ASPHALT FILL
									REFUSAL AT 3.4 FEET
10		1	0' – 2.0'	16"/24"	7-8-9-13	SS	DRY		MOVED 4 FEET NORTH
							M. DENSE		PROBED P – 2
		2	2.0' – 3.0'	12"/24"	18-160	SS	DRY	3.0'	
15							V. DENSE		REFUSAL P - 2 AT 3.0 FEET
20									
25									
30									
35									

SAMPLE IDENTIFICATION
S - SPLIT SPOON
T - THIN WALL TUBE
U - UNDISTURBED PISTON
O - OPEN END ROD
W - WASH SAMPLE
A - AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistency
0-4 Very Loose	0-2 Very Soft
5-9 Loose	3-4 Soft
10-29 Med. Dense	5-8 Med. Stiff
30 - 49 Dense	9-15 Stiff
50+ Very Dense	16-30 Very Stiff
	31+ Hard

COLUMN A
PROPORTIONS USED
trace 0-10%
little 10-20%
some 20-35%
and 35-50%

GROUNDWATER OBSERVATIONS
AT NONE 0.3 HRS
AT ____ ____ HRS
NOTE: Levels may vary with seasonal fluctuation and the degree of soil saturation when the boring was taken.

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S.PERRY DRILL.SERVICE
Geotechnical Services
HARRISVILLE, RI.

BORING / WELL LOG

CLIENT BRIGGS ENGINEERING & TESTING
ROCKLAND, MA
PROJECT STONEHAM HIGH SCHOOL
STONEHAM, MA.

DRILLER S. PERRY
INSPECTOR D. GEISSER
LINE & STA _____ OFFSET _____
SUR.ELEV. _____
START SEPTEMBER 3,2014
FINISH SEPTEMBER 3,2014

BORING NO. B-3
SHEET 1
OF 1
14709

	CASING	SAMPLER	CORE BARREL
TYPE	HSA	SS	
SIZE ID	3.25	1.375	
HAMMER WT.		140 LB.	
HAMM. FALL		30 IN.	

DEPTH	COL. A	NO.	DEPTH RANGE FEET	REC / PEN	BLOWS/6" ON SAMPLER	TYPE	MOISTURE DENSITY OR CONSIST	STRATA CHANGE FEET	SOIL IDENTIFICATION IS FIELD CLASSIFICATION ONLY FOR EXACT GRADATION LABORATORY TESTING IS REQUIRED
									GRASS AND TOPSOIL, F / M, TRACE GRAVEL,SOME SILT,
		1	0' – 2.0'	16"/24"	4-5-15-18	SS	DRY	1.0'	TRACE ORGANIC,BLACK
							M. DENSE		SILTY SAND FILL,SIMILAR TO ABOVE,DARK BROWN
		2	2.0' – 4.0'	16"/24"	17-24-50-40	SS	DRY	2.5'	ASPHALT FILL,TRACE BRICK AND GRAVEL
5							V. DENSE		
		3	4.0' – 6.0'	16"/24"	24-40-70-19	SS	DRY		SIMILAR TO ABOVE
							V. DENSE		
		4	6.0' – 6.6'	4"/6"	18-50 / 1	SS	DRY	6.6'	SIMILAR TO ABOVE
							V. DENSE		
10									REFUSAL AT 6.6 FEET
15									
20									
25									
30									
35									

SAMPLE IDENTIFICATION
S - SPLIT SPOON
T - THIN WALL TUBE
U - UNDISTURBED PISTON
O - OPEN END ROD
W - WASH SAMPLE
A - AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Stiff
30 - 49	Dense	9-15	Stiff
50+	Very Dense	16-30	Very Stiff
		31+	Hard

COLUMN A
PROPORTIONS USED
trace 0-10%
little 10-20%
some 20-35%
and 35-50%

GROUNDWATER OBSERVATIONS
AT NONE HRS
AT _____ HRS
NOTE: Levels may vary with seasonal fluctuation and the degree of soil saturation when the boring was taken.

S.PERRY DRILL.SERVICE
Geotechnical Services
HARRISVILLE, RI.

BORING / WELL LOG

CLIENT BRIGGS ENGINEERING & TESTING
ROCKLAND, MA
PROJECT STONEHAM HIGH SCHOOL
STONEHAM, MA.

DRILLER S. PERRY
INSPECTOR D. GEISSER
LINE & STA _____ OFFSET _____
SUR.ELEV. _____
START SEPTEMBER 3,2014
FINISH SEPTEMBER 3,2014

BORING NO. B-4
SHEET 1
OF 1
14709

	CASING	SAMPLER	CORE BARREL
TYPE	HSA	SS	
SIZE ID	3.25	1.375	
HAMMER WT.		140 LB.	
HAMM. FALL		30 IN.	

DEPTH	COL. A	NO.	DEPTH RANGE FEET	REC / PEN	BLOWS/6" ON SAMPLER	TYPE	MOISTURE DENSITY OR CONSIST	STRATA CHANGE FEET	SOIL IDENTIFICATION IS FIELD CLASSIFICATION ONLY FOR EXACT GRADATION LABORATORY TESTING IS REQUIRED
									GRASS AND TOPSOIL,SAND,TRACE GRAVEL,SILT,
		1	0' – 2.0'	16"/24"	5-12-20-88	SS	DRY	1.2'	ORGANIC,BLACK
							M. DENSE		GRAVELLY SILTY SAND FILL, F / C, LITTLE GRAVEL,LITTLE SILT,
		2	2.0' – 4.0'	14"/24"	45-35-33-65	SS	DRY	2.5'	TRACE ORGANIC,DARK BROWN / BLACK
5							V. DENSE		ASPHALT FILL,TRACE BRICK,SOME SILTY SAND,DARK BROWN
		3	4.0' – 5.8'	10"/24"	42-35-	SS	DRY	4.0'	
					100-100 / 3		V. DENSE		SILTY SAND FILL,TRACE GRAVEL,SOME CLAYEY SILT,BRICK,
		4	6.0' – 8.0'	12"/24"	120-31-31-17	SS	DRY		ORGANIC,GRAY BROWN
							V. DENSE		
10		5	8.0' – 10.0'	10"/24"	18-7-12-12	SS	DRY	10.0'	SIMILAR TO ABOVE,LITTLE GRAVEL
							M. DENSE		POSSIBLE VIRGIN SILTY SAND,LITTLE GRAVEL,SOME SILT,
		6	10.0' – 12.0'	10"/24"	12-30-39-160	SS	DRY	12.0'	OLIVE GRAY
							V. DENSE		
15									REFUSAL AT 12.0 FEET
20									
25									
30									
35									

SAMPLE IDENTIFICATION
S - SPLIT SPOON
T - THIN WALL TUBE
U - UNDISTURBED PISTON
O - OPEN END ROD
W - WASH SAMPLE
A - AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Stiff
30 - 49	Dense	9-15	Stiff
50+	Very Dense	16-30	Very Stiff
		31+	Hard

COLUMN A
PROPORTIONS USED
trace 0-10%
little 10-20%
some 20-35%
and 35-50%

GROUNDWATER OBSERVATIONS
AT NONE HRS
AT 4 HRS
NOTE: Levels may vary with seasonal fluctuation and the degree of soil saturation when the boring was taken.

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S.PERRY DRILL.SERVICE
Geotechnical Services
HARRISVILLE, RI.

BORING / WELL LOG

CLIENT BRIGGS ENGINEERING & TESTING
ROCKLAND, MA
PROJECT STONEHAM HIGH SCHOOL
STONEHAM, MA.

DRILLER S. PERRY
INSPECTOR D. GEISSER
LINE & STA _____ OFFSET _____
SUR.ELEV. _____
START SEPTEMBER 3,2014
FINISH SEPTEMBER 3,2014

BORING NO. B-5
SHEET 1
OF 1
14709

	CASING	SAMPLER	CORE BARREL
TYPE	HSA	SS	
SIZE ID	3.25	1.375	
HAMMER WT.		140 LB.	
HAMM. FALL		30 IN.	

DEPTH	COL. A	NO.	DEPTH RANGE FEET	REC / PEN	BLOWS/6" ON SAMPLER	TYPE	MOISTURE DENSITY OR CONSIST	STRATA CHANGE FEET	SOIL IDENTIFICATION IS FIELD CLASSIFICATION ONLY FOR EXACT GRADATION LABORATORY TESTING IS REQUIRED
		1	0' – 2.0'	18"/24"	3-3-3-9	SS	DRY	1.5'	GRASS AND TOPSOIL, F / M SAND,TRACE GRAVEL,
							LOOSE	2.5'	LITTLE TO SOME SILT,DARK BROWN
		2	2.0' – 3.1'	4"/13"	30-102-75 / 1	SS	DRY		SAND, F / C, TRACE GRAVEL,TRACE SAND,BROWN
5							V. DENSE	3.1'	GRAVELLY SILTY SAND,APPARENTLY GLACIAL TILL,
									SOME SILT,OLIVE GRAY
									REFUSAL AT 3.1 FEET
10									
15									
20									
25									
30									
35									

SAMPLE IDENTIFICATION
S - SPLIT SPOON
T - THIN WALL TUBE
U - UNDISTURBED PISTON
O - OPEN END ROD
W - WASH SAMPLE
A - AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistency
0-4 Very Loose	0-2 Very Soft
5-9 Loose	3-4 Soft
10-29 Med. Dense	5-8 Med. Stiff
30 - 49 Dense	9-15 Stiff
50+ Very Dense	16-30 Very Stiff
	31+ Hard

COLUMN A
PROPORTIONS USED
trace 0-10%
little 10-20%
some 20-35%
and 35-50%

GROUNDWATER OBSERVATIONS
AT NONE _____ HRS
AT _____ _____ HRS
NOTE: Levels may vary with seasonal fluctuation and the degree of soil saturation when the boring was taken.

S.PERRY DRILL.SERVICE
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HARRISVILLE, RI.

BORING / WELL LOG

CLIENT BRIGGS ENGINEERING & TESTING
ROCKLAND, MA
PROJECT STONEHAM HIGH SCHOOL
STONEHAM, MA.

DRILLER S. PERRY
INSPECTOR D. GEISSER
LINE & STA _____ OFFSET _____
SUR.ELEV. _____
START SEPTEMBER 3,2014
FINISH SEPTEMBER 3,2014

BORING NO. B-6
SHEET 1
OF 1
14709

	CASING	SAMPLER	CORE BARREL
TYPE	HSA	SS	
SIZE ID	3.25	1.375	
HAMMER WT.		140 LB.	
HAMM. FALL		30 IN.	

DEPTH	COL. A	NO.	DEPTH RANGE FEET	REC / PEN	BLOWS/6" ON SAMPLER	TYPE	MOISTURE DENSITY OR CONSIST	STRATA CHANGE FEET	SOIL IDENTIFICATION IS FIELD CLASSIFICATION ONLY FOR EXACT GRADATION LABORATORY TESTING IS REQUIRED
		1	0' – 2.0'	14"/24"	3-5-4-6	SS	DRY	1.3'	GRASS AND TOPSOIL, F / M SAND,TRACE GRAVEL,
							LOOSE	2.5'	LITTLE TO SOME SILT,DARK BROWN
		2	2.0' – 2.7'	4"/7"	18-160-/-1	SS	DRY		SAND, F / C, TRACE GRAVEL,TRACE SAND,BROWN
5							V. DENSE	2.7'	GRAVELLY SILTY SAND,APPARENTLY GLACIAL TILL,
									SOME SILT,OLIVE GRAY
									REFUSAL AT 2.7 FEET
10									
15									
20									
25									
30									
35									

SAMPLE IDENTIFICATION
S - SPLIT SPOON
T - THIN WALL TUBE
U - UNDISTURBED PISTON
O - OPEN END ROD
W - WASH SAMPLE
A - AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistency
0-4 Very Loose	0-2 Very Soft
5-9 Loose	3-4 Soft
10-29 Med. Dense	5-8 Med. Stiff
30 - 49 Dense	9-15 Stiff
50+ Very Dense	16-30 Very Stiff
	31+ Hard

COLUMN A
PROPORTIONS USED
trace 0-10%
little 10-20%
some 20-35%
and 35-50%

GROUNDWATER OBSERVATIONS
AT NONE _____ HRS
AT _____ _____ HRS
NOTE: Levels may vary with seasonal fluctuation and the degree of soil saturation when the boring was taken.

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BORING / WELL LOG

CLIENT **BRIGGS ENGINEERING & TESTING**
ROCKLAND, MA
PROJECT **STONEHAM HIGH SCHOOL**
STONEHAM, MA.

DRILLER	S. PERRY	BORING NO.	B-7		CASING	SAMPLER	CORE BARREL
INSPECTOR	D. GEISSER	SHEET	1	TYPE	HSA	SS	
LINE & STA	OFFSET	OF	1	SIZE ID	3.25	1.375	
SUR.ELEV.				HAMMER WT.		140 LB.	
START	SEPTEMBER 3,2014			HAMM. FALL		30 IN.	
FINISH	SEPTEMBER 3,2014		14709				

DEPTH	COL. A	NO.	DEPTH RANGE FEET	REC / PEN	BLOWS/6" ON SAMPLER	TYPE	MOISTURE DENSITY OR CONSIST	STRATA CHANGE FEET	SOIL IDENTIFICATION IS FIELD CLASSIFICATION ONLY FOR EXACT GRADATION LABORATORY TESTING IS REQUIRED
									GRASS AND TOPSOIL, F / M SAND,LITTLE SILT,TRACE ORGANIC,
		1	0' – 1.5'	16"/24"	03/07/60	SS	DRY	1.0'	BLACK
							LOOSE	1.5'	GRAVELLY SAND, F / C, SOME GRAVEL,LITTLE SILT,BROWN
5									REFUSAL AT 1.5 FEET
									MOVED 8 FEET NORTH TO B-7 A
		1	0' – 2.0'	16"/24"	7-5-8-35	SS	DRY	1.0'	TOPSOIL, SAME AS ABOVE
10							M. DENSE		
		2	2.0' – 2.4'	2"/4"	160 / 4	SS	DRY	2.4'	GRAVELLY SAND, SAME AS ABOVE
							V. DENSE		
									REFUSAL AT 2.4 FEET
15									MOVED 5 FEET EAST TO B-7 B
		1	0' – 2.0'	16"/24"	3-3-6-28	SS	DRY	1.0'	TOPSOIL
							M. DENSE		
		2	2.0' – 4.0'	12"/24"	35-54-8-8	SS	WET		GRAVELLY SAND, WET AT 2.5 FT.
20							V. DENSE		
		3	4.0' – 4.4'	0"/4"	110 / 4	SS	WET	4.4'	PUSHED ROCK, NO SAMPLE RECOVERED
							V. DENSE		
									REFUSAL AT 4.4 FEET
25									
30									
35									

SAMPLE IDENTIFICATION
S - SPLIT SPOON
T - THIN WALL TUBE
U - UNDISTURBED PISTON
O - OPEN END ROD
W - WASH SAMPLE
A - AUGER SAMPLE

PENETRATION RESISTANCE
140 lb. Wt. falling 30" on 2" O.D. Sampler

Cohesionless Density	Cohesive Consistency
0-4 Very Loose	0-2 Very Soft
5-9 Loose	3-4 Soft
10-29 Med. Dense	5-8 Med. Stiff
30 - 49 Dense	9-15 Stiff
50+ Very Dense	16-30 Very Stiff
	31+ Hard

COLUMN A
PROPORTIONS USED
trace 0-10%
little 10-20%
some 20-35%
and 35-50%

GROUNDWATER OBSERVATIONS
AT NONE HRS 0.2
AT HRS
NOTE: Levels may vary with seasonal fluctuation and the degree of soil saturation when the boring was taken.

Briggs Engineering & Testing
A Division of PK Associates, Inc.

Warner Larson Landscape Architects
130 West Broadway
Boston, MA 02127
Attn: David Warner

Report Date: 9/16/14

Project: **Stoneham H.S.**
Briggs #:

Tested: 9/15/14
Received: 9/4/14

1. Sample No.	Description	Source of Material
M-24781	Boring Sample Composite	B3 S1A + B4S2

2. Sieve Analysis {ASTM C 136, and ASTM C 117}

Sieve Size		Results	Specifications
Standard	Alternate	{% Passing by Wt.}	
100 mm	4"	100	
90 mm	3-1/2"	100	
75 mm	3"	100	
63 mm	2-1/2"	100	
50 mm	2"	100	
37.5 mm	1-1/2"	100	
25 mm	1"	100	
19 mm	3/4"	100	
12.5 mm	1/2"	93	
9.5 mm	3/8"	87	
4.75 mm	#4	76	
2.00 mm	#10	64	
0.850 mm	#20	52	
0.425 mm	#40	40	
0.180 mm	#80	25	
0.150 mm	#100	22	
0.075 mm	#200	13.9	

BRIGGS ENGINEERING & TESTING
A Division of PK Associates, Inc.

Sean Skorohod
Director of Testing Services
Construction Technology Division

www briggsengineering com

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Boston, MA 02129
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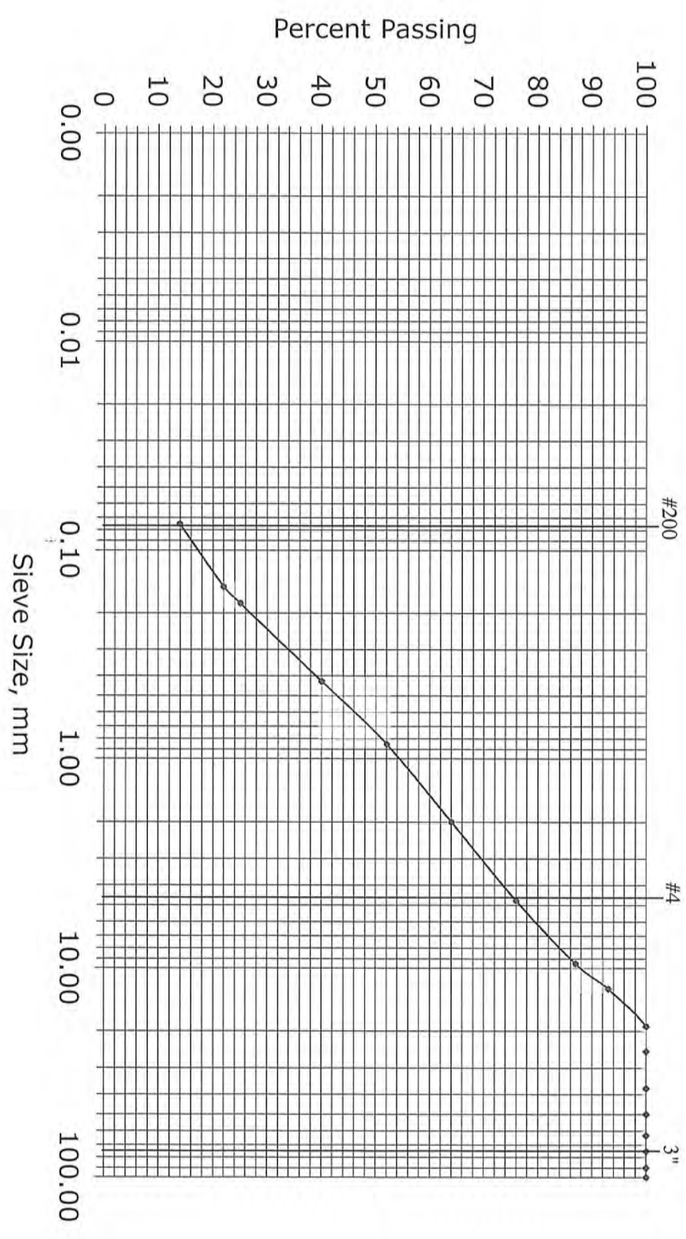

Briggs Engineering & Testing
A Division of PK Associates, Inc.

Sieve Analysis

Project:	Stoneham H.S.
Date Tested:	9/15/14
Lab Ref. No.:	M-24781

Briggs Engineering & Testing
A Division of PK Associates, Inc.

Warner Larson Landscape Architects
130 West Broadway
Boston, MA 02127
Attn: David Warner

Report Date: 9/16/14

Project: **Stoneham H.S.**
Briggs #:

Tested: 9/15/14
Received: 9/4/14

1. Sample No.	Description	Source of Material
M-24782	Boring Sample Composite	B7 BS3 + B6-S2

2. Sieve Analysis {ASTM C 136, and ASTM C 117}

Sieve Size		Results	Specifications
Standard	Alternate	{% Passing by Wt.}	
100 mm	4"	100	
90 mm	3-1/2"	100	
75 mm	3"	100	
63 mm	2-1/2"	100	
50 mm	2"	100	
37.5 mm	1-1/2"	100	
25 mm	1"	100	
19 mm	3/4"	89	
12.5 mm	1/2"	75	
9.5 mm	3/8"	69	
4.75 mm	#4	57	
2.00 mm	#10	46	
0.850 mm	#20	37	
0.425 mm	#40	31	
0.180 mm	#80	23	
0.150 mm	#100	21	
0.075 mm	#200	14.3	

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Sean Skorohod
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LGCI Lahlaf Geotechnical Consulting, Inc.
100 Chelmsford Road, Suite 2
Billerica, MA 01862
Telephone: 9783305912

BORING LOG

B-1
PAGE 1 OF 1

CLIENT: Perkins & Will Architects, Inc.
PROJECT NAME: Proposed Stoneham High School
LGCI PROJECT NUMBER: 2022
PROJECT LOCATION: Stoneham, MA

DATE STARTED: 9/14/20 **DATE COMPLETED:** 9/14/20
BORING LOCATION: Baseball field west of existing building
COORDINATES: NA
SURFACE El.: 170 ft. (see note 1) **TOTAL DEPTH:** 20 ft.
WEATHER: 70's / Sunny
GROUNDWATER LEVELS:
DURING DRILLING: 9.0 ft. / El. 161.0 ft. Based on sample moisture.
AT END OF DRILLING: 9.5 ft. / El. 160.5 ft.
OTHER: -

DRILLING SUBCONTRACTOR: Northern Drill Service, Inc.
DRILLING FOREMAN: Justin Stevens
DRILLING METHOD: Drive and wash with 4-inch casing
DRILL RIG TYPE/MODEL: Diedrich D-25
HAMMER TYPE: Automatic
HAMMER WEIGHT: 140 lb. **HAMMER DROP:** 30 in.
SPLIT SPOON DIA.: 1.375 in. I.D., 2 in. O.D.
CORE BARREL SIZE: NA
LOGGED BY: TG **CHECKED BY:** NP

Depth (ft.)	El. (ft.)	Sample Interval (ft.)	Sample Number	Blow Counts (N Value)	Pen./Rec. (in.)	Remark	Strata	Depth El.(ft.)	Material Description
		1					Topsoil	1.0 / 169.0	
		3	S1	11-26-12-6 (38)	24/7				S1 - Silty GRAVEL (GM), fine to coarse, subangular to angular, ~25% fines, 10-15% fine sand, trace of organic soil, brown, moist
		5	S2	13-11-19-16 (30)	24/9				S2 - Similar to S1
5	165.0	5	S3	4-4-1-1 (5)	24/4	1	Fill		S3 - Poorly Graded GRAVEL (GP), fine to coarse, subangular to angular, 0-5% fines, 0-5% fine to coarse sand, gray to brown, moist REMARK 1: Casing refusal encountered at 5'. Driller removed drill bit and casing from within borehole. Driller resumed drilling within the same borehole and continued sampling at a depth of 4'.
		6	S4	5-5-3-3 (8)	24/4				S4 - Similar to S3
		8							
		9	S5	5-6-7-9 (13)	24/5				S5 - Silty SAND with Gravel (SM), medium to coarse, ~25% fines, 20-25% fine to coarse subrounded to subangular gravel, brown, wet
10	160.0	11	S6	5-4-7-9 (11)	24/16				S6 - Top 13": Silty SAND (SM), medium to coarse, ~25% fines, 5-10% fine subrounded gravel, brown, wet
		13						12.1 / 157.9	Bot. 3 ": SILT (ML), slightly plastic, 5-10% fine sand, gray, wet
		14	S7	10-32-11-10 (43)	24/3		Sand		S7 - Silty GRAVEL with Sand (GM), fine to coarse, subangular, 15-20% fines, 20-25% fine sand, gray, wet
15	155.0	16	S8	11-12-14-12 (26)	24/13				S8 - Poorly Graded SAND with Silt (SP-SM), fine to medium, 10-15% fines, 5-10% fine to coarse subrounded gravel, gray, wet
		18	S9	21-11-12-13 (23)	24/5				S9 - Similar to S8
20	150.0	20						20.0	Bottom of borehole at 20.0 feet. Borehole backfilled with drill cuttings and 2.5 bags of gravel.
25	145.0								

GENERAL NOTES:
The ground surface elevation was interpolated to the nearest foot from drawings EX-1 to EX-12 titled: "Topographic Survey, Stoneham High School, 149 Franklin Street, Stoneham, MA," prepared by Nitsch Engineering, Inc., dated September 10, 2020 and provided to LGCI by Perkins & Will via e-mail on September 14, 2020.

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BORING LOG

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CLIENT: Perkins & Will Architects, Inc.
PROJECT NAME: Proposed Stoneham High School
LGCI PROJECT NUMBER: 2022
PROJECT LOCATION: Stoneham, MA

DATE STARTED: 9/15/20 **DATE COMPLETED:** 9/15/20
BORING LOCATION: Baseball field north of existing building
COORDINATES: NA
SURFACE El.: 170 ft. (see note 1) **TOTAL DEPTH:** 6 ft.
WEATHER: 60's / Sunny
GROUNDWATER LEVELS:
DURING DRILLING: -
AT END OF DRILLING: Not encountered
OTHER: -

DRILLING SUBCONTRACTOR: Northern Drill Service, Inc.
DRILLING FOREMAN: Justin Stevens
DRILLING METHOD: Drive and wash with 4-inch casing
DRILL RIG TYPE/MODEL: Diedrich D-25
HAMMER TYPE: Automatic
HAMMER WEIGHT: 140 lb. **HAMMER DROP:** 30 in.
SPLIT SPOON DIA.: 1.375 in. I.D., 2 in. O.D.
CORE BARREL SIZE: NA
LOGGED BY: TG **CHECKED BY:** NP

Depth (ft.)	El. (ft.)	Sample Interval (ft.)	Sample Number	Blow Counts (N Value)	Pen./Rec. (in.)	Remark	Strata	Depth El.(ft.)	Material Description
		0					Topsoil	1.4 / 168.6	S1 - Silty SAND with Gravel (SM), fine to medium, trace coarse, 25-30% fines, 25-30% fine to coarse subrounded gravel, trace of organic soil, trace of roots, light brown, moist
		2	S1	14-20-16-10 (36)	24/15				
		4	S2	12-4-11-11 (15)	24/7		Fill		S2 - Top 5": Similar to S1, ~15% fine to coarse subrounded gravel Bot. 2": Poorly Graded SAND with Silt (SP-SM), fine, trace medium, 5-10% fines, light brown, moist
5	165.0	5	S3	19-37-9-78 (46)	24/0	1			S3 - No recovery
		6						6.0	REMARK 1: Split spoon sampler broke at a depth of 6'. Boring terminated. Bottom of borehole at 6.0 feet. Borehole backfilled with drill cuttings and 6 bags of gravel.
10	160.0								
15	155.0								
20	150.0								
25	145.0								

GENERAL NOTES:
The ground surface elevation was interpolated to the nearest foot from drawings EX-1 to EX-12 titled: "Topographic Survey, Stoneham High School, 149 Franklin Street, Stoneham, MA," prepared by Nitsch Engineering, Inc., dated September 10, 2020 and provided to LGCI by Perkins & Will via e-mail on September 14, 2020.

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CLIENT: Perkins & Will Architects, Inc.
PROJECT NAME: Proposed Stoneham High School
LGCI PROJECT NUMBER: 2022
PROJECT LOCATION: Stoneham, MA

DATE STARTED: 9/14/20 **DATE COMPLETED:** 9/15/20
BORING LOCATION: Near northern side of existing building
COORDINATES: NA
SURFACE El.: 178 ft. (see note 1) **TOTAL DEPTH:** 12 ft.
WEATHER: 70's / Sunny
GROUNDWATER LEVELS:
▽ **DURING DRILLING:** -
▼ **AT END OF DRILLING:** Not encountered
▼ **OTHER:** -

DRILLING SUBCONTRACTOR: Northern Drill Service, Inc.
DRILLING FOREMAN: Justin Stevens
DRILLING METHOD: Drive and wash with 4-inch casing
DRILL RIG TYPE/MODEL: Diedrich D-25
HAMMER TYPE: Automatic
HAMMER WEIGHT: 140 lb. **HAMMER DROP:** 30 in.
SPLIT SPOON DIA.: 1.375 in. I.D., 2 in. O.D.
CORE BARREL SIZE: NA
LOGGED BY: TG **CHECKED BY:** NP

Depth (ft.)	El. (ft.)	Sample Interval (ft.)	Sample Number	Blow Counts (N Value)	Pen./Rec. (in.)	Remark	Strata	Depth El.(ft.)	Material Description
							Asphalt	0.3 / 177.7	S1 - Top 3": Asphalt
		0	S1	9-17-21-26 (38)	24/12				Bot. 9": Poorly Graded SAND with Silt (SP-SM), fine to medium, trace coarse, 10-15% fines, 5-10% fine subrounded gravel, brown, moist
	175.0	2	S2	24-40-23-23 (63)	24/6	1			S2 - Poorly Graded SAND with Silt (SP-SM), medium to coarse, trace fine, 5-10% fines, 5-10% fine subrounded gravel, brown, moist REMARK 1: Advanced button bit through 10" boulder.
5		4	S3	7-5-10-12 (15)	24/3	2			REMARK 2: Drove 3" split spoon sampler from 4' to 8' and recovered sample, similar to S3. S3 - Poorly Graded GRAVEL (GP), fine to coarse, angular, 0-5% fines, 0-5% medium to coarse sand, brown, moist
	170.0	6	S4	14-15-15-8 (30)	24/5	3	Fill		S4 - Poorly Graded GRAVEL with Sand (GP), mostly fine, subangular, 0-5% fines, 15-20% fine to coarse sand, brown, moist REMARK 3: Drill rig chattering at a depth of 7' on possible boulder.
		8	S5	9-7-4-12 (11)	24/0				S5 - No recovery, drove 3" split spoon sampler and recovered sample, similar to S4
10		10	S6	9-22-36-15 (58)	24/0	4			S6 - No recovery REMARK 4: Heavy drill rig chattering at a depth of 11'.
	165.0	12						12.0	Bottom of borehole at 12.0 feet. Borehole backfilled with drill cuttings and 2 bags of gravel. Ground surface restored with asphalt cold patch.
15									
	160.0								
20									
	155.0								
25									

GENERAL NOTES:
The ground surface elevation was interpolated to the nearest foot from drawings EX-1 to EX-12 titled: "Topographic Survey, Stoneham High School, 149 Franklin Street, Stoneham, MA," prepared by Nitsch Engineering, Inc., dated September 10, 2020 and provided to LGCI by Perkins & Will via e-mail on September 14, 2020.

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BORING LOG

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CLIENT: Perkins & Will Architects, Inc.
PROJECT NAME: Proposed Stoneham High School
LGCI PROJECT NUMBER: 2022
PROJECT LOCATION: Stoneham, MA

DATE STARTED: 9/14/20 **DATE COMPLETED:** 9/14/20
BORING LOCATION: Baseball field west of existing building
COORDINATES: NA
SURFACE El.: 169 ft. (see note 1) **TOTAL DEPTH:** 5.3 ft.
WEATHER: 70's / Sunny
GROUNDWATER LEVELS:
▽ **DURING DRILLING:** -
▼ **AT END OF DRILLING:** 3.5 ft. / El. 165.5 ft.
▼ **OTHER:** -

DRILLING SUBCONTRACTOR: Northern Drill Service, Inc.
DRILLING FOREMAN: Justin Stevens
DRILLING METHOD: Drive and wash with 4-inch casing
DRILL RIG TYPE/MODEL: Diedrich D-25
HAMMER TYPE: Automatic
HAMMER WEIGHT: 140 lb. **HAMMER DROP:** 30 in.
SPLIT SPOON DIA.: 1.375 in. I.D., 2 in. O.D.
CORE BARREL SIZE: NA
LOGGED BY: TG **CHECKED BY:** NP

Depth (ft.)	El. (ft.)	Sample Interval (ft.)	Sample Number	Blow Counts (N Value)	Pen./Rec. (in.)	Remark	Strata	Depth El.(ft.)	Material Description
							Topsoil	1.0 / 168.0	Top 12": Topsoil
		1	S1	10-16-21-16 (37)	24/11				S1 - Silty SAND with Gravel (SM), fine, trace medium to coarse, ~20% fines, ~20% fine to coarse subangular gravel, trace of organic soil, brown, moist
	165.0	3	S2	9-10-5-4 (15)	24/5	1 2	Fill		S2 - Silty SAND with Gravel (SM), fine to coarse, 20-25% fines, ~35% fine to coarse subangular to angular gravel, trace of organic soil, trace of roots, brown, moist REMARK 1: Casing refusal encountered, moved boring 2' to the south. REMARK 2: Drill rig chattering at a depth of 4'.
5		5	S3	100/4"	4/0	3		5.3	S3 - No recovery REMARK 3: Split spoon sampler refusal encountered at a depth of 5.3'. Boring terminated.
	160.0								Bottom of borehole at 5.3 feet. Borehole backfilled with drill cuttings and 2 bags of gravel. Restored ground surface with grass patch.
10									
	155.0								
15									
	150.0								
20									
	145.0								
25									

GENERAL NOTES:
The ground surface elevation was interpolated to the nearest foot from drawings EX-1 to EX-12 titled: "Topographic Survey, Stoneham High School, 149 Franklin Street, Stoneham, MA," prepared by Nitsch Engineering, Inc., dated September 10, 2020 and provided to LGCI by Perkins & Will via e-mail on September 14, 2020.

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CLIENT: Perkins & Will Architects, Inc.
PROJECT NAME: Proposed Stoneham High School
LGCI PROJECT NUMBER: 2022
PROJECT LOCATION: Stoneham, MA

DATE STARTED: 9/15/20 **DATE COMPLETED:** 9/15/20
BORING LOCATION: Near NE corner of existing building
COORDINATES: NA
SURFACE EI.: 185 ft. (see note 1) **TOTAL DEPTH:** 10.3 ft.
WEATHER: 60's / Sunny
GROUNDWATER LEVELS:
▽ **DURING DRILLING:** -
▼ **AT END OF DRILLING:** 8.0 ft. / El. 177.0 ft.
▼ **OTHER:** -

DRILLING SUBCONTRACTOR: Northern Drill Service, Inc.
DRILLING FOREMAN: Justin Stevens
DRILLING METHOD: Drive and wash with 4-inch casing
DRILL RIG TYPE/MODEL: Diedrich D-25
HAMMER TYPE: Automatic
HAMMER WEIGHT: 140 lb. **HAMMER DROP:** 30 in.
SPLIT SPOON DIA.: 1.375 in. I.D., 2 in. O.D.
CORE BARREL SIZE: NA
LOGGED BY: TG **CHECKED BY:** NP

Depth (ft.)	El. (ft.)	Sample Interval (ft.)	Sample Number	Blow Counts (N Value)	Pen./Rec. (in.)	Remark	Strata	Depth El.(ft.)	Material Description
		0.5					Asphalt	0.3	Top 3": Asphalt
		2	S1	14-22-21	18/8		Fill	184.7 2.0	S1 - Silty SAND with Gravel (SM), fine to medium, trace coarse, 15-20% fines, 25-30% fine to coarse subrounded gravel, light brown, moist
		3.8	S2	18-11-8-39/4" (19)	22/7		Buried Organic Soil	183.0 3.8	S2 - Similar (SM), fine, trace medium, 45-50% fines, trace fine gravel, trace of organic soil, trace of roots, dark brown, moist
5	180.0					1			REMARK 1: Split spoon sampler refusal encountered at a depth of 3.8' on possible bedrock. Advanced button bit to a depth of 5.3' and began rock core.
		5.3	C1		60/58	2	Bedrock	181.2	C1 - min/ft: 6.4, 5.3, 5.4, 6.3, 5.1 REC= 97% RQD= 87% hard to very hard, slightly weathered to fresh, extremely fractured to sound, fine grained, gray, GRANODIORITE
									▼ REMARK 2: Rock core bit jammed at a depth of 5.8', cleared rock core barrel and continued rock core.
10	175.0					3			REMARK 3: Rock core bit jammed at a depth of 9', cleared rock core barrel and continued rock core.
		10.3						10.3	Bottom of borehole at 10.3 feet. Borehole backfilled with drill cuttings and 2 bags of gravel. Ground surface restored with asphalt cold patch.
15	170.0								
20	165.0								
25	160.0								

GENERAL NOTES:
The ground surface elevation was interpolated to the nearest foot from drawings EX-1 to EX-12 titled: "Topographic Survey, Stoneham High School, 149 Franklin Street, Stoneham, MA," prepared by Nitsch Engineering, Inc., dated September 10, 2020 and provided to LGCI by Perkins & Will via e-mail on September 14, 2020.

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CLIENT: Perkins & Will Architects, Inc.
PROJECT NAME: Proposed Stoneham High School
LGCI PROJECT NUMBER: 2022
PROJECT LOCATION: Stoneham, MA

DATE STARTED: 9/15/20 **DATE COMPLETED:** 9/15/20
BORING LOCATION: Field east of the existing building
COORDINATES: NA
SURFACE EI.: 189 ft. (see note 1) **TOTAL DEPTH:** 4.5 ft.
WEATHER: 60's / Sunny
GROUNDWATER LEVELS:
▽ **DURING DRILLING:** -
▼ **AT END OF DRILLING:** Not encountered
▼ **OTHER:** -

DRILLING SUBCONTRACTOR: Northern Drill Service, Inc.
DRILLING FOREMAN: Justin Stevens
DRILLING METHOD: Drive and wash with 4-inch casing
DRILL RIG TYPE/MODEL: Diedrich D-25
HAMMER TYPE: Automatic
HAMMER WEIGHT: 140 lb. **HAMMER DROP:** 30 in.
SPLIT SPOON DIA.: 1.375 in. I.D., 2 in. O.D.
CORE BARREL SIZE: NA
LOGGED BY: TG **CHECKED BY:** NP

Depth (ft.)	El. (ft.)	Sample Interval (ft.)	Sample Number	Blow Counts (N Value)	Pen./Rec. (in.)	Remark	Strata	Depth El.(ft.)	Material Description
		0							
		2	S1	8-17-23-25 (40)	24/16		Fill	3.5	S1 - Silty SAND (SM), fine, trace medium to coarse, ~20% fines, 10-15% fine subrounded gravel, trace of organic soil, trace of roots, light brown, moist
		3.5	S2	17-19-80	18/12				S2 - Similar to S1
	185.0						Bedrock	4.5	
5						1			REMARK 1: Advanced button bit from a depth of 3.5' to a depth of 4.5' into possible bedrock. Bottom of borehole at 4.5 feet. Borehole backfilled with drill cuttings and 1 bag of gravel.
	180.0								
10									
	175.0								
15									
	170.0								
20									
	165.0								
25									

GENERAL NOTES:
The ground surface elevation was interpolated to the nearest foot from drawings EX-1 to EX-12 titled: "Topographic Survey, Stoneham High School, 149 Franklin Street, Stoneham, MA," prepared by Nitsch Engineering, Inc., dated September 10, 2020 and provided to LGCI by Perkins & Will via e-mail on September 14, 2020.

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CLIENT: Perkins & Will Architects, Inc.
PROJECT NAME: Proposed Stoneham High School
LGCI PROJECT NUMBER: 2022
PROJECT LOCATION: Stoneham, MA

DATE STARTED: 9/15/20 **DATE COMPLETED:** 9/15/20
BORING LOCATION: Near SE corner of site
COORDINATES: NA
SURFACE El.: 191 ft. (see note 1) **TOTAL DEPTH:** 4 ft.
WEATHER: 60's / Sunny
GROUNDWATER LEVELS:
DURING DRILLING: -
AT END OF DRILLING: Not encountered
OTHER: -

DRILLING SUBCONTRACTOR: Northern Drill Service, Inc.
DRILLING FOREMAN: Justin Stevens
DRILLING METHOD: Drive and wash with 4-inch casing
DRILL RIG TYPE/MODEL: Diedrich D-25
HAMMER TYPE: Automatic
HAMMER WEIGHT: 140 lb. **HAMMER DROP:** 30 in.
SPLIT SPOON DIA.: 1.375 in. I.D., 2 in. O.D.
CORE BARREL SIZE: NA
LOGGED BY: TG **CHECKED BY:** NP

Depth (ft.)	El. (ft.)	Sample Interval (ft.)	Sample Number	Blow Counts (N Value)	Pen./Rec. (in.)	Remark	Strata	Depth El.(ft.)	Material Description
	190.0	0					Topsoil	0.7 / 190.3	S1 - Top 8": Silty SAND (SM), fine, 25-30% fines, trace fine gravel, trace of organic soil, trace of roots, brown, moist
		2	S1	6-19-20-15 (39)	24/17		Fill		Bot. 9": Silty SAND with Gravel (SM), fine to coarse, 15-20% fines, 30-35% mostly fine subangular gravel, brown, moist
			S2	28-64-24-16 (88)	24/6				S2 - Silty SAND with Gravel (SM), fine to medium, trace coarse, ~15% fines, 15-20% fine to coarse subangular gravel, light brown, moist
		4				1		4.0	REMARK 1: Drill rig hammer broke at a depth of 4'. Abandoned boring.
5	185.0								Bottom of borehole at 4.0 feet. Borehole beckfilled with drill cuttings.
10	180.0								
15	175.0								
20	170.0								
25									

GENERAL NOTES:
The ground surface elevation was interpolated to the nearest foot from drawings EX-1 to EX-12 titled: "Topographic Survey, Stoneham High School, 149 Franklin Street, Stoneham, MA," prepared by Nitsch Engineering, Inc., dated September 10, 2020 and provided to LGCI by Perkins & Will via e-mail on September 14, 2020.

APPENDIX E – Laboratory Test Results

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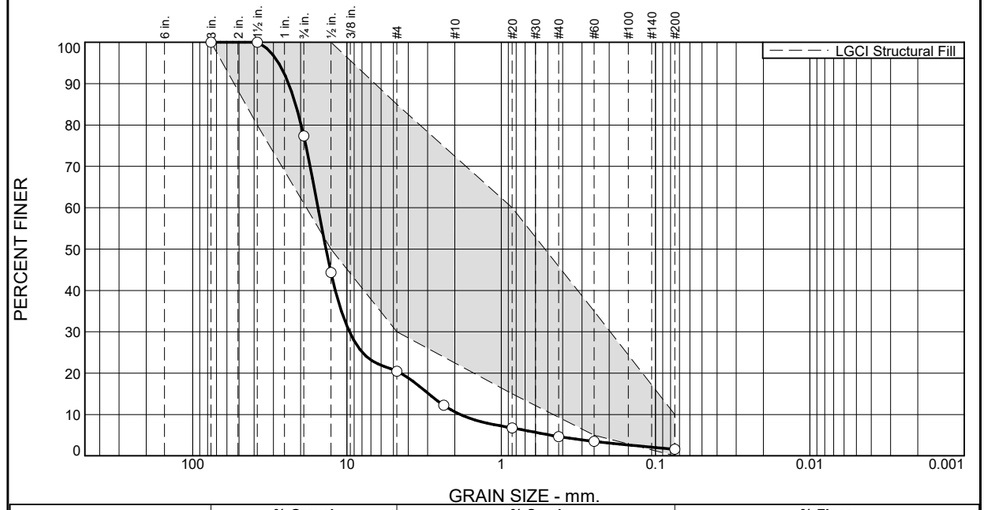
Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	22.6	56.9	9.9	5.9	3.1	1.6	

TEST RESULTS

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
3"	100.0	100.0	
1.5"	100.0	80.0 - 100.0	
0.75"	77.4		
0.5"	44.3	50.0 - 100.0	X
#4	20.5	30.0 - 85.0	X
#8	12.2		
#20	6.8	15.0 - 60.0	X
#40	4.7		
#60	3.5	5.0 - 35.0	X
#200	1.6	0.0 - 10.0	

* LGCI Structural Fill

Material Description

ASTM (D 2488) Classification: Poorly Graded GRAVEL with Sand (GP), mostly fine, subangular, 0-5% fines, 15-20% fine to coarse sand, brown

Atterberg Limits (ASTM D 4318)

PL= LL= PI=

Classification

USCS (D 2487)= AASHTO (M 145)=

Coefficients

D_{90}= 23.9010 D_{85}= 21.5238 D_{60}= 15.4120
D_{50}= 13.6883 D_{30}= 9.6220 D_{15}= 2.9571
D_{10}= 1.8434 C_u= 8.36 C_c= 3.26

Remarks

Fill sample.

Date Received: 9/14/20 **Date Tested:** 9/17/20

Tested By: NP

Checked By: TG

Location: Boring B-3 **Date Sampled:** 9/14/20
Sample Number: S4 **Depth:** 6'-8'

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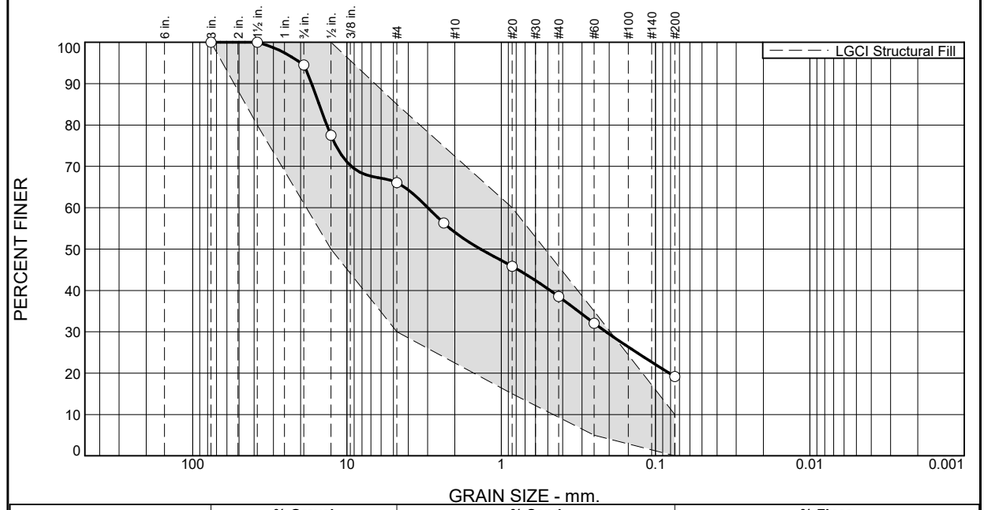
Client: Perkins & Will Architects, Inc.
Project: Proposed Stoneham High School, Stoneham, MA

Project No: 2022 **Figure**

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	5.5	28.5	11.9	15.6	19.3	19.2	

TEST RESULTS

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
3"	100.0	100.0	
1.5"	100.0	80.0 - 100.0	
0.75"	94.5		
0.5"	77.5	50.0 - 100.0	
#4	66.0	30.0 - 85.0	
#8	56.3		
#20	45.8	15.0 - 60.0	
#40	38.5		
#60	32.1	5.0 - 35.0	
#200	19.2	0.0 - 10.0	X

* LGCI Structural Fill

Material Description

ASTM (D 2488) Classification: Silty SAND with Gravel (SM), fine to coarse, 15-20% fines, 30-35% mostly fine subangular gravel, brown

Atterberg Limits (ASTM D 4318)

PL= LL= PI=

Classification

USCS (D 2487)= AASHTO (M 145)=

Coefficients

D_{90}= 16.9439 D_{85}= 15.1491 D_{60}= 2.9903
D_{50}= 1.3595 D_{30}= 0.2091 D_{15}=
D_{10}= C_u= C_c=

Remarks

Fill sample.

Date Received: 9/15/20 **Date Tested:** 9/17/20

Tested By: NP

Checked By: TG

Location: Boring B-7 **Date Sampled:** 9/15/20
Sample Number: S1 Bot. 9" **Depth:** 0'-2'

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Client: Perkins & Will Architects, Inc.
Project: Proposed Stoneham High School, Stoneham, MA

Project No: 2022 **Figure**

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COMMONWEALTH OF MASSACHUSETTS
MD F. SIDDIQUE
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ASTM Phase I Environmental Site Assessment

Stoneham High School
149 Franklin Street
Stoneham, Massachusetts

Prepared for

Perkins and Will, Inc.
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Prepared by

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FSE Project # 20-1756

September 4, 2020

The assessment described herein was conducted by the undersigned, of FS Engineers, Inc. (FSE). The investigation consisted solely of the activities described in the Introduction of this report and is subject to the Terms and Conditions of the consulting agreement signed prior to the initiation of this assessment. We declare that, to the best of our professional knowledge and belief, we meet the definition of an "Environmental Professional" as defined at 40 C.F.R 312.10. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices outlined in 40 C.F.R. 312.

Report Prepared By:

Farooq Siddique, PE, LSP
Principal

Report Reviewed and Approved By:

for

Michael J. Hudson
Sr. Project Manager

FS ENGINEERS, INC.

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1.0 SUMMARY

FS Engineers, Inc. (FSE) was retained by *Perkins and Will, Inc. (P&W)* (Owner's Architect) to conduct an ASTM Phase I Environmental Site Assessment (*Phase I ESA*) of the property identified as *Stoneham High School* located at 149 Franklin Street in Stoneham, MA (the "Site").

The Site consists of a single parcel of land occupying 38.88 acres. The Site parcel is listed by the Town of Stoneham as Parcel ID: 8-0-134. The school development includes the building, parking lots, access driveways, athletic fields, and undeveloped land. A Site Location Map is included in Figure 1.

The Site owner is listed on the Assessors property cards as *Town of Stoneham, Stoneham High School* with a mailing address of 149 Franklin Street, Stoneham, MA 02180.

The Phase I ESA is being performed as part of an existing conditions assessment for a new high school.

1.1 Findings

A site reconnaissance was completed on August 6, 2020, by Mr. Farooq Siddique of FSE. The weather was sunny. There were no limiting conditions to the inspection. The Site owner's representative, Mr. Brian McNeil, Facilities Manager, indicated that he had a general knowledge of the site history, and provided historical information and access for the site inspection. Access to the entire Site interior and exterior was provided.

A completed Transaction Screen Questionnaire is provided as Appendix C and photographs of selected Site features are also included. The Stoneham Fire Department files were requested and reviewed. Local records were reviewed online at the Town of Stoneham website. Due to Covid-19 restrictions, a review of files at City Hall was not allowed. A database search of state and federal sources was conducted and reviewed. Based on these investigations the following findings have been reached:

- The site was undeveloped wooded land until approximately 1968 when the existing school was built.
- The existing Site building footprint and layout has remained largely unchanged since 1968. The building has a concrete slab-on-grade foundation, brick/masonry exterior walls, cinder block interior walls, and tiled concrete floors. The building has a total of 248,986 sf of finished area. The school building has driveways

around it. Franklin Place connects the main school parking area to Franklin Street. The Site has several outdoor athletic fields surrounding the school building.

- The Site is currently heated by natural gas-fired forced hot water systems. The original heating source was #2 fuel oil which was converted to natural gas in 2010.

- The Site currently has no underground storage tanks (USTs).

- The Site had one former 15,000-gallon UST and one former 500-gallon UST; both USTs were removed in 2010. The USTs were transported to Lawrence, MA for disposal. According to Form UST FP-290R, evidence of a leak was observed from the 500-gallon UST during removal. Supporting documentation including the UST removal permits, Form UST FP-290R, and disposal receipts are included in Appendix B.

- Based on a review of state and government agency databases, there was one reported historical spill incident of pesticide/herbicide on the property in 1985. This case was closed on the date of notification. The Site is listed as a Massachusetts generator of hazardous waste and waste oil. No other release of oil or hazardous materials (OHM) was documented or identified at the property.

- The Site does not use significant quantities of hazardous materials or generate significant quantities of hazardous waste. Minor quantities of waste oil and other automotive fluids used/generated in the maintenance garage are stored in secure storage containers located in the garage, prior to offsite disposal.

- No prior Environmental Site Assessment report(s) for the property were known or available for the Site.

- During the 2010 fuel oil UST removal, evidence of leak was observed around the 500-gallon UST as noted on the FP-290R Form. No notification was made to the MassDEP and no additional documentation regarding the leak was found. In the absence of additional documentation (soil sampling results, UST closure report), this is considered to be a *recognized environmental condition (REC #1)*.

1.2 Opinions

FSE conducted a *Phase I ESA* in conformance with 40 CFR Part 312 "Standards and Practices for All Appropriate Inquiries," and ASTM E1527-13 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process". Based on the findings presented in Section 1.1, FSE has the following opinion(s):

- One r*ecognized environmental condition (REC #1)* associated with the 500-gallon #2 fuel oil UST removed in 2010 was identified at the Site. No information relative to response actions completed was available in the state and local databases and records reviewed.

- Future construction or demolition activities in the vicinity of the former 500-gallon #2 fuel oil UST may encounter petroleum-impacted soil that would require special handling and disposal.

- No other r*ecognized environmental conditions (RECs), historical recognized environmental conditions (HRECs), controlled recognized environmental conditions (CRECs), or business environmental risks (BERs)* were identified at the Site. Mold and wetlands were not identified as significant environmental issues at this Site.

1.3 Conclusions

FSE has performed a *Phase I ESA* in conformance with the scope and limitations of 40 CFR Part 312, "Standards and Practices for All Appropriate Inquiries," and ASTM E1527-13 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process". Any limiting conditions, exceptions to, or deletions from, this practice are described in Section 2.0 of the *Phase I ESA* report. Based on this work, the following conclusions have been reached:

- One *recognized environmental condition (REC #1)* was identified in connection with the Site. The evidence of a leak from the former 500-gallon #2 fuel oil UST constitutes a *recognized environmental condition*. The UST removal permit, Form UST FP-290R, and disposal receipt for the 500-gallon #2 fuel oil UST are included in Appendix B. No UST closure report or confirmatory soil sampling results for this UST were found.

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2.0 INTRODUCTION

2.1 Site Location and Legal Description

The Site consists of a single parcel of land containing approximately 38.88 acres located on the south side of Franklin Street in Stoneham, Massachusetts. Stoneham High School, which occupies the property, is located at the end of Franklin Place. The school development includes the building, parking lots, access driveways, athletic fields, and undeveloped land. A Site Location Map is included in Figure 1. The Site parcel is bordered as follows:

North: Franklin Street, across which are residential homes;
East: Residential developments;
South: Residential developments; and,
West: Residential developments.

The Town of Stoneham Assessor's office identifies the school property parcel as Parcel ID: 8-0-134.

The Site owner is listed on the Assessors property card as *Town of Stoneham, Stoneham High School* with a mailing address of 149 Franklin Street, Stoneham, MA 02180.

The school property is contained in four Assessors Maps, these are Map 8, Map 9, Map 13, and Map 14. Copies of the Assessor's Maps showing the Site parcel and adjacent area are included as Figure 2A, 2B, 2C, and 2D. According to the assessor's data, the property use is School. Copies of the assessor's property card and index map are included in Appendix B.

2.2 Purpose

The purpose of the *Phase I ESA* is to:

(i) provide an objective third-party opinion as to the environmental status or condition of the Site;

(ii) identify any *recognized environmental conditions (RECs):* presence or likely presence of any *hazardous substances* or *petroleum products* in, on, or at the Site: (1) due to a release to the environment; (2) under conditions indicative of a release to the environment; or, (3) under conditions that pose a material threat of future release to the environment;

(iii) identify any *historical recognized environmental conditions (HRECs):* past release of

any hazardous substances or petroleum products that has occurred in connection with the Site 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 Site to any required controls (e.g. property use restrictions, activity and use limitations, institutional controls, or engineering controls);

(iv) identify any *controlled recognized environmental conditions (CRECs):* a *recognized environmental condition* resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g. as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by the regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g. property use restrictions, activity and use limitations, institutional controls, or engineering controls);

(v) identify designated *business environmental risks (BERs):* a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate related to asbestos-containing material ("ACM"), lead-based paint ("LBP"), mold and wetlands;

(vi) recommend any additional testing or investigation warranted by the findings of the *Phase I ESA* and provide cost estimates for such additional scope of work;

(vii) gather preliminary information regarding the compliance of the Site with applicable environmental laws, regulations, and permits; and,

(viii) permit the *user* (as defined by ASTM E1527-13 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process") to satisfy "all appropriate inquiry" as defined at 42 U.S.C 9601(35)(B).

2.3 Scope of Services/Methodology

Phase I ESA consisted of the following main tasks:

- Records Review: a review of pertinent Local, State and Federal online databases supplemented by file reviews;
- Site Reconnaissance: an inspection of the site property;
- Interviews: interviews with present and past owners, operators, and occupants of the property; and interviews with local officials, where available;
- Evaluation and Report: present the findings, opinions, and conclusions, supported

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by documentation, in the report.

2.4 Significant Assumptions

FSE relied on the Database Search Report compiled and prepared by Environmental Risk Information Services, Inc. (ERIS), a third-party vendor.

2.5 Limitations and Exceptions

No significant limitations or exceptions were encountered in the course of completing this *Phase I ESA* assessment. Due to Covid-19 restrictions, in-person file reviews were not allowed at the Town Hall.

2.6 Special Terms and Conditions

No special terms or conditions applied to this *Phase I ESA*.

2.7 Data Failures and Data Gaps

No significant data failures or data gaps were encountered in the course of this *Phase I ESA*.

2.8 User Reliance

The user of this report, and the party who has been afforded the ability to rely on it, is considered to be: *Perkins and Will, Inc. (P&W)* (Owners Architect).

3.0 USER PROVIDED INFORMATION

3.1 Title Records

The Town of Stoneham Assessors office identifies the property as described in Section 2.1. The property title records were searched online as part of this *Phase I ESA* and available online records do not date back to 1965, the year of the most recent sale.

3.2 Environmental Liens or Activity and Use Limitations

Title records were not available for review online. Online records typically include the period from the 1970s to the present. Records before the 1970s are available for in-person

review, which is currently not allowed due to Covid-19 restrictions.

3.3 Specialized Knowledge

The following questions were asked of the Site owner's representative, Mr. Brian McNeil, Facilities Manager, who indicated he had a general knowledge of the site history. A full user questionnaire, which includes observations by FSE during the site inspection, is included in Appendix C.

3.3.1 Does the user have any specialized knowledge or experience related to the Site or nearby properties? **YES**

3.3.2 Is the user involved in the same line of business as the current or former occupants of the Site or an adjoining property so that there is specialized knowledge of the chemicals and processes used by these types of businesses? **YES – the site has been a high school since being built in 1968.**

3.3.3 Is the user aware of commonly known or reasonably ascertainable information about the Site that would help the environmental professional to identify conditions indicative of releases or threatened releases? **YES**

3.3.4 Is the user aware of past uses of the Site? **YES**

3.3.5 Is the user aware of specific chemicals that are present or once were present at the Site? **YES**

3.3.6 Is the user aware of spills or other chemical releases that have occurred at the Site? **NO**

3.3.7 Is the user aware of any environmental cleanups that have occurred at the Site? **NO**

3.3.8 Is the user aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Site? **NO**

3.3.9 Is the user aware of any notices from a government entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? **NO**

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3.4 Valuation Reduction for Environmental Issues

No environmental issues were identified during this *Phase I ESA* that would impact the property value or use.

3.5 Commonly Known or Reasonably Ascertainable Information

The current occupant has no knowledge that any activities other than the existing site use as a high school have occurred on the property.

3.6 Reason for Performing Phase I

The *Phase I ESA* is being performed as part of an existing conditions assessment for a proposed new high school. The user of this report was listed in Section 2.8 User Reliance.

4.0 RECORDS REVIEW

A computerized radius search of State and Federal environmental record databases was performed to investigate sites with known adverse environmental conditions that have the potential to impact the site and surrounding vicinity. The search was performed in general accordance with ASTM Standard E1527-13 using an electronic database search by Environmental Risk Information Services, Inc. (ERIS). A copy of the database search results, entitled Database Report, is contained in Appendix A. A summary of the search results is presented in the following table.

Database Search Results

Database	Search Radius (miles)	Site	0 - 1/8 miles	1/8 - 1/4 miles	1/4 - 1/2 miles	1/2 – 1 mile
FEDERAL						
NPL	1.00	0	0	0	0	0
Delisted NPL	0.50	0	0	0	0	-
CERCLIS	0.50	0	0	0	0	-
CERCLIS NFRAP	0.50	0	0	0	0	-
RCRA CORRACTS	1.00	0	0	0	0	0
RCRA non-CORRACTS TSD	0.50	0	0	0	0	-
RCRA Generator	0.25	0	0	0	-	-
IC/EC	0.50	0	0	0	0	-
Brownfields	0.50	0	0	0	0	-
ERNS	Site only	0	-	-	-	-
STATE and TRIBAL						
State/Tribal Release Sites	1.00	0	0	2	7	48
State/Tribal Spills 90	0.12	1	0	-	-	-
State/Tribal SWL	0.50	0	0	0	0	-
State/Tribal LUST	0.50	0	0	0	4	-
State/Tribal UST/AST	0.25	0	0	0	-	-
State/Tribal IC/EC/AUL	0.50	0	0	1	1	-
State/Tribal VCP	0.50	0	0	0	0	-
State/Tribal Brownfield	0.50	0	0	0	0	-
Generator	0.25	1	0	-	-	

4.1 Federal Records

No sites were identified within the search radii utilized for the various federal databases. Additional information for the federal sites searched is provided in the *Selected Site Details Pages* of the Database Report (Appendix A). A brief description of the search results for the databases searched is presented below.

4.1.1 NPL Sites

The search identified no National Priority List (NPL or "Superfund") sites within 1-mile from the Site.

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The search identified no NPL delisted sites within ½-mile from the Site.

4.1.2 CERCLIS Listings

The search identified no Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) sites within ½-mile from the Site.

The search identified no CERCLIS No Further Remedial Action Planned (NFRAP) sites within ½-mile from the Site.

4.1.3 RCRA Facilities

The search identified no Resource Conservation and Recovery Act (RCRA) Corrective Action (CORRACTS) sites within 1-mile from the Site.

The search identified no RCRA non-CORRACTS treatment, storage, and disposal (TSD) facilities within ½-mile from the Site.

The search identified no RCRA Large Quantity Generators (LQGs), no Small Quantity Generators (SQGs), and no Conditionally Exempt Small Quantity Generators (CESQG) within ¼-mile from the Site.

4.1.4 IC/EC Sites

The search identified no federal institutional control/engineering control (IC/EC) sites within ½-mile of the Site.

4.1.5 ERNS Sites

The search did not identify the Site as an Emergency Response Notification System (ERNS) incident site.

4.2 State Records

Several sites were identified in the state records searched within the search radii utilized for various state databases. A brief description of the search results is presented below. Additional information for the sites identified within ½-mile of the Site is provided in the *Selected Site Details Pages* of the Database Report (Appendix A).

4.2.1 State-Listed Release Sites

The database search did not identify the subject Site in the state release sites database. The search identified 2 release sites between ⅛-mile and ¼-mile from the Site, 7 release sites

between ¼-mile and ½-mile from the Site, and 48 release sites between ½-mile and 1-mile from the Site. The release files were reviewed and are discussed below.

The 2 closest release sites are associated with the *Residence* located at 15 Rustic Road, approximately 0.23 miles east southeast from the subject Site and a location near 18 Rustic Road, approximately 0.24 miles east southeast from the subject Site. Both releases (RTN 3-0014975 and 3-0022064) were closed with a Response Action Outcome (RAO) report filed with the MassDEP. RTN 3-0014975 was reported in 1997 for a release of #2 fuel oil and was closed in 1998 with an RAO report with an Activity and Use Limitation (AUL). RTN 3-0022064 was reported in 2002 for a release of hydraulic oil and hydraulic fluid and was closed in 2002 with an RAO report and no conditions. These two release sites are unlikely to impact the subject Site.

The remaining listed release sites were reviewed, are greater than ¼- mile from the subject Site, and based on distance, location, and elevation are unlikely to impact the subject Site.

4.2.2 Spills

The search identified 1 historical spill at the Site. No other spills were identified within ⅛-mile from the Site. The listed on-site historical spill was reportedly associated with pesticides/herbicides. The historical spill is listed in the state database as opened and closed in 1985 and is unlikely to impact the Site.

4.2.3 Solid Waste Facilities/Landfills

The search identified no solid waste facilities/landfills (SWL) within ½-mile from the Site.

4.2.4 Leaking Underground Storage Tanks

The search identified 0 LUST sites within ⅛-mile from the Site, 0 LUST sites between ⅛-mile and ¼-mile from the Site, and 4 LUST sites between ¼-mile and ½-mile from the subject Site.

The LUST sites were reviewed, are greater than ¼-miles from the subject Site, and based on distance, location, and elevation are unlikely to impact the subject Site.

4.2.5 Registered Underground Storage Tanks

The search identified no registered UST sites within ¼-mile from the subject Site.

4.2.6 IC/EC/AUL Sites

The search identified 1 Activity and Use Limitation (AUL) site within ¼-mile from the Site and 1 AUL site between ¼-mile and ½-mile from the subject Site. The closest AUL site is

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the aforementioned residence at 15 Rustic Road. These locations are unlikely to impact the subject site.

4.2.7 Brownfield Sites

The search identified no state-listed Brownfield sites within ½-mile from the subject Site.

4.2.8 Generator Sites

The search identified the subject Site as a state-listed generator. No other state-listed generators were identified within ⅛-mile from the subject Site. No issues or violations were identified for the subject Site in the database.

4.3 Local/State Records

Local records were reviewed online at the Town of Stoneham website. Due to Covid-19 restrictions, a review of files at City Hall was not permitted.

4.3.1 Fire Department

The Fire Department files for the subject site were requested and copies of pertinent records are included, as received, in Appendix B. Permits were issued for the removal of one 15,000-gallon and one 500-gallon #2 fuel oil USTs in December 2010. The two USTs were removed on December 16, 2010. The FP-290R form indicates that, during removal, evidence of a leak was observed around the 500-gallon UST and no evidence of leak was observed around the 15,000- gallon UST. The USTs were transported to Lawrence, MA for disposal. Copies of UST removal permits, Form UST FP-290R, and UST disposal receipts are included in Appendix B. According to Mr. Kevin Yianacopolus of the Facilities Department, the USTs were located next to each other in the ground near the northwest building corner. The approximate location of the USTs is shown on an aerial photo in Appendix B.

4.3.2 Board of Health

The Board of Health files were not searched for the subject Site.

4.3.3 City/Town Clerk's/Assessor's Office

The Assessor's office website was used to access the Assessing Department files and property maps. The Assessors Property Cards for the Site are included in Appendix B. The parcel extended into four Assessors Maps and the parcel boundaries are shown in Figure 2A, 2B, 2C, and 2D. The site is comprised of a single parcel.

4.3.4 Other

No other files were reviewed as part of this *Phase I ESA*.

4.4 Physical Setting

4.4.1 USGS Topographic Map

The Site is located in a moderately developed residential/municipal area of Stoneham. The site is bordered by Franklin Street to the north, beyond which are residences. The USGS topographic map for the Site area is included in Figure 1. The Site elevation is approximately 181 feet above mean sea level at the school building but varies significantly across the 38.88-acre property which generally slopes downhill from west to south.

4.4.2 Surface Water, Wetlands, and Stormwater

There is no surface water within the Site. The nearest named open surface water is Doleful Pond located several hundred feet to the south from the Site. Spot Pond with is large water body is located about ½-mile to the south.

4.4.3 Hydrogeology

Based upon the site topography, the likely direction of groundwater flow beneath the property is to the south towards Spot Pond. The Site is located on relatively flat terrain. Bedrock exposures were not generally observed in the middle of the property but were observed along the boundaries during the site area reconnaissance. The depth to groundwater at the site is estimated to be 10 to 15 feet below ground surface (bgs).

4.4.4 Vapor Migration

Vapor migration, or vapor intrusion, is not known to be an issue at this property. The developed portion of the site, including the building and parking lot, is surrounded by open fields as a buffer. Vapor migration into the school building from an offsite source is unlikely at this site. The former 500-gallon #2 fuel oil UST was located further away from the building foundation and is an unlikely source of vapor intrusion into the building.

4.5 Historical Use Information

4.5.1 Information from Site Owner/Operator

The Site owner's representative provided historical information for the site. A copy of the User Questionnaire is included in Appendix C.

4.5.2 Previous Environmental Reports

No previous site-wide environmental report for the subject Site was known or available.

4.5.3 Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps were not available for this Site area due to the location being historically undeveloped land outside an urban center.

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4.5.4 Aerial Photographs

A 2019 aerial photograph that depicts the current site layout is provided in Figure 4.

Historical aerial photographs of the Site and surrounding area were reviewed online for the years 1938, 1955, 1969, 1971, 1978, 1995, 2001, 2003, 2004, 2005, 2008, 2010, 2012, 2013, 2014, and 2016. Aerial photos for the period 1969 to 2016 show the site building and development to be unchanged. The 1938 to 1955 photos show the site as undeveloped and wooded land. This is consistent with the school construction date of 1968.

4.5.5 Street/City Directories

City directories were reviewed for this Phase I ESA. City directories for the period 1937 to 2018 were reviewed at approximately 5-year intervals. The site had no listing from 1937 to 1966. The site has been listed as the *Stoneham High School* since 1970.

4.5.6 Other Historical Sources

No other historical sources were reviewed.

4.5.7 Summary of Historical Use Information for Site

Based on available information and conversations with persons knowledgeable about the Site, the following historical use information has been determined.

The site parcel was undeveloped and wooded land prior to 1968 when the current school building was constructed. The school opened in 1968. The school building contains 248,986 sf of finished area.

This history is consistent with the aerial photos, city directories, and assessor's records reviewed.

5.0 SITE RECONNAISSANCE

5.1 Methodology, Limiting Conditions, and Observations

A site reconnaissance was completed on August 6, 2020, by Mr. Farooq Siddique, PE, LSP of FSE. The weather was sunny. There were no limiting conditions to the inspection. The Site owner's representative, Mr. Brian McNeil, Facilities Manager, provided historical information and access for the site inspection. The property is operated as *Stoneham High School*. The site is fully occupied by the owner. Access was provided to the Site exterior and interior with no limitations.

A completed Transaction Screen Questionnaire is provided as Appendix C and photographs of selected Site features are also included. FSE did not detect odors at the Site indicative of the presence of hazardous substances or uncontrolled petroleum products during the site walk.

5.2 Site Utilities and Solid Waste Disposal

The Site utilities include public water, public sewer, natural gas, and electricity. Solid waste dumpsters are located at several locations around the building perimeter.

5.3 Underground and Aboveground Storage Tanks

There is a history of USTs at this Site. The site building was previously heated by #2 fuel oil-fired boilers. In December 2010, one 15,000-gallon UST and one 500-gallon UST (both #2 fuel oil) were removed and the boilers were replaced by natural gas-fired boilers. According to records at the fire department, evidence of a leak was observed around the 500-gallon UST. No evidence of a leak was observed around the 15,000-gallon UST. UST removal permits, Form UST FP-290R, and UST disposal receipts are included in Appendix B.

No other USTs or ASTs used to store oil or hazardous materials were observed during the site inspection.

5.4 Hazardous Substances, Hazardous Waste, and PCBs

The high school does not use significant quantities of hazardous substances or generate significant quantities of hazardous waste. The automobile maintenance garage stores various typical automotive fluids in quantities ranging from 55 gallons to less than 1 gallon. Waste oil is stored in containers inside the garage.

No visible evidence of uncontrolled hazardous substances, hazardous waste, or PCBs was observed onsite. Overall, the site interior and exterior were orderly and clean.

One electrical transformer at the site is located in a locked room in the northwest building corner. Access was not available for inspection. According to Brian McNeil, no issues were known relative to the transformer.

5.5 Stained Surfaces, Distressed Vegetation, Pits, Ponds, and Lagoons

FSE did not observe evidence of stained surfaces, distressed vegetation, pits, ponds,

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lagoons, pools of liquid, or odors.

5.6 Drains, Sumps, and Underground Structures

No sump or sump pumps were observed in the building's ground level areas. The owner's representative indicated no knowledge of flooding or other water problems at the Site. Several floor drains were observed throughout the building and reportedly discharge to the sewer system.

6.0 INTERVIEWS

6.1 Interview of Past/Present Owners, Managers, and Occupants

The current owner's representative, Mr. Brian McNeil, was interviewed. A completed questionnaire which includes FSE's observations during the site inspection is included in Appendix C. No other present or past owners or occupants were identified or interviewed.

6.2 Interview of Others

The Fire Department was interviewed relative to available files and records. No other individuals were interviewed.

7.0 ADDITIONAL SERVICES

7.1 Mold Evaluation

The Site owner's representative indicated there is no history of flooding at the Site and no history of mold in the Site building.

7.2 Asbestos-Containing Materials

Based on visual observations, the following suspect asbestos-containing building materials (ACBM) were observed in the building: tiles and adhesives/joint compounds, etc. No confirmatory asbestos sampling was conducted during this assessment to confirm the presence or absence of ACBM at the Site. FSE cannot make any conclusions on ACBM that may be located behind walls, ceilings, or flooring of the building, or in areas to which access was not available.

7.3 Lead-Based Paint

Lead-based paint was widely used in buildings and structures constructed prior to 1978 and can be hazardous if damaged (i.e. chipped, broken, crumbling, pulverized). Lead is hazardous to humans, particularly to children, if ingested, inhaled, or otherwise absorbed. Lead may cause a range of health problems ranging from behavioral problems and learning disabilities to seizures and death. In adults, the health problems can range from difficulties during pregnancy, other reproductive problems, high blood pressure, digestive problems, nerve disorders, memory and concentration problems, and muscle and joint pain.

Upon visual inspection of the building, the painted areas (walls, windows, and doors, etc.) appeared to be in fair to good condition. No paint samples were analyzed to confirm the presence or absence of lead-based paint at the Site.

8.0 LIMITATIONS AND CONDITIONS

FSE has completed a Phase I Environmental Site Assessment for the subject property in general accordance with ASTM Standard E 1527-13.

The findings and conclusions are limited to the information available at the time of the investigation and the scope of services as defined. No conclusion can be made relative to the presence or absence of ACBM or Lead-Based Paint (LBP) because no sampling was conducted for ACBM or LBP. No other conclusions, interpretations, or recommendations are contained or implied in this report other than those expressed. Also, FSE makes no warranty, expressed or implied, on the accuracy of the work and information completed by others and upon which FSE has relied on to prepare this report. Additional data subsequently provided, disclosed, or produced may alter findings or conclusions made in this report. FSE is under no obligation to update this report to reflect such subsequent information. The findings presented in this report are based upon the information reasonably available and observed site conditions at the time of this assessment. This report may not be relied on by any party other than the Client with whom FSE has been contracted to prepare this report. No other use of this report is warranted without the written consent of FS Engineers, Inc.

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9.0 REFERENCES

American Society for Testing and Materials (ASTM) E 1527-13 “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process”

ERIS, Ltd, Database Report (July 29, 2020)

MassDEP, online database search (August 2020)

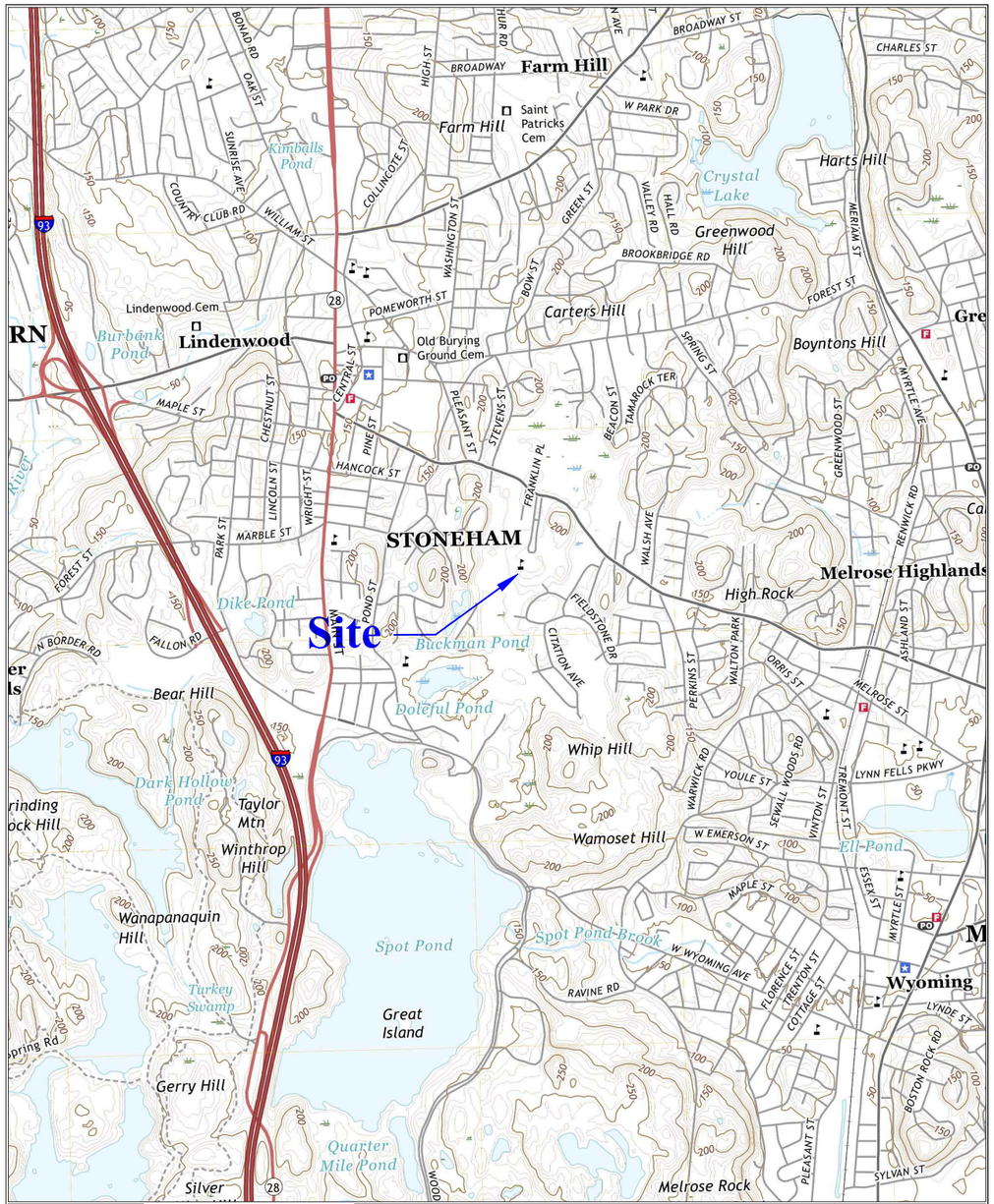
Town of Stoneham Municipal Offices (online, telephone, August 2020)

Stoneham High School

ASTM Phase I Environmental Site Assessment
149 Franklin Street, Stoneham, MA

FIGURES

Figure 1. Site Location Map
Figure 2. Assessors Site Plan
Figure 3. Street Map
Figure 4. Aerial Photo Map
Figure 5. MassDEP Phase I Site Assessment Map



SITE LOCATION MAP	FS ENGINEERS, INC. 42 NONSET PATH, SUITE 42-1 ACTON, MA 01720 TEL. (978) 274 - 2830	STONEHAM HIGH SCHOOL 149 FRANKLIN STREET STONEHAM, MASSACHUSETTS
FIGURE 1		SOURCES: USGS 7.5 X 7.5 Minute Quadrangle Topographic Maps
SCALE 1:24,000		

7 13



Map 8

2 6

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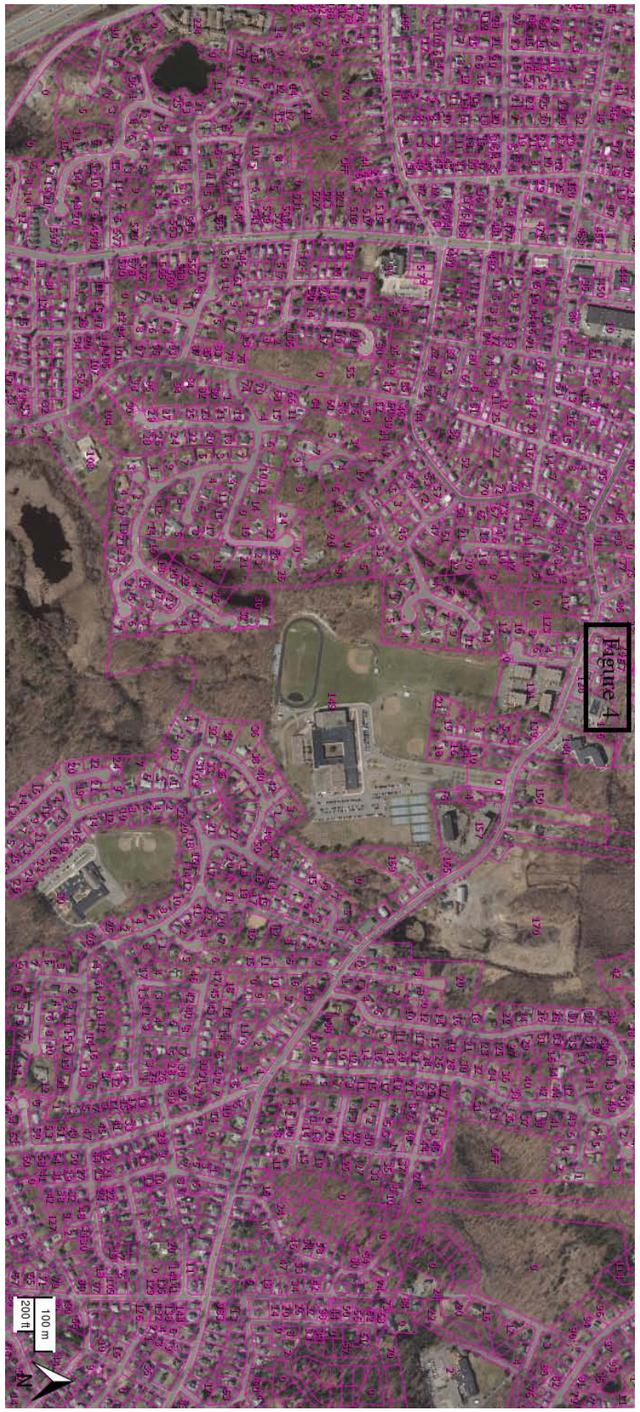
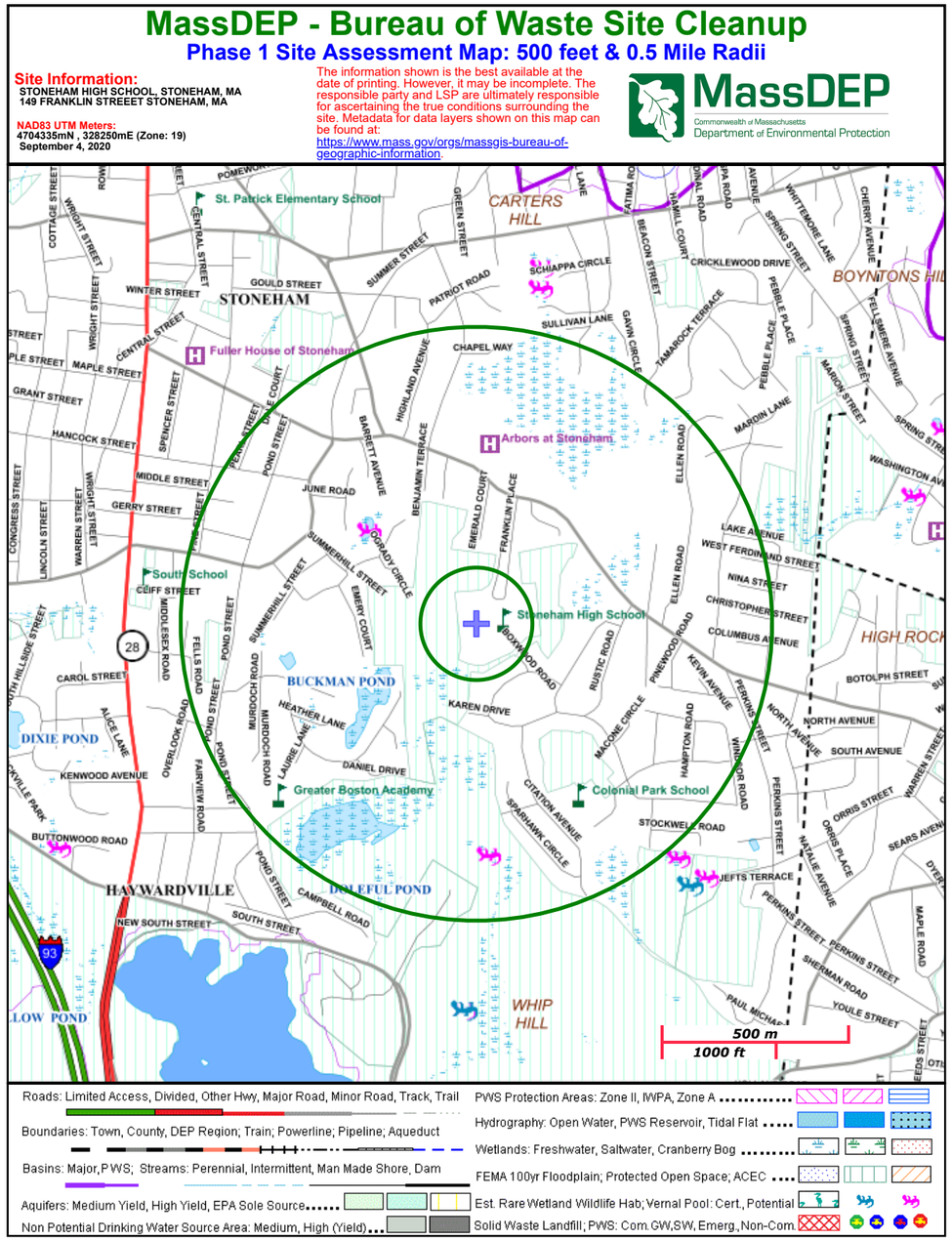


Figure 4



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PHOTOGRAPHS

Stoneham High School
ASTM Phase I Environmental Site Assessment
149 Franklin Street, Stoneham, MA



Photo 1. View of the school building from the parking area.



Photo 2. View of the school building from the parking area.

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Photo 3. View of baseball field to the west of the building.



Photo 4. View of the driveway along the west of the building.



Photo 5. View of the area of the former USTs.



Photo 6. View of the loading dock and transformer room in the northwest building corner.

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Photo 7. View of the vehicle maintenance garage.



Photo 8. View solid waste dumpsters along the east building wall.



Photo 9. View of the gas supply along the north building wall.



Photo 10. View of the former UST location.

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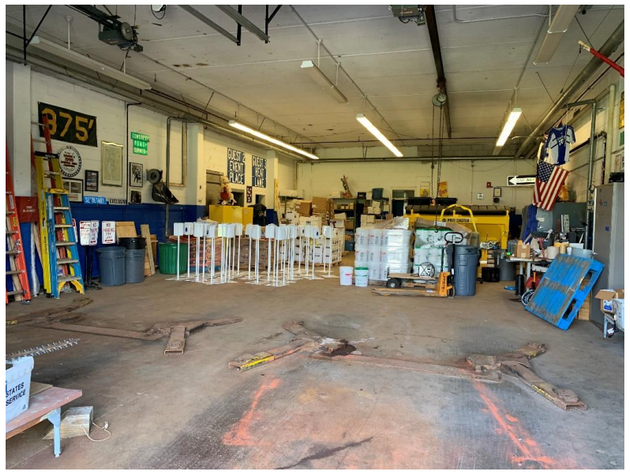

Photo 11. View of the maintenance garage interior.



Photo 12. View of the inactive furnace.



Photo 13. View of the furnace room floor.



Photo 14. View of a new hot water boiler.

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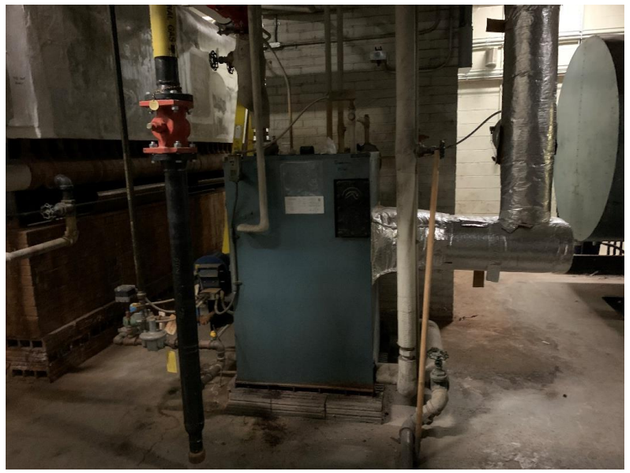

Photo 15. View of the boiler room floor.



Photo 16. View of the boiler room floor.

APPENDIX A

DATABASE SEARCH REPORT

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Project Property: *Stoneham High School, Stoneham, MA*
149 Franklin St
Stoneham MA 02180

Project No: *20-1756*

Report Type: *Database Report*

Order No: *20200728242*

Requested by: *FS Engineers, Inc.*

Date Completed: *July 29, 2020*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 I info@erisinfo.com I erisinfo.com

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Executive Summary

Property Information:

Project Property: *Stoneham High School, Stoneham, MA*
149 Franklin St Stoneham MA 02180

Project No: *20-1756*

Coordinates:

Latitude:	*42.4722844*
Longitude:	*-71.0893321*
UTM Northing:	*4,704,330.59*
UTM Easting:	*328,248.44*
UTM Zone:	*19T*

Elevation: *181 FT*

Order Information:

Order No: *20200728242*
Date Requested: *July 28, 2020*
Requested by: *FS Engineers, Inc.*
Report Type: *Database Report*

Historicals/Products:

Executive Summary: Report Summary

Database	*Searched*	*Search Radius*	*Project Property*	*Within 0.12mi*	*0.125mi to 0.25mi*	*0.25mi to 0.50mi*	*0.50mi to 1.00mi*	*Total*
Standard Environmental Records								
Federal								
FRP	Y	0.25	0	0	0	-	-	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA CESQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	0	-	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0

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Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
RELEASE	Y	1	0	0	**2**	**7**	**48**	**57**
DELISTED REL	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
LST	Y	0.5	0	0	0	**4**	-	**4**
LUST	Y	0.5	0	0	0	**4**	-	**4**
LAST	Y	0.5	0	0	**1**	0	-	**1**
DELISTED LST	Y	0.5	0	0	0	0	-	0
HIST LUST	Y	0.5	0	0	0	**1**	-	**1**
HIST LAST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
AST	Y	0.25	0	0	0	-	-	0
DELISTED STORAGE TANK	Y	0.25	0	0	0	-	-	0
AUL	Y	0.5	0	0	**1**	**1**	-	**2**
BROWNFIELDS COV	Y	0.5	0	0	0	0	-	0
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County	***No County standard environmental record sources available for this State.***							
Additional Environmental Records								
Federal								
PFAS NPL	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	**1**	-	-	-	-	**1**
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
SPILLS	Y	0.125	0	0	-	-	-	0
HIS SPILLS	Y	0.125	**1**	0	-	-	-	**1**
PFAS	Y	0.5	0	0	0	0	-	0
OIL & HAZ MAT	Y	0.25	0	0	0	-	-	0
GEN	Y	0.125	**1**	0	-	-	-	**1**
Tribal	***No Tribal additional environmental record sources available for this State.***							
County	***No County additional environmental record sources available for this State.***							
Total:			***3***	***0***	***4***	***17***	***48***	***72***

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

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Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	HIS SPILLS		STONEHAM HIGH SCHOOL,FRANKLIN STONEHAM MA ***Spill ID* | *Case Closed:*** *N85-0305 | YES*	-	0.00 / 0.00	-1	27
1	FINDS/FRS	STONEHAM HIGH SCHOOL	149 FRANKLIN STREET STONEHAM MA 02180-1599	-	0.00 / 0.00	-1	27
1	GEN	STONEHAM HIGH SCHOOL	149 FRANKLIN ST STONEHAM MA 02180	-	0.00 / 0.00	-1	28

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
2	AUL	RESIDENCE	15 RUSTIC RD STONEHAM MA	ESE	0.23 / 1,216.10	-6	28
2	LAST	RESIDENCE	15 RUSTIC RD STONEHAM MA ***RTN:*** 3-0014975	ESE	0.23 / 1,216.10	-6	30
2	RELEASE	RESIDENCE	15 RUSTIC RD STONEHAM MA ***RTN:*** 3-0014975 ***Current Status:*** RAO	ESE	0.23 / 1,216.10	-6	32
3	RELEASE	NO LOCATION AID	NEAR 18 RUSTIC RD STONEHAM MA ***RTN:*** 3-0022064 ***Current Status:*** RAO	ESE	0.24 / 1,273.46	-6	35
4	LUST	138 FRANKLIN STREET	138 FRANKLIN ST STONEHAM MA ***RTN:*** 3-0031294	N	0.27 / 1,410.24	-14	36
4	LST	138 FRANKLIN STREET	138 FRANKLIN ST STONEHAM MA 02180-0000 ***Site No* | *Current Date* | *Status Desc:*** 3-0031294 | 4/12/2013 | Response Action Outcome	N	0.27 / 1,410.24	-14	38
4	RELEASE	138 FRANKLIN STREET	138 FRANKLIN ST STONEHAM MA ***RTN:*** 3-0031294 ***Current Status:*** RAO	N	0.27 / 1,410.24	-14	40
5	AUL	STEVENS STREET INTERSECTION	128 FRANKLIN ST STONEHAM MA	NNW	0.30 / 1,576.60	-14	42
5	RELEASE	STEVENS STREET INTERSECTION	128 FRANKLIN ST STONEHAM MA ***RTN:*** 3-0018354 ***Current Status:*** RAO	NNW	0.30 / 1,576.60	-14	47
6	RELEASE	NO LOCATION AID	5 MACONE CIR STONEHAM MA ***RTN:*** 3-0023122 ***Current Status:*** RAO	ESE	0.31 / 1,640.89	-14	52
7	LUST	NO LOCATION AID	19 DAPPER DARBY DR STONEHAM MA ***RTN:*** 3-0025999	SW	0.34 / 1,769.69	-19	53
7	LST	NO LOCATION AID	19 DAPPER DARBY DR STONEHAM MA 02180-0000 ***Site No* | *Current Date* | *Status Desc:*** 3-0025999 | 11/13/2006 | Response Action Outcome	SW	0.34 / 1,769.69	-19	55

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7	RELEASE	NO LOCATION AID	19 DAPPER DARBY DR STONEHAM MA	SW	0.34 / 1,769.69	-19	56
			RTN: 3-0025999 ***Current Status:*** RAO				
8	HIST LUST	PROPERTY	72 SUMMER ST STONEHAM MA	WNW	0.35 / 1,859.66	-20	58
			Spill ID **|** ***Case Closed:*** N92-0772	YES			
8	LUST	PROPERTY	72 SUMMER ST STONEHAM MA	WNW	0.35 / 1,859.66	-20	58
			RTN: 3-0004298				
8	LST	PROPERTY	72 SUMMER ST STONEHAM MA 2180	WNW	0.35 / 1,859.66	-20	59
			Site No **|** ***Current Date*** **|** ***Status Desc:*** 3-0004298	8/5/1997	Response Action Outcome		
8	RELEASE	PROPERTY	72 SUMMER ST STONEHAM MA	WNW	0.35 / 1,859.66	-20	60
			RTN: 3-0004298 ***Current Status:*** RAO				
9	LUST	CURTIS AMBULANCE	32 SUMMER ST STONEHAM MA	W	0.42 / 2,243.04	-25	61
			RTN: 3-0000018				
9	LST	CURTIS AMBULANCE	32 SUMMER ST STONEHAM MA 2180	W	0.42 / 2,243.04	-25	62
			Site No **|** ***Current Date*** **|** ***Status Desc:*** 3-0000018	10/23/1997	Response Action Outcome		
9	RELEASE	CURTIS AMBULANCE	32 SUMMER ST STONEHAM MA	W	0.42 / 2,243.04	-25	63
			RTN: 3-0000018 ***Current Status:*** RAO				
10	RELEASE	SULLIVAN LANE/SULLIVAN CIRCLE	5 SULLIVAN CIR STONEHAM MA	NNE	0.48 / 2,560.34	-14	65
			RTN: 3-0017352 ***Current Status:*** RAO				
11	RELEASE	COMMERCIAL PROPERTY	15 DALE COURT STONEHAM MA	NW	0.52 / 2,738.28	-34	68
			RTN: 3-0030504 ***Current Status:*** RAO				
12	RELEASE	PROPERTY	492 MAIN ST STONEHAM MA	W	0.60 / 3,170.30	-22	70
			RTN: 3-0002633 ***Current Status:*** PENNFA				
13	RELEASE	NORTHEAST MANUFACTURING	35 SPENCER ST STONEHAM MA	WNW	0.60 / 3,182.01	-34	71
			RTN: 3-0024075 ***Current Status:*** RAO				
14	RELEASE	GASOLINE STATION	490 MAIN STREET STONEHAM MA	WNW	0.60 / 3,184.86	-21	74
			RTN: 3-0033318 ***Current Status:*** PSNC				
14	RELEASE	490 MAIN STREET	490 MAIN STREET STONEHAM MA	WNW	0.60 / 3,184.86	-21	76

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			RTN: 3-0032925 ***Current Status:*** PSNC				
15	RELEASE	NO LOCATION AID	30 PINE ST STONEHAM MA	NW	0.61 / 3,206.35	-32	78
			RTN: 3-0028916 ***Current Status:*** RAONR				
15	RELEASE	NO LOCATION AID	30 PINE ST STONEHAM MA	NW	0.61 / 3,206.35	-32	80
			RTN: 3-0027879 ***Current Status:*** RAO				
16	RELEASE	ROUTE 28	164 POND ST STONEHAM MA	SSW	0.61 / 3,211.96	-23	86
			RTN: 3-0014778 ***Current Status:*** RAO				
16	RELEASE	MDC DRY WELL	164 POND ST STONEHAM MA	SSW	0.61 / 3,211.96	-23	88
			RTN: 3-0016828 ***Current Status:*** RAO				
16	RELEASE	MDC CENTRAL SERVICES COMPLEX	164 POND RD STONEHAM MA	SSW	0.61 / 3,211.96	-23	90
			RTN: 3-0012468 ***Current Status:*** RAO				
16	RELEASE	MDC MW 201	164 POND ST STONEHAM MA	SSW	0.61 / 3,211.96	-23	93
			RTN: 3-0017054 ***Current Status:*** RAONR				
16	RELEASE	DCR SERVICE GARAGE	164 POND STREET STONEHAM MA	SSW	0.61 / 3,211.96	-23	95
			RTN: 3-0031312 ***Current Status:*** PSNC				
16	RELEASE	MDC STATE MAINTENANCE FACILITY	164 POND ST STONEHAM MA	SSW	0.61 / 3,211.96	-23	98
			RTN: 3-0003927 ***Current Status:*** RAO				
16	RELEASE	DCR FACILITY	164 POND STREET STONEHAM MA	SSW	0.61 / 3,211.96	-23	99
			RTN: 3-0035523 ***Current Status:*** PSNC				
17	RELEASE	FRANK NEWTON ESTATE	474 MAIN ST STONEHAM MA	WNW	0.62 / 3,279.21	-25	101
			RTN: 3-0029863 ***Current Status:*** RAONR				
17	RELEASE	DAIRY DOME	474 MAIN STREET STONEHAM MA	WNW	0.62 / 3,279.21	-25	103
			RTN: 3-0029919 ***Current Status:*** RAO				
17	RELEASE	PRIVATE PROPERTY	474 MAIN ST STONEHAM MA	WNW	0.62 / 3,279.21	-25	104
			RTN: 3-0029127 ***Current Status:*** RAO				
18	RELEASE	PROPERTY	28-34 PINE ST STONEHAM MA	NW	0.62 / 3,283.08	-34	107
			RTN: 3-0002638 ***Current Status:*** RAO				

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19	RELEASE	NO LOCATION AID	NEAR 588 MAIN ST RTE 28 STONEHAM MA ***RTN:*** 3-0016732 ***Current Status:*** RAO	WSW	0.63 / 3,332.89	-17	108
19	RELEASE	NSTAR UTILITY POLE NO 58 118A	588 MAIN ST STONEHAM MA ***RTN:*** 3-0024261 ***Current Status:*** RAO	WSW	0.63 / 3,332.89	-17	109
20	RELEASE	SPENCER ST	41 FRANKLIN ST STONEHAM MA ***RTN:*** 3-0021637 ***Current Status:*** RAO	WNW	0.64 / 3,364.60	-34	111
21	RELEASE	NO LOCATION AID	10-24 SPENCER ST STONEHAM MA ***RTN:*** 3-0014959 ***Current Status:*** DPS	WNW	0.64 / 3,375.65	-34	113
22	RELEASE	NO LOCATION AID	13 GOULD ST STONEHAM MA ***RTN:*** 3-0015929 ***Current Status:*** RAO	NW	0.64 / 3,387.41	-34	114
23	RELEASE	GOODYEAR	456 MAIN ST STONEHAM MA ***RTN:*** 3-0029480 ***Current Status:*** RAO	WNW	0.65 / 3,410.96	-31	117
23	RELEASE	GOODYEAR	456 MAIN ST STONEHAM MA ***RTN:*** 3-0030026 ***Current Status:*** RAO	WNW	0.65 / 3,410.96	-31	118
24	RELEASE	GOULD ST	41 PLEASANT ST STONEHAM MA ***RTN:*** 3-0016907 ***Current Status:*** RAO	NNW	0.67 / 3,518.53	-32	119
25	RELEASE	FORMER UST SITE	426 MAIN ST STONEHAM MA ***RTN:*** 3-0024579 ***Current Status:*** RAONR	WNW	0.68 / 3,613.82	-33	121
26	RELEASE	NO LOCATION AID	430 MAIN ST STONEHAM MA ***RTN:*** 3-0013994 ***Current Status:*** RAO	WNW	0.69 / 3,650.78	-33	124
27	RELEASE	42 PLEASANT ST.	42 PLEASANT ST. STONEHAM MA ***RTN:*** 3-0034060 ***Current Status:*** PSNC	NNW	0.72 / 3,784.40	-34	129
28	RELEASE	NO LOCATION AID	10 TO 12 MAPLE ST STONEHAM MA ***RTN:*** 3-0017308 ***Current Status:*** RAO	WNW	0.72 / 3,810.22	-36	131
29	RELEASE	NO LOCATION AID	611 MAIN STREET STONEHAM MA ***RTN:*** 3-0031203 ***Current Status:*** RAO	WSW	0.72 / 3,811.91	-23	132
30	RELEASE	MOBIL SERVICE STA # 12575	2 SOUTH ST STONEHAM MA ***RTN:*** 3-0026532 ***Current Status:*** RAO	WSW	0.74 / 3,899.56	-23	134
31	RELEASE	TOWN HALL	35 CENTRAL ST STONEHAM MA ***RTN:*** 3-0017153 ***Current Status:*** RAO	NW	0.75 / 3,962.66	-29	135
32	RELEASE	PROPERTY	5 SOUTH HILLSIDE ST STONEHAM MA ***RTN:*** 3-0006008 ***Current Status:*** RAO	W	0.77 / 4,047.22	-1	136
33	RELEASE	NO LOCATION AID	58 NEWCOMB RD STONEHAM MA ***RTN:*** 3-0017144 ***Current Status:*** RAO	SE	0.77 / 4,068.98	-27	138
34	RELEASE	NO LOCATION AID	9 WARREN STREET MELROSE MA ***RTN:*** 3-0034084 ***Current Status:*** PSNC	ESE	0.80 / 4,215.39	-89	141
35	RELEASE	PROPERTY	5 PLEASANT ST STONEHAM MA ***RTN:*** 3-0003931 ***Current Status:*** RAO	NW	0.83 / 4,387.86	-35	143
36	RELEASE	PLEASANT STREET	308 MAIN ST STONEHAM MA ***RTN:*** 3-0013365 ***Current Status:*** RAO	NW	0.85 / 4,466.00	-35	143
36	RELEASE	SHELL SERVICE STATION	308 MAIN ST STONEHAM MA ***RTN:*** 3-0003128 ***Current Status:*** RAO	NW	0.85 / 4,466.00	-35	146
37	RELEASE	RESIDENCE	1 WHITTEMORE LANE STONEHAM MA ***RTN:*** 3-0035585 ***Current Status:*** TIERII	NE	0.85 / 4,498.01	2	148
38	RELEASE	HONG KONG CITY RESTAURANT	303 MAIN ST STONEHAM MA ***RTN:*** 3-0010063 ***Current Status:*** RAO	NW	0.86 / 4,522.50	-36	151
39	RELEASE	NO LOCATION AID	8 PARKER CHASE RD STONEHAM MA ***RTN:*** 3-0017553 ***Current Status:*** RAONR	N	0.93 / 4,898.40	-7	153
40	RELEASE	STONEHAM HOUSING AUTHORITY	15 PARKER CHASE RD STONEHAM MA ***RTN:*** 3-0013660 ***Current Status:*** RAO	N	0.93 / 4,911.71	-7	156
41	RELEASE	NO LOCATION AID	7 PARKER CHASE RD STONEHAM MA ***RTN:*** 3-0017551 ***Current Status:*** RAO	N	0.93 / 4,918.04	-7	158
42	RELEASE	NO LOCATION AID	NEAR 69 WRIGHT ST STONEHAM MA ***RTN:*** 3-0026571 ***Current Status:*** RAO	NW	0.94 / 4,950.62	-71	162

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43	RELEASE	RESIDENCE	94 WILLIAMS ST STONEHAM MA ***RTN:*** 3-0028783 ***Current Status:*** RAO	NW	0.94 / 4,973.59	-41	163
44	RELEASE	GREENWOOD	52 SPRING ST WAKEFIELD MA ***RTN:*** 3-0019139 ***Current Status:*** RAO	E	0.97 / 5,145.08	-80	165
45	RELEASE	MWRA SPOT POND PUMP STATION	2 WOODLAND RD STONEHAM MA ***RTN:*** 3-0004090 ***Current Status:*** RAO	S	0.99 / 5,218.45	-23	167

Executive Summary: Summary by Data Source

Standard

State

RELEASE - Waste Site Cleanup Notifications/Reportable Releases

A search of the RELEASE database, dated Jun 8, 2020 has found that there are 57 RELEASE site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
RESIDENCE	1 WHITTEMORE LANE STONEHAM MA ***RTN**: 3-0035585* ***Current Status**: TIERII*	NE	0.85 / 4,498.01	37

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
RESIDENCE	15 RUSTIC RD STONEHAM MA ***RTN**: 3-0014975* ***Current Status**: RAO*	ESE	0.23 / 1,216.10	2
NO LOCATION AID	NEAR 18 RUSTIC RD STONEHAM MA ***RTN**: 3-0022064* ***Current Status**: RAO*	ESE	0.24 / 1,273.46	3
138 FRANKLIN STREET	138 FRANKLIN ST STONEHAM MA ***RTN**: 3-0031294* ***Current Status**: RAO*	N	0.27 / 1,410.24	4
STEVENS STREET INTERSECTION	128 FRANKLIN ST STONEHAM MA ***RTN**: 3-0018354* ***Current Status**: RAO*	NNW	0.30 / 1,576.60	5
NO LOCATION AID	5 MACONE CIR STONEHAM MA ***RTN**: 3-0023122* ***Current Status**: RAO*	ESE	0.31 / 1,640.89	6
NO LOCATION AID	19 DAPPER DARBY DR STONEHAM MA ***RTN**: 3-0025999* ***Current Status**: RAO*	SW	0.34 / 1,769.69	7
PROPERTY	72 SUMMER ST STONEHAM MA ***RTN**: 3-0004298* ***Current Status**: RAO*	WNW	0.35 / 1,859.66	8

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Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CURTIS AMBULANCE	32 SUMMER ST STONEHAM MA ***RTN**: 3-0000018* ***Current Status**: RAO*	W	0.42 / 2,243.04	9
SULLIVAN LANE/SULLIVAN CIRCLE	5 SULLIVAN CIR STONEHAM MA ***RTN**: 3-0017352* ***Current Status**: RAO*	NNE	0.48 / 2,560.34	10
COMMERCIAL PROPERTY	15 DALE COURT STONEHAM MA ***RTN**: 3-0030504* ***Current Status**: RAO*	NW	0.52 / 2,738.28	11
PROPERTY	492 MAIN ST STONEHAM MA ***RTN**: 3-0002633* ***Current Status**: PENNFA*	W	0.60 / 3,170.30	12
NORTHEAST MANUFACTURING	35 SPENCER ST STONEHAM MA ***RTN**: 3-0024075* ***Current Status**: RAO*	WNW	0.60 / 3,182.01	13
GASOLINE STATION	490 MAIN STREET STONEHAM MA ***RTN**: 3-0033318* ***Current Status**: PSNC*	WNW	0.60 / 3,184.86	14
490 MAIN STREET	490 MAIN STREET STONEHAM MA ***RTN**: 3-0032925* ***Current Status**: PSNC*	WNW	0.60 / 3,184.86	14
NO LOCATION AID	30 PINE ST STONEHAM MA ***RTN**: 3-0028916* ***Current Status**: RAONR*	NW	0.61 / 3,206.35	15
NO LOCATION AID	30 PINE ST STONEHAM MA ***RTN**: 3-0027879* ***Current Status**: RAO*	NW	0.61 / 3,206.35	15
ROUTE 28	164 POND ST STONEHAM MA ***RTN**: 3-0014778* ***Current Status**: RAO*	SSW	0.61 / 3,211.96	16
MDC DRY WELL	164 POND ST STONEHAM MA ***RTN**: 3-0016828* ***Current Status**: RAO*	SSW	0.61 / 3,211.96	16

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MDC CENTRAL SERVICES COMPLEX	164 POND RD STONEHAM MA ***RTN**: 3-0012468* ***Current Status**: RAO*	SSW	0.61 / 3,211.96	16
MDC MW 201	164 POND ST STONEHAM MA ***RTN**: 3-0017054* ***Current Status**: RAONR*	SSW	0.61 / 3,211.96	16
DCR SERVICE GARAGE	164 POND STREET STONEHAM MA ***RTN**: 3-0031312* ***Current Status**: PSNC*	SSW	0.61 / 3,211.96	16
MDC STATE MAINTENANCE FACILITY	164 POND ST STONEHAM MA ***RTN**: 3-0003927* ***Current Status**: RAO*	SSW	0.61 / 3,211.96	16
DCR FACILITY	164 POND STREET STONEHAM MA ***RTN**: 3-0035523* ***Current Status**: PSNC*	SSW	0.61 / 3,211.96	16
FRANK NEWTON ESTATE	474 MAIN ST STONEHAM MA ***RTN**: 3-0029863* ***Current Status**: RAONR*	WNW	0.62 / 3,279.21	17
DAIRY DOME	474 MAIN STREET STONEHAM MA ***RTN**: 3-0029919* ***Current Status**: RAO*	WNW	0.62 / 3,279.21	17
PRIVATE PROPERTY	474 MAIN ST STONEHAM MA ***RTN**: 3-0029127* ***Current Status**: RAO*	WNW	0.62 / 3,279.21	17
PROPERTY	28-34 PINE ST STONEHAM MA ***RTN**: 3-0002638* ***Current Status**: RAO*	NW	0.62 / 3,283.08	18
NO LOCATION AID	NEAR 588 MAIN ST RTE 28 STONEHAM MA ***RTN**: 3-0016732* ***Current Status**: RAO*	WSW	0.63 / 3,332.89	19
NSTAR UTILITY POLE NO 58 118A	588 MAIN ST STONEHAM MA ***RTN**: 3-0024261* ***Current Status**: RAO*	WSW	0.63 / 3,332.89	19

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SPENCER ST	41 FRANKLIN ST STONEHAM MA ***RTN**: 3-0021637* ***Current Status**: RAO*	WNW	0.64 / 3,364.60	20
NO LOCATION AID	10-24 SPENCER ST STONEHAM MA ***RTN**: 3-0014959* ***Current Status**: DPS*	WNW	0.64 / 3,375.65	21
NO LOCATION AID	13 GOULD ST STONEHAM MA ***RTN**: 3-0015929* ***Current Status**: RAO*	NW	0.64 / 3,387.41	22
GOODYEAR	456 MAIN ST STONEHAM MA ***RTN**: 3-0029480* ***Current Status**: RAO*	WNW	0.65 / 3,410.96	23
GOODYEAR	456 MAIN ST STONEHAM MA ***RTN**: 3-0030026* ***Current Status**: RAO*	WNW	0.65 / 3,410.96	23
GOULD ST	41 PLEASANT ST STONEHAM MA ***RTN**: 3-0016907* ***Current Status**: RAO*	NNW	0.67 / 3,518.53	24
FORMER UST SITE	426 MAIN ST STONEHAM MA ***RTN**: 3-0024579* ***Current Status**: RAONR*	WNW	0.68 / 3,613.82	25
NO LOCATION AID	430 MAIN ST STONEHAM MA ***RTN**: 3-0013994* ***Current Status**: RAO*	WNW	0.69 / 3,650.78	26
42 PLEASANT ST.	42 PLEASANT ST. STONEHAM MA ***RTN**: 3-0034060* ***Current Status**: PSNC*	NNW	0.72 / 3,784.40	27
NO LOCATION AID	10 TO 12 MAPLE ST STONEHAM MA ***RTN**: 3-0017308* ***Current Status**: RAO*	WNW	0.72 / 3,810.22	28
NO LOCATION AID	611 MAIN STREET STONEHAM MA ***RTN**: 3-0031203* ***Current Status**: RAO*	WSW	0.72 / 3,811.91	29

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MOBIL SERVICE STA # 12575	2 SOUTH ST STONEHAM MA ***RTN**: 3-0026532* ***Current Status**: RAO*	WSW	0.74 / 3,899.56	30
TOWN HALL	35 CENTRAL ST STONEHAM MA ***RTN**: 3-0017153* ***Current Status**: RAO*	NW	0.75 / 3,962.66	31
PROPERTY	5 SOUTH HILLSIDE ST STONEHAM MA ***RTN**: 3-0006008* ***Current Status**: RAO*	W	0.77 / 4,047.22	32
NO LOCATION AID	58 NEWCOMB RD STONEHAM MA ***RTN**: 3-0017144* ***Current Status**: RAO*	SE	0.77 / 4,068.98	33
NO LOCATION AID	9 WARREN STREET MELROSE MA ***RTN**: 3-0034084* ***Current Status**: PSNC*	ESE	0.80 / 4,215.39	34
PROPERTY	5 PLEASANT ST STONEHAM MA ***RTN**: 3-0003931* ***Current Status**: RAO*	NW	0.83 / 4,387.86	35
PLEASANT STREET	308 MAIN ST STONEHAM MA ***RTN**: 3-0013365* ***Current Status**: RAO*	NW	0.85 / 4,466.00	36
SHELL SERVICE STATION	308 MAIN ST STONEHAM MA ***RTN**: 3-0003128* ***Current Status**: RAO*	NW	0.85 / 4,466.00	36
HONG KONG CITY RESTAURANT	303 MAIN ST STONEHAM MA ***RTN**: 3-0010063* ***Current Status**: RAO*	NW	0.86 / 4,522.50	38
NO LOCATION AID	8 PARKER CHASE RD STONEHAM MA ***RTN**: 3-0017553* ***Current Status**: RAONR*	N	0.93 / 4,898.40	39
STONEHAM HOUSING AUTHORITY	15 PARKER CHASE RD STONEHAM MA ***RTN**: 3-0013660* ***Current Status**: RAO*	N	0.93 / 4,911.71	40

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Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
NO LOCATION AID	7 PARKER CHASE RD STONEHAM MA ***RTN**: 3-0017551* ***Current Status**: RAO*	N	0.93 / 4,918.04	41
NO LOCATION AID	NEAR 69 WRIGHT ST STONEHAM MA ***RTN**: 3-0026571* ***Current Status**: RAO*	NW	0.94 / 4,950.62	42
RESIDENCE	94 WILLIAMS ST STONEHAM MA ***RTN**: 3-0028783* ***Current Status**: RAO*	NW	0.94 / 4,973.59	43
GREENWOOD	52 SPRING ST WAKEFIELD MA ***RTN**: 3-0019139* ***Current Status**: RAO*	E	0.97 / 5,145.08	44
MWRA SPOT POND PUMP STATION	2 WOODLAND RD STONEHAM MA ***RTN**: 3-0004090* ***Current Status**: RAO*	S	0.99 / 5,218.45	45

LST - Tank Related Leaks and Spills

A search of the LST database, dated Sep 8, 2017 has found that there are 4 LST site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
138 FRANKLIN STREET	138 FRANKLIN ST STONEHAM MA 02180-0000 ***Site No**	**Current Date**	**Status Desc**: 3-0031294	4/12/2013	Response Action Outcome*	N	0.27 / 1,410.24	4
NO LOCATION AID	19 DAPPER DARBY DR STONEHAM MA 02180-0000 ***Site No**	**Current Date**	**Status Desc**: 3-0025999	11/13/2006	Response Action Outcome*	SW	0.34 / 1,769.69	7
PROPERTY	72 SUMMER ST STONEHAM MA 2180 ***Site No**	**Current Date**	**Status Desc**: 3-0004298	8/5/1997	Response Action Outcome*	WNW	0.35 / 1,859.66	8
CURTIS AMBULANCE	32 SUMMER ST STONEHAM MA 2180 ***Site No**	**Current Date**	**Status Desc**: 3-0000018	10/23/1997	Response Action Outcome*	W	0.42 / 2,243.04	9

LUST - Leaking Underground Storage Tanks (LUST)

A search of the LUST database, dated Jun 8, 2020 has found that there are 4 LUST site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
138 FRANKLIN STREET	138 FRANKLIN ST STONEHAM MA ***RTN**: 3-0031294*	N	0.27 / 1,410.24	4
NO LOCATION AID	19 DAPPER DARBY DR STONEHAM MA ***RTN**: 3-0025999*	SW	0.34 / 1,769.69	7
PROPERTY	72 SUMMER ST STONEHAM MA ***RTN**: 3-0004298*	WNW	0.35 / 1,859.66	8
CURTIS AMBULANCE	32 SUMMER ST STONEHAM MA ***RTN**: 3-0000018*	W	0.42 / 2,243.04	9

LAST - Leaking Aboveground Storage Tanks (LAST)

A search of the LAST database, dated Jun 8, 2020 has found that there are 1 LAST site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
RESIDENCE	15 RUSTIC RD STONEHAM MA ***RTN**: 3-0014975*	ESE	0.23 / 1,216.10	2

HIST LUST - Historic Leaking Underground Storage Tanks that occurred prior to October 1st 1993

A search of the HIST LUST database, dated Prior to Oct 1, 1993 has found that there are 1 HIST LUST site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PROPERTY	72 SUMMER ST STONEHAM MA ***Spill ID**	**Case Closed**: N92-0772	YES*	WNW	0.35 / 1,859.66	8

AUL - Sites with Activity and Use Limitations

A search of the AUL database, dated Jun 8, 2020 has found that there are 2 AUL site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
RESIDENCE	15 RUSTIC RD STONEHAM MA	ESE	0.23 / 1,216.10	2
STEVENS STREET INTERSECTION	128 FRANKLIN ST STONEHAM MA	NNW	0.30 / 1,576.60	5

Non Standard

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Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Mar 25, 2020 has found that there are 1 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
STONEHAM HIGH SCHOOL	149 FRANKLIN STREET STONEHAM MA 02180-1599	-	0.00 / 0.00	1

State

HIS SPILLS - Historic Spills that occurred prior to October 1st 1993

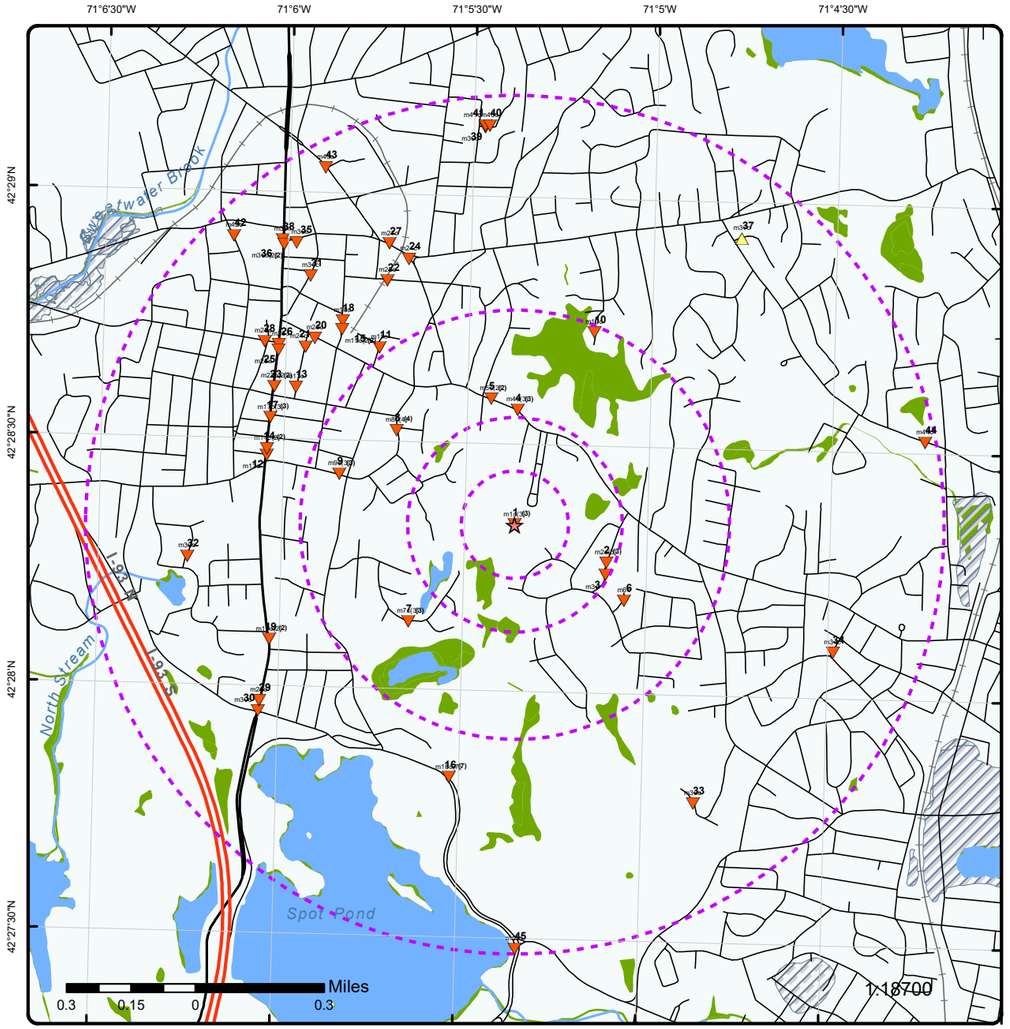
A search of the HIS SPILLS database, dated Prior to Oct 1, 1993 has found that there are 1 HIS SPILLS site(s) within approximately 0.12 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	STONEHAM HIGH SCHOOL, FRANKLIN STONEHAM MA ***Spill ID** | **Case Closed**: N85-0305 | YES*	-	0.00 / 0.00	1

GEN - Hazardous Waste and Waste Oil Generators

A search of the GEN database, dated Jul 17, 2020 has found that there are 1 GEN site(s) within approximately 0.12 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
STONEHAM HIGH SCHOOL	149 FRANKLIN ST STONEHAM MA 02180	-	0.00 / 0.00	1



Map : 1.0 Mile Radius

Order Number: 20200728242

Address: 149 Franklin St, Stoneham, MA

ENVIRONMENTAL RISK INFORMATION SERVICES

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

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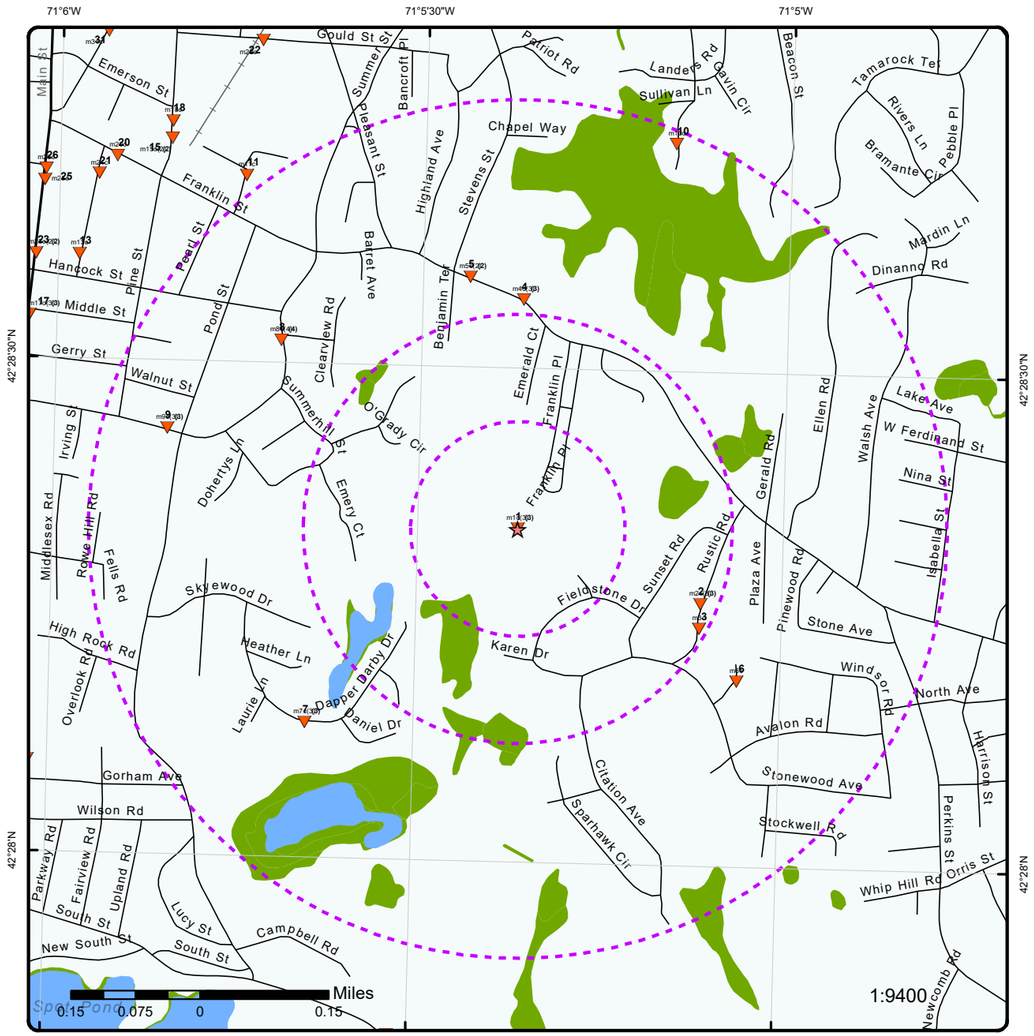

Map : 0.5 Mile Radius

Order Number: 20200728242

Address: 149 Franklin St, Stoneham, MA

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

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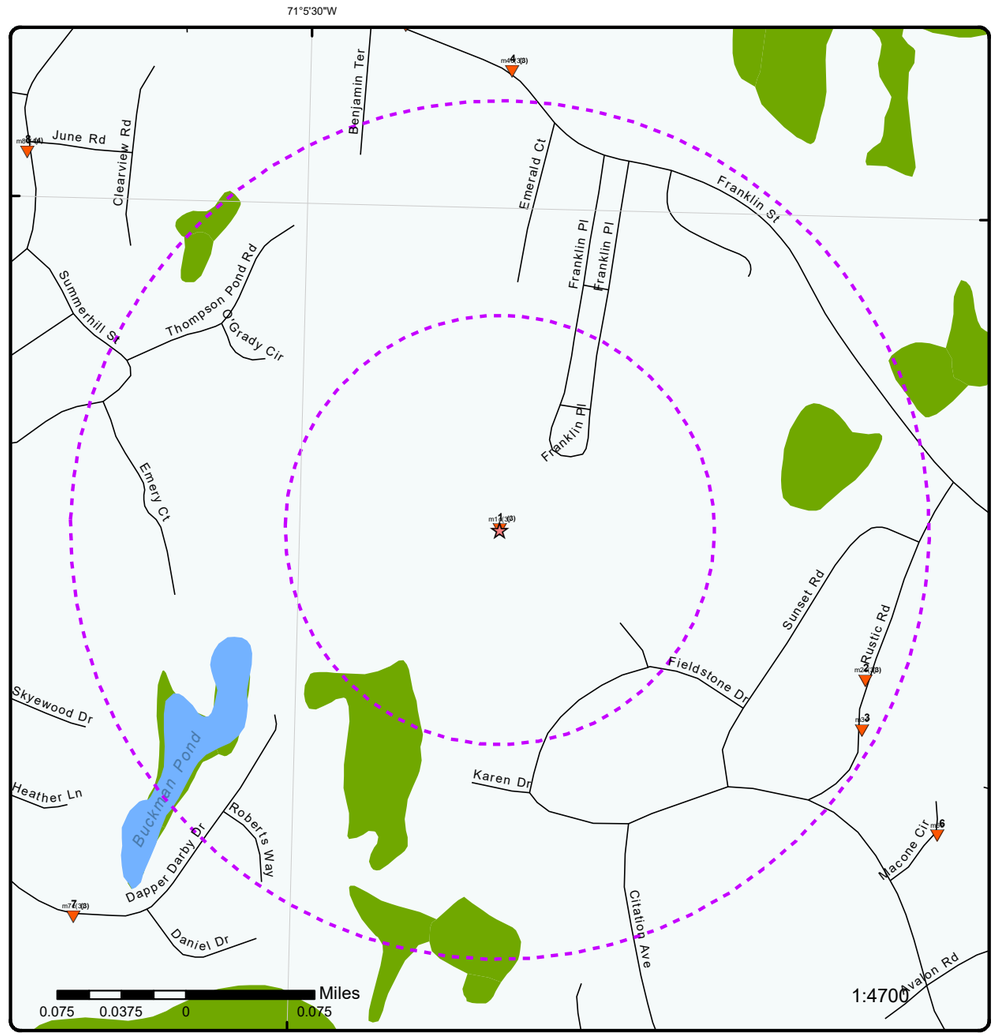

Map : 0.25 Mile Radius

Order Number: 20200728242

Address: 149 Franklin St, Stoneham, MA

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

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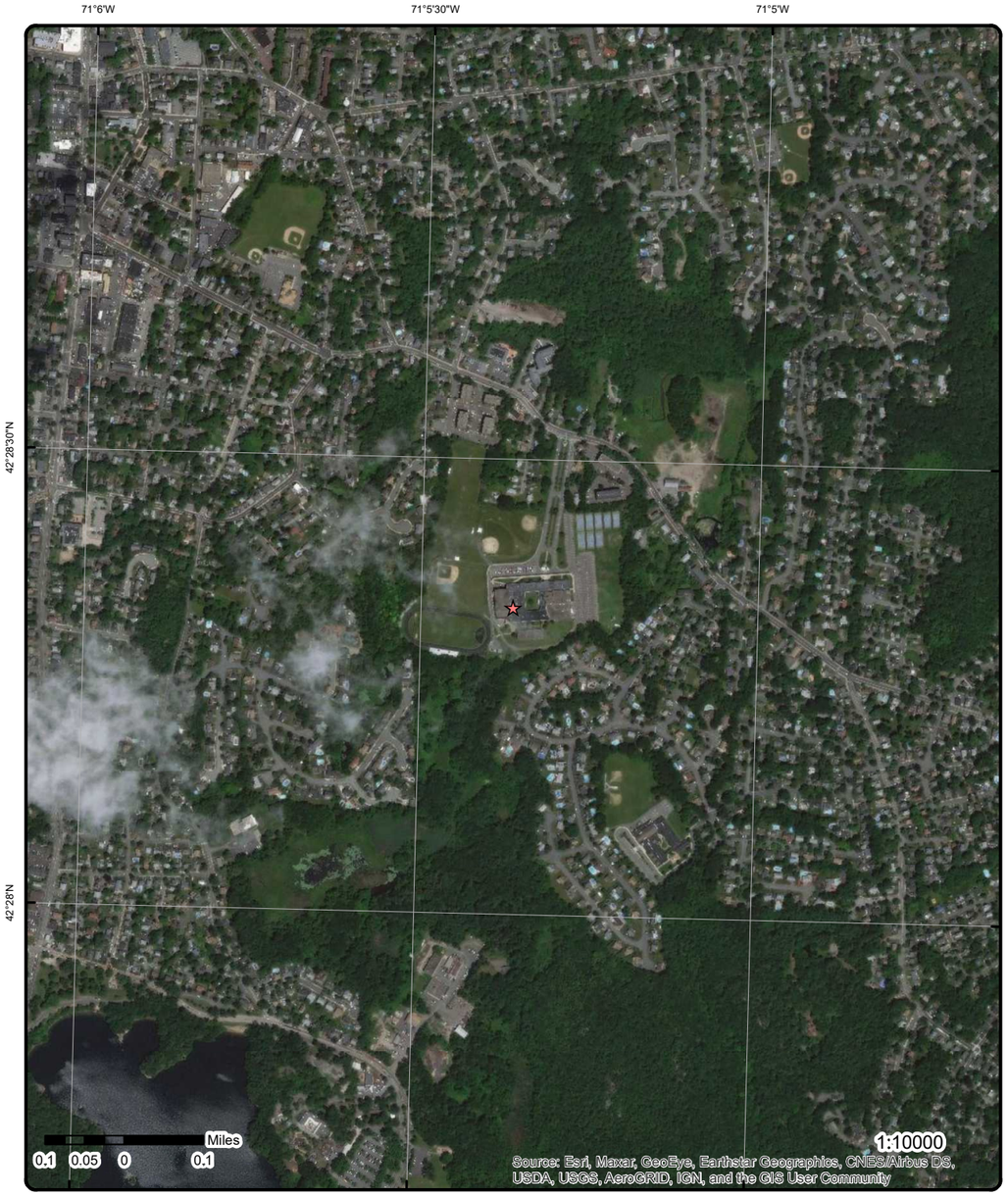

Aerial Year: 2019

Address: 149 Franklin St, Stoneham, MA

Source: ESRI World Imagery

Order Number: 20200728242

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

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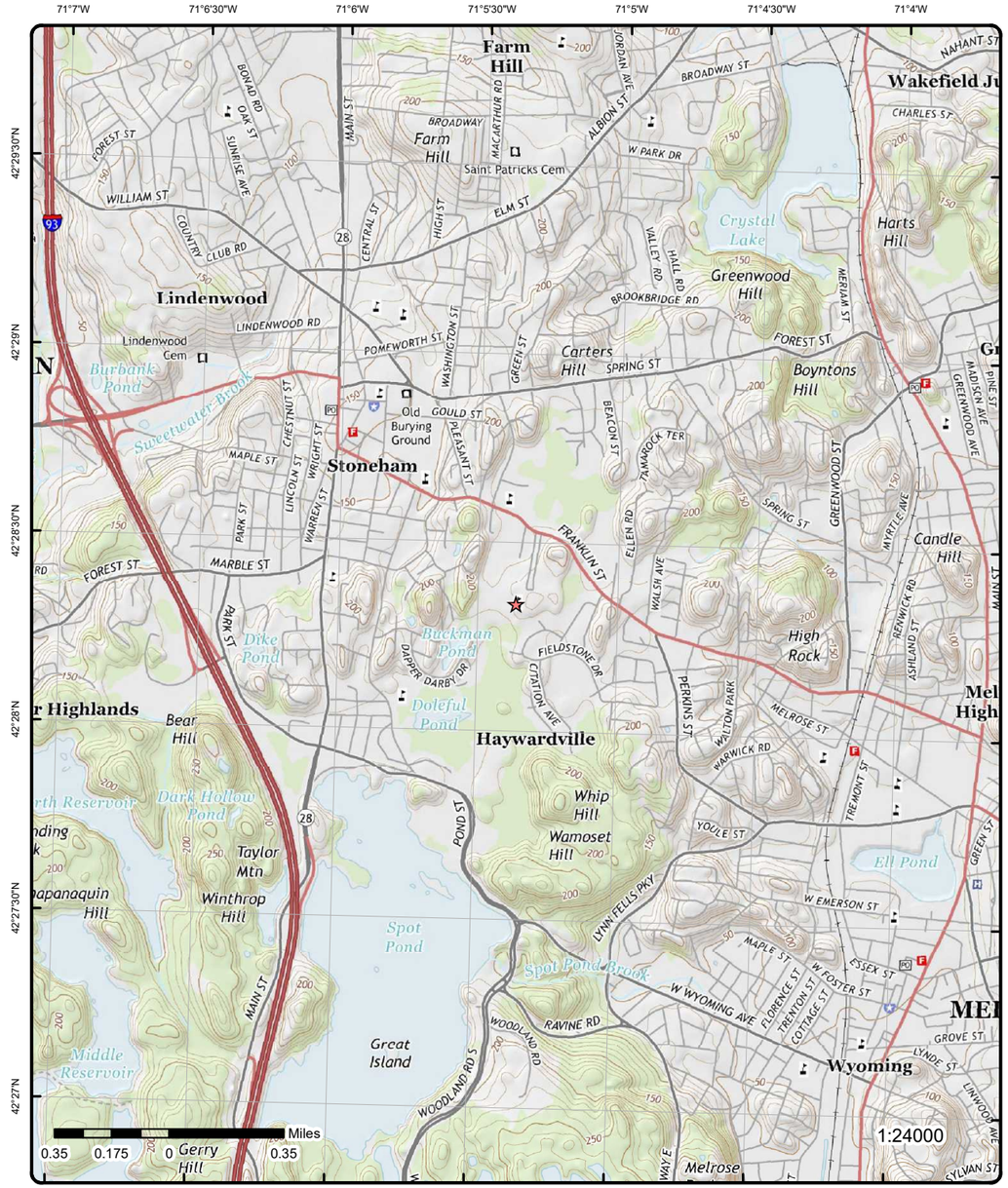

Topographic Map Year: 2015

Address: 149 Franklin St, MA

Quadrangle(s): Lexington,MA; Reading,MA; Boston North,MA

Source: USGS Topographic Map

Order Number: 20200728242

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

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Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 3	-	0.00 / 0.00	180.67 / -1	STONEHAM HIGH SCHOOL, FRANKLIN STONEHAM MA	HIS SPILLS

Spill ID: N85-0305
Site ID: 0000
Case Closed: YES
LUST:
Incident:
Other Incident:
Source:
Other Source:
Petro/Hazardous:
Virgin/Waste:
Material: PESTICIDE(?), HERBICIDE
Other Material:
Enviro Impact:
Other Env. Impact:
Contaminated Soil:
PCB Ranges:
Reported Qty Spilled:
CAS NO for Haz Waste:
SPL Info. 1st Entered:
SPL Info. Last Entered:

Repo Units Spilled:
Act. Qty Spilled:
Act. Units Spilled:
Spill Date:
Spill Time:
Rport Date:
Rport Time:
Notifier:
Notifier Phone:
First IR Form:
Staff Lead: NDI
Category:
Days For Case: 1
Report pre by:
Contractor:
Referral Divisions:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of 3	-	0.00 / 0.00	180.67 / -1	STONEHAM HIGH SCHOOL 149 FRANKLIN STREET STONEHAM MA 02180-1599	FINDS/FRS

Registry ID: 110021909719
FIPS Code: 25017
HUC Code: 01090001
Site Type Name: STATIONARY
Location Description: SUBURB, LARGE: LOCATED OUTSIDE A PRINCIPAL CITY AND INSIDE AN URBANIZED AREA WITH A POPULATION OF 250,000 OR MORE.
Supplemental Location:
Create Date: 20-MAY-05
Update Date: 02-JUN-15
Interest Types: AIR MINOR, STATE MASTER
SIC Codes: 8211, OWNE
SIC Code Descriptions: ELEMENTARY AND SECONDARY SCHOOLS
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 07
Census Block Code: 250173371022004
EPA Region Code: 01
County Name: MIDDLESEX
US/Mexico Border Ind:
Latitude: 42.4755
Longitude: -71.08823
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110021909719
Program Acronyms:

AIRS/AFS:2511908056, MA-EPICS:53473

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	3 of 3	-	0.00 / 0.00	180.67 / -1	STONEHAM HIGH SCHOOL 149 FRANKLIN ST STONEHAM MA 02180	GEN

EPA ID No: MV7812793810
2nd Name:
Phone: 781-279-3810

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 3	ESE	0.23 / 1,216.10	175.28 / -6	RESIDENCE 15 RUSTIC RD STONEHAM MA	AUL

RTN: 3-0014975
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Compliance Date: 4/10/1998
Notification Date: 4/5/1997
RAO Class: A3
Chemical Type: Oil
Reporting Category: TWO HR
Site Name (EEA Data Portal): RESIDENCE
Release Add (EEA Data Portal): 15 RUSTIC RD
City/Town (EEA Data Portal): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0014975
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0014975
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
Location Type(s): RESIDNTIAL
Site Name (BWSC): RESIDENCE
Address (BWSC): 15 RUSTIC RD
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM
Source(s): AST

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current Status Desc: Response Action Outcome
Current Date: 10-Apr-1998
OFC Notification: 05-Apr-1997
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Other Rela:

Category: TWO HR
Phase:
RAO Class: A3
OHM: Oil

Chemical Information

Chemical: FUEL OIL #2
Amount:
Units:

Chemical: HEATING OIL
Amount:
Units:

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Information

Date: 28-Mar-2002 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: TSAUD
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 03-Jun-1997 ***First Name:***
Action: RNF ***Last Name:***
Action Description: Release Notification Form Received
Status: REPORT
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 05-Apr-1997 ***First Name:***
Action: NOR ***Last Name:***
Action Description: Notice of Responsibility
Status: FLDISS
Status Description: Field NOR Issued
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 19-Feb-2002 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: TSAUD
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 05-Apr-1997 ***First Name:***
Action: RLFA ***Last Name:***
Action Description: Site Visit or Office Follow-up
Status: FOLFLD
Status Description: Follow-up or Other Field Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 06-Apr-1997 ***First Name:***
Action: RLFA ***Last Name:***
Action Description: Site Visit or Office Follow-up
Status: FOLFLD
Status Description: Follow-up or Other Field Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 05-Apr-1997 ***First Name:***
Action: REL ***Last Name:***
Action Description: Release Disposition
Status: REPORT
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 15-Apr-1998 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: FEEREC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Description: Fee Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 10-Apr-1998 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: RAORCD
Status Description: RAO Statement Received (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 03-Jun-1997 ***First Name:***
Action: IRA ***Last Name:***
Action Description: Immediate Response Action
Status: PLANWR
Status Description: Written Plan Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 10-Apr-1998 ***First Name:***
Action: AUL ***Last Name:***
Action Description: Activity and Use Limitation
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 05-Apr-1997 ***First Name:***
Action: IRA ***Last Name:***
Action Description: Immediate Response Action
Status: APORAL
Status Description: Oral Approval of Plan or Action
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

---

2 ***2 of 3*** ***ESE*** ***0.23 / 1,216.10*** ***175.28 / -6*** ***RESIDENCE 15 RUSTIC RD STONEHAM MA*** ***LAST***

RTN: 3-0014975
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Compliance Date: 4/10/1998
Notification Date: 4/5/1997
RAO Class: A3
Chemical Type: Oil
Reporting Category: TWO HR
Site Name (EEA Data Portal): RESIDENCE
Release Add (EEA Data Portal): 15 RUSTIC RD
City/Town (EEA Data Portal): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0014975
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0014975
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
Location Type(s): RESIDNTIAL
Site Name (BWSC): RESIDENCE
Address (BWSC): 15 RUSTIC RD
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM
Source(s): AST

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Current Status: RAO
Current Status Desc: Response Action Outcome
Current Date: 10-Apr-1998
OFC Notification: 05-Apr-1997
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Other Rela:
Phase:
RAO Class: A3
OHM: Oil

Chemical Information

Chemical: HEATING OIL
Amount:
Units:

Chemical: FUEL OIL #2
Amount:
Units:

Action Information

Date: 05-Apr-1997
Action: IRA
Action Description: Immediate Response Action
Status: APORAL
Status Description: Oral Approval of Plan or Action
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
First Name:
Last Name:

Date: 05-Apr-1997
Action: REL
Action Description: Release Disposition
Status: REPORT
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
First Name:
Last Name:

Date: 06-Apr-1997
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status: FOLFLD
Status Description: Follow-up or Other Field Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
First Name:
Last Name:

Date: 05-Apr-1997
Action: NOR
Action Description: Notice of Responsibility
Status: FLDISS
Status Description: Field NOR Issued
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
First Name:
Last Name:

Date: 28-Mar-2002
Action: RAO
Action Description: Response Action Outcome -RAO
Status: TSAUD
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
First Name:
Last Name:

Date: 05-Apr-1997
First Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: RLFA
Action Description: Site Visit or Office Follow-up
Status: FOLFLD
Status Description: Follow-up or Other Field Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Last Name:

Date: 03-Jun-1997
Action: IRA
Action Description: Immediate Response Action
Status: PLANWR
Status Description: Written Plan Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
First Name:
Last Name:

Date: 15-Apr-1998
Action: RAO
Action Description: Response Action Outcome -RAO
Status: FEEREC
Status Description: Fee Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
First Name:
Last Name:

Date: 10-Apr-1998
Action: RAO
Action Description: Response Action Outcome -RAO
Status: RAORCD
Status Description: RAO Statement Received (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
First Name:
Last Name:

Date: 19-Feb-2002
Action: RAO
Action Description: Response Action Outcome -RAO
Status: TSAUD
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
First Name:
Last Name:

Date: 03-Jun-1997
Action: RNF
Action Description: Release Notification Form Received
Status: REPORT
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
First Name:
Last Name:

Date: 10-Apr-1998
Action: AUL
Action Description: Activity and Use Limitation
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
First Name:
Last Name:

2	3 of 3	ESE	0.23 / 1,216.10	175.28 / -6	RESIDENCE 15 RUSTIC RD STONEHAM MA	RELEASE

RTN: 3-0014975
Compliance Date: 4/10/1998
Compliance Status: RAO
Phase:
RAO Class: A3
Chemical Type: Oil

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compl Status Desc: Response Action Outcome
Notification Date: 4/5/1997
Source: AST
Reporting Category: TWO HR
Site (EEA Data): RESIDENCE
Rel Add(EEA Data): 15 RUSTIC RD
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0014975
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0014975
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Location Type: RESIDNTIAL
Site Name (BWSC): RESIDENCE
Address (BWSC): 15 RUSTIC RD
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: HEATING OIL
Amount:
Units:

Chemical: FUEL OIL #2
Amount:
Units:

Action Information (BWSC)

Status: FOLFLD
Date: 06-Apr-1997
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
F Name:
L Name:

Status: TSAUD
Date: 19-Feb-2002
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
F Name:
L Name:

Status: PLANWR
Date: 03-Jun-1997
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
F Name:
L Name:

Status: RAORCD
Date: 10-Apr-1998
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
F Name:
L Name:

Status: RECPT
Date: 10-Apr-1998
Action: AUL
Action Description: Activity and Use Limitation
F Name:
L Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: REPORT
Date: 05-Apr-1997
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
F Name:
L Name:

Status: TSAUD
Date: 28-Mar-2002
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
F Name:
L Name:

Status: FEEREC
Date: 15-Apr-1998
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
F Name:
L Name:

Status: REPORT
Date: 03-Jun-1997
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
F Name:
L Name:

Status: APORAL
Date: 05-Apr-1997
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
F Name:
L Name:

Status: FLDISS
Date: 05-Apr-1997
Action: NOR
Action Description: Notice of Responsibility
Status Description: Field NOR Issued
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
F Name:
L Name:

Status: FOLFLD
Date: 05-Apr-1997
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
F Name:
L Name:

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A3
Current Date: 10-Apr-1998 ***OHM:*** Oil
OFC Notification: 05-Apr-1997
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of 1	ESE	0.24 / 1,273.46	174.94 / -6	NO LOCATION AID NEAR 18 RUSTIC RD STONEHAM MA	RELEASE

RTN: 3-0022064 ***Phase:***
Compliance Date: 9/3/2002 ***RAO Class:*** A1
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** MUNICIPAL
Notification Date: 8/30/2002 ***Site Name (BWSC):*** NO LOCATION AID
Source: PIPE ***Address (BWSC):*** NEAR 18 RUSTIC RD
Reporting Category: TWO HR ***Town (BWSC):*** STONEHAM
Site (EEA Data): NO LOCATION AID ***Zip Code (BWSC):*** 02180-0000
Rel Add(EEA Data): NEAR 18 RUSTIC RD ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0022064
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0022064
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: HYDRAULIC FLUID
Amount: 35
Units: GAL

Chemical: HYDRAULIC OIL
Amount: 20
Units: GAL

Action Information (BWSC)

Status: RAORCD ***F Name:***
Date: 03-Sep-2002 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 03-Sep-2002 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 30-Aug-2002 ***L Name:***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED ***F Name:***
Date: 24-Sep-2002 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: APORAL ***F Name:***
Date: 30-Aug-2002 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A1
Current Date: 03-Sep-2002 ***OHM:*** Oil
OFC Notification: 30-Aug-2002
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	1 of 3	N	0.27 / 1,410.24	167.35 / -14	138 FRANKLIN STREET 138 FRANKLIN ST STONEHAM MA	LUST

RTN: 3-0031294 ***Phase:***
Compliance Status: RAO ***Location Type(s):***
Compl Status Desc: Response Action Outcome ***Site Name (BWSC):*** 138 FRANKLIN STREET
Compliance Date: 4/12/2013 ***Address (BWSC):*** 138 FRANKLIN ST
Notification Date: 12/20/2012 ***Town (BWSC):*** STONEHAM
RAO Class: A2 ***Zip Code (BWSC):*** 02180-0000
Chemical Type: Oil and Hazardous Material ***OFC Town (BWSC):*** STONEHAM
Reporting Category: 120 DY ***Source(s):*** UST
Site Name (EEA Data Portal): 138 FRANKLIN STREET
Release Add (EEA Data Portal): 138 FRANKLIN ST
City/Town (EEA Data Portal): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0031294
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0031294
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID: ***Category:*** 120 DY
Current Status: RAO ***Phase:***
Current Status Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 12-Apr-2013 ***OHM:*** Oil and Hazardous Material
OFC Notification: 20-Dec-2012

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Chemical Information

Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Amount: 550
Units: MG/KG

Chemical: 2-METHYLNAPHTHALENE
Amount: 3
Units: MG/KG

Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Amount: 870
Units: MG/KG

Chemical: NAPHTHALENE
Amount: 23
Units: MG/KG

Action Information

Date: 15-Mar-2013 **First Name:**
Action: BOL **Last Name:**
Action Description: Bill of Lading
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 02-Apr-2013 **First Name:**
Action: BOL **Last Name:**
Action Description: Bill of Lading
Status: SHPFAC
Status Description: Remediation was Shipped to a Facility
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 12-Apr-2013 **First Name:**
Action: RAM **Last Name:**
Action Description: Release Abatement Measure
Status: CSRCVD
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 20-Dec-2012 **First Name:**
Action: RNF **Last Name:**
Action Description: Release Notification Form Received
Status: REPORT
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 21-Feb-2013 **First Name:**
Action: RAM **Last Name:**
Action Description: Release Abatement Measure
Status: FEEREC
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 20-Dec-2012 **First Name:**
Action: REL **Last Name:**
Action Description: Release Disposition

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: REPORT
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 20-Dec-2012 **First Name:**
Action: RNFE **Last Name:**
Action Description: Release Notification
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 21-Feb-2013 **First Name:**
Action: RAM **Last Name:**
Action Description: Release Abatement Measure
Status: PLANWR
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 22-Feb-2013 **First Name:**
Action: RAM **Last Name:**
Action Description: Release Abatement Measure
Status: TSAUD
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 18-Apr-2013 **First Name:**
Action: RAO **Last Name:**
Action Description: Response Action Outcome -RAO
Status: FEEREF
Status Description: Fee Not Required - Fee Refunded
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 16-Jan-2013 **First Name:**
Action: NOR **Last Name:**
Action Description: Notice of Responsibility
Status: ISSUED
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 15-Apr-2013 **First Name:**
Action: RAO **Last Name:**
Action Description: Response Action Outcome -RAO
Status: FEEREC
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 12-Apr-2013 **First Name:**
Action: RAO **Last Name:**
Action Description: Response Action Outcome -RAO
Status: RAORCD
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

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4 **2 of 3** **N** **0.27 / 1,410.24** **167.35 / -14** **138 FRANKLIN STREET 138 FRANKLIN ST STONEHAM MA 02180-0000** **LST**

Site No: 3-0031294
Source: UST
Release Type: RAO
Initial Status Dt: 12/20/2013
Official Notifi Dt: 12/20/2012
Current Date: 4/12/2013

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Chemical Type: Oil and Hazardous Material **ROA Class:** A2
Category: 120 DY **Phase:**
ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Phase Desc:
Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.
Status Desc: Response Action Outcome
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=3-0031294
Location Type:

Chemicals Information

Chemical: NAPHTHALENE
Amount: 23
Units: MG/KG

Chemical: 2-METHYLNAPHTHALENE
Amount: 3
Units: MG/KG

Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Amount: 550
Units: MG/KG

Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Amount: 870
Units: MG/KG

Response Action

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 12/20/2012
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: FEEREF Fee Not Required - Fee Refunded - TFS Use Only
Submittal Date: 04/18/2013
RAO Class: A2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Activity and Use Limitation:

Response Action Type: RAM Release Abatement Measure
Status: CSRCVD Completion Statement Received
Submittal Date: 04/12/2013
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 12/20/2012
RAO Class:
RAO Description:
Activity and Use Limitation:

Licensed Site Professional

LSP No: 9126
LSP Name: KEANE, TIMOTHY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Detail

Class: A2
Method: 1
GW Category: 1
Soil Category: 2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

4	3 of 3	N	0.27 / 1,410.24	167.35 / -14	138 FRANKLIN STREET 138 FRANKLIN ST STONEHAM MA	RELEASE

RTN: 3-0031294 **Phase:**
Compliance Date: 4/12/2013 **RAO Class:** A2
Compliance Status: RAO **Chemical Type:** Oil and Hazardous Material
Compl Status Desc: Response Action Outcome **Location Type:**
Notification Date: 12/20/2012 **Site Name (BWSC):** 138 FRANKLIN STREET
Source: UST **Address (BWSC):** 138 FRANKLIN ST
Reporting Category: 120 DY **Town (BWSC):** STONEHAM
Site (EEA Data): 138 FRANKLIN STREET **Zip Code (BWSC):** 02180-0000
Rel Add(EEA Data): 138 FRANKLIN ST **OFC Town (BWSC):** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0031294
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0031294
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: 2-METHYLNAPHTHALENE
Amount: 3
Units: MG/KG

Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Amount: 550
Units: MG/KG

Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Amount: 870
Units: MG/KG

Chemical: NAPHTHALENE
Amount: 23
Units: MG/KG

Action Information (BWSC)

Status: CSRCVD **F Name:**
Date: 12-Apr-2013 **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **F Name:**
Date: 22-Feb-2013 **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

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Status: SHPFAC — ***F Name:***
Date: 02-Apr-2013 — ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT — ***F Name:***
Date: 20-Dec-2012 — ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED — ***F Name:***
Date: 16-Jan-2013 — ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD — ***F Name:***
Date: 12-Apr-2013 — ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT — ***F Name:***
Date: 20-Dec-2012 — ***L Name:***
Action: RNFE
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT — ***F Name:***
Date: 15-Mar-2013 — ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC — ***F Name:***
Date: 15-Apr-2013 — ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREF — ***F Name:***
Date: 18-Apr-2013 — ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Fee Not Required - Fee Refunded
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT — ***F Name:***
Date: 20-Dec-2012 — ***L Name:***
Action: RNF
Action Description: Release Notification Form Received

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC — ***F Name:***
Date: 21-Feb-2013 — ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR — ***F Name:***
Date: 21-Feb-2013 — ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 12-Apr-2013
OFC Notification: 20-Dec-2012
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: 120 DY
Phase:
RAO Class: A2
OHM: Oil and Hazardous Material

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	1 of 2	NNW	0.30 / 1,576.60	167.64 / -14	STEVENS STREET INTERSECTION 128 FRANKLIN ST STONEHAM MA	AUL

RTN: 3-0018354
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Compliance Date: 11/1/2007
Notification Date: 5/28/1999
RAO Class: A3
Chemical Type: Oil
Reporting Category: 120 DY
Site Name (EEA Data Portal): STEVENS STREET INTERSECTION
Release Add (EEA Data Portal): 128 FRANKLIN ST
City/Town (EEA Data Portal): STONEHAM
Phase Desc: Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives and the Remedial Action Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0018354
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0018354
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase: PHASE III
Location Type(s):
Site Name (BWSC): STEVENS STREET INTERSECTION
Address (BWSC): 128 FRANKLIN ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM
Source(s):

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current Status Desc: Response Action Outcome
Current Date: 01-Nov-2007
OFC Notification: 28-May-1999
Phase Desc: Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives and the Remedial Action Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and
Category: 120 DY
Phase: PHASE III
RAO Class: A3
OHM: Oil

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

use Limitation (AUL) has been implemented.

Other Rela:

Chemical Information

Chemical: TPH
Amount: 17000
Units: PPM

Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Amount: 210
Units: PPM

Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Amount: 110
Units: PPM

Action Information

Date: 30-Mar-2007 ***First Name:***
Action: C&E ***Last Name:***
Action Description:
Status: ACOP
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 25-Oct-2000 ***First Name:***
Action: PHASEI ***Last Name:***
Action Description: Phase 1
Status: CSRCVD
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 28-May-1999 ***First Name:***
Action: RAM ***Last Name:***
Action Description: Release Abatement Measure
Status: PLANWR
Status Description: Written Plan Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 28-Nov-2007 ***First Name:***
Action: AUL ***Last Name:***
Action Description: Activity and Use Limitation
Status: LEGNOT
Status Description: Legal Notice Published
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 30-Aug-2011 ***First Name:***
Action: RLFA ***Last Name:***
Action Description: Site Visit or Office Follow-up
Status: FLDRAN
Status Description: Compliance Field Response - Announced
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 28-May-1999 ***First Name:***
Action: RNF ***Last Name:***
Action Description: Release Notification Form Received

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: REPORT
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 30-Sep-2008 ***First Name:***
Action: AUDCOM ***Last Name:***
Action Description:
Status: AFUCS
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 29-Jan-2007 ***First Name:***
Action: C&E ***Last Name:***
Action Description:
Status: NOEC
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 16-May-2008 ***First Name:***
Action: AUL ***Last Name:***
Action Description: Activity and Use Limitation
Status: TSAUD
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 26-Aug-2008 ***First Name:***
Action: C&E ***Last Name:***
Action Description:
Status: INTLET
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 23-Jan-2006 ***First Name:***
Action: C&E ***Last Name:***
Action Description:
Status: NON
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 16-May-2007 ***First Name:***
Action: PHASII ***Last Name:***
Action Description: Phase 2
Status: SOW
Status Description: Scope of Work Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 01-Jun-1999 ***First Name:***
Action: RAM ***Last Name:***
Action Description: Release Abatement Measure
Status: FEEREC
Status Description: Fee Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 21-Jul-2008 ***First Name:***
Action: RLFA ***Last Name:***
Action Description: Site Visit or Office Follow-up
Status: FOLOFF
Status Description: Follow-up Office Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 02-Apr-2007 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: T2EXT
Status Description: Tier 2 Extension (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 01-Nov-2000 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: LEGNOT
Status Description: Legal Notice Published
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 31-Aug-2000 ***First Name:***
Action: C&E ***Last Name:***
Action Description:
Status: NON
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 25-Oct-2000 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: TIERII
Status Description: Tier 2 Classification
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 09-Jun-2008 ***First Name:***
Action: AUDCOM ***Last Name:***
Action Description:
Status: NAFVIO
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 02-Apr-2007 ***First Name:***
Action: RAM ***Last Name:***
Action Description: Release Abatement Measure
Status: CSRCVD
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 16-May-2008 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: TSAUD
Status Description: Level I - Technical Screen Audit
RAO Class: A3

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 25-Oct-2000 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 02-Sep-2011 ***First Name:***
Action: AUDCOM ***Last Name:***
Action Description:
Status: NAFNVD
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 01-Nov-2007 ***First Name:***
Action: AUL ***Last Name:***
Action Description: Activity and Use Limitation
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 30-Aug-2011 ***First Name:***
Action: AUL ***Last Name:***
Action Description: Activity and Use Limitation
Status: SNAUDI
Status Description: Level II - Audit Inspection
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 09-Jun-2008 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: ACTAUD
Status Description: Level III - Comprehensive Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 01-Nov-2007 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: RAORCD
Status Description: RAO Statement Received (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 28-May-1999 ***First Name:***
Action: REL ***Last Name:***
Action Description: Release Disposition
Status: REPORT
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 16-Jul-2008 ***First Name:***
Action: RLFA ***Last Name:***
Action Description: Site Visit or Office Follow-up

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: FLDRUN
Status Description: Compliance Field Response - Unannounced
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 26-Aug-2008 ***First Name:***
Action: C&E ***Last Name:***
Action Description:
Status: RFI
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 01-Nov-2007 ***First Name:***
Action: PHASII ***Last Name:***
Action Description: Phase 2
Status: CSRCVD
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Date: 30-Sep-2008 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: REVRCD
Status Description: Revised Statement or Transmittal Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

5	2 of 2	NNW	0.30 / 1,576.60	167.64 / -14	STEVENS STREET INTERSECTION 128 FRANKLIN ST STONEHAM MA	RELEASE

RTN: 3-0018354
Compliance Date: 11/1/2007
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 5/28/1999
Source:
Reporting Category: 120 DY
Site (EEA Data): STEVENS STREET INTERSECTION
Rel Add(EEA Data): 128 FRANKLIN ST
Town (EEA Data): STONEHAM
Phase: PHASE III
RAO Class: A3
Chemical Type: Oil
Location Type:
Site Name (BWSC): STEVENS STREET INTERSECTION
Address (BWSC): 128 FRANKLIN ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM
Phase Desc: Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives and the Remedial Action Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0018354
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0018354
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: TPH
Amount: 17000
Units: PPM

Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Amount: 210
Units: PPM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Amount: 110
Units: PPM

Action Information (BWSC)

Status: RECPT ***F Name:***
Date: 01-Nov-2007 ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: SNAUDI ***F Name:***
Date: 30-Aug-2011 ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: ACOP ***F Name:***
Date: 30-Mar-2007 ***L Name:***
Action: C&E
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NON ***F Name:***
Date: 23-Jan-2006 ***L Name:***
Action: C&E
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: REVRCD ***F Name:***
Date: 30-Sep-2008 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Revised Statement or Transmittal Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FLDRAN ***F Name:***
Date: 30-Aug-2011 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FLDRUN ***F Name:***
Date: 16-Jul-2008 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: NAFNVD ***F Name:***
Date: 02-Sep-2011 ***L Name:***
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: CSRCVD ***F Name:***
Date: 25-Oct-2000 ***L Name:***
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FEEREC ***F Name:***
Date: 01-Jun-1999 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Fee Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RAORCD ***F Name:***
Date: 01-Nov-2007 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: INTLET ***F Name:***
Date: 26-Aug-2008 ***L Name:***
Action: C&E
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: CSRCVD ***F Name:***
Date: 01-Nov-2007 ***L Name:***
Action: PHASII
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: AFUCS ***F Name:***
Date: 30-Sep-2008 ***L Name:***
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TSAUD ***F Name:***
Date: 16-May-2008 ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Level I - Technical Screen Audit

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: PLANWR ***F Name:***
Date: 28-May-1999 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: ACTAUD ***F Name:***
Date: 09-Jun-2008 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Level III - Comprehensive Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: LEGNOT ***F Name:***
Date: 01-Nov-2000 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Legal Notice Published
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: LEGNOT ***F Name:***
Date: 28-Nov-2007 ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Legal Notice Published
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RECPT ***F Name:***
Date: 25-Oct-2000 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TSAUD ***F Name:***
Date: 16-May-2008 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: REPORT ***F Name:***
Date: 28-May-1999 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NOEC ***F Name:***
Date: 29-Jan-2007 ***L Name:***

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: C&E
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RFI **F Name:**
Date: 26-Aug-2008 **L Name:**
Action: C&E
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: CSRCVD **F Name:**
Date: 02-Apr-2007 **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FOLOFF **F Name:**
Date: 21-Jul-2008 **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: REPORT **F Name:**
Date: 28-May-1999 **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: T2EXT **F Name:**
Date: 02-Apr-2007 **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NAFVIO **F Name:**
Date: 09-Jun-2008 **L Name:**
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NON **F Name:**
Date: 31-Aug-2000 **L Name:**
Action: C&E
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: SOW **F Name:**
Date: 16-May-2007 **L Name:**
Action: PHASII
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TIERII **F Name:**
Date: 25-Oct-2000 **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release (BWSC) Detail

Prim ID: **Category:** 120 DY
Current Status: RAO **Phase:** PHASE III
Current St Desc: Response Action Outcome **RAO Class:** A3
Current Date: 01-Nov-2007 **OHM:** Oil
OFC Notification: 28-May-1999
Phase Desc: Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives and the Remedial Action Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	1 of 1	ESE	0.31 / 1,640.89	166.92 / -14	NO LOCATION AID 5 MACONE CIR STONEHAM MA	RELEASE

RTN: 3-0023122 **Phase:**
Compliance Date: 10/8/2003 **RAO Class:** A1
Compliance Status: RAO **Chemical Type:** Oil
Compl Status Desc: Response Action Outcome **Location Type:** ROADWAY
Notification Date: 8/21/2003 **Site Name (BWSC):** NO LOCATION AID
Source: BOAT **Address (BWSC):** 5 MACONE CIR
Reporting Category: TWO HR **Town (BWSC):** STONEHAM
Site (EEA Data): NO LOCATION AID **Zip Code (BWSC):** 02180-0000
Rel Add(EEA Data): 5 MACONE CIR **OFC Town (BWSC):** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0023122
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0023122
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: GASOLINE
Amount: 100
Units: GAL

Chemical: GASOLINE
Amount: 150
Units: GAL

Action Information (BWSC)

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: REPORT ***F Name:***
Date: 08-Oct-2003 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: APORAL ***F Name:***
Date: 21-Aug-2003 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED ***F Name:***
Date: 18-Sep-2003 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD ***F Name:***
Date: 08-Oct-2003 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 21-Aug-2003 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A1
Current Date: 08-Oct-2003 ***OHM:*** Oil
OFC Notification: 21-Aug-2003
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

7	1 of 3	SW	0.34 / 1,769.69	162.66 / -19	NO LOCATION AID 19 DAPPER DARBY DR STONEHAM MA	LUST

RTN: 3-0025999 ***Phase:***
Compliance Status: RAO ***Location Type(s):*** RESIDNTIAL
Compl Status Desc: Response Action Outcome ***Site Name (BWSC):*** NO LOCATION AID
Compliance Date: 11/13/2006 ***Address (BWSC):*** 19 DAPPER DARBY DR
Notification Date: 6/16/2006 ***Town (BWSC):*** STONEHAM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class: A2 ***Zip Code (BWSC):*** 02180-0000
Chemical Type: Oil ***OFC Town (BWSC):*** STONEHAM
Reporting Category: 72 HR ***Source(s):*** 500-GAL, UST
Site Name (EEA Data Portal): NO LOCATION AID
Release Add (EEA Data Portal): 19 DAPPER DARBY DR
City/Town (EEA Data Portal): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0025999
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0025999
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID: ***Category:*** 72 HR
Current Status: RAO ***Phase:***
Current Status Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 13-Nov-2006 ***OHM:*** Oil
OFC Notification: 16-Jun-2006
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Chemical Information

Chemical: NO. 2 FUEL
Amount: 295
Units: PPMV

Chemical: FUEL OIL
Amount: 295
Units: PPM

Action Information

Date: 13-Nov-2006 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: RAORCD
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 21-Jul-2006 ***First Name:***
Action: NOR ***Last Name:***
Action Description: Notice of Responsibility
Status: ISSUED
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 15-Nov-2006 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: FEEREC
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 19-Jul-2006 ***First Name:***
Action: RNF ***Last Name:***
Action Description: Release Notification Form Received
Status: REPORT
Status Description: Reportable Release under MGL 21E
RAO Class: A2

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RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 16-Jun-2006 **First Name:**
Action: IRA **Last Name:**
Action Description: Immediate Response Action
Status: APORAL
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 16-Jun-2006 **First Name:**
Action: REL **Last Name:**
Action Description: Release Disposition
Status: REPORT
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 21-Aug-2006 **First Name:**
Action: IRA **Last Name:**
Action Description: Immediate Response Action
Status: CSRCVD
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

7	2 of 3	SW	0.34 / 1,769.69	162.66 / -19	NO LOCATION AID 19 DAPPER DARBY DR STONEHAM MA 02180-0000	LST

Site No: 3-0025999
Source: 500-GAL,UST
Release Type: RAO
Chemical Type: Oil
Category: 72 HR
ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Phase Desc:
Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.
Status Desc: Response Action Outcome
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=3-0025999
Location Type: RESIDNTIAL

Initial Status Dt: 6/16/2007
Official Notifi Dt: 6/16/2006
Current Date: 11/13/2006
ROA Class: A2
Phase:

Chemicals Information

Chemical: NO. 2 FUEL
Amount: 295
Units: PPMV

Chemical: FUEL OIL
Amount: 295
Units: PPM

Response Action

Response Action Type: IRA Immediate Response Action
Status: CSRCVD Completion Statement Received
Submittal Date: 08/21/2006
RAO Class:
RAO Description:
Activity and Use Limitation:

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

Submittal Date: 11/15/2006
RAO Class: A2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Activity and Use Limitation: NONE

Response Action Type: REL Potential Release or Threat of Release
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 06/16/2006
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RNF Release Notification Form Received
Status: REPORT Reportable Release or Threat of Release
Submittal Date: 07/19/2006
RAO Class:
RAO Description:
Activity and Use Limitation:

Licensed Site Professional

LSP No: 7610
LSP Name: KAVANAUGH, KEVIN J

RAO Detail

Class: A2
Method: 1
GW Category: 2
Soil Category: 1
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

7	3 of 3	SW	0.34 / 1,769.69	162.66 / -19	NO LOCATION AID 19 DAPPER DARBY DR STONEHAM MA	RELEASE

RTN: 3-0025999
Compliance Date: 11/13/2006
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 6/16/2006
Source: 500-GAL, UST
Reporting Category: 72 HR
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): 19 DAPPER DARBY DR
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0025999
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0025999
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class: A2
Chemical Type: Oil
Location Type: RESIDNTIAL
Site Name (BWSC): NO LOCATION AID
Address (BWSC): 19 DAPPER DARBY DR
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: NO. 2 FUEL
Amount: 295
Units: PPMV

Chemical: FUEL OIL
Amount: 295
Units: PPM

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Action Information (BWSC)

Status: REPORT ***F Name:***
Date: 16-Jun-2006 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***F Name:***
Date: 13-Nov-2006 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***F Name:***
Date: 21-Jul-2006 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 19-Jul-2006 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC ***F Name:***
Date: 15-Nov-2006 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL ***F Name:***
Date: 16-Jun-2006 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***F Name:***
Date: 21-Aug-2006 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: ***Category:*** 72 HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 13-Nov-2006 ***OHM:*** Oil
OFC Notification: 16-Jun-2006
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Other Rela:

8 **1 of 4** **WNW** **0.35 / 1,859.66** **160.80 / -20** ***PROPERTY 72 SUMMER ST STONEHAM MA*** ***HIST LUST***

Spill ID: N92-0772
Site ID: 3-4298
Case Closed: YES
LUST: NO
Incident: LEAK
Other Incident:
Source: U.S.T.
Other Source:
Petro/Hazardous: PETROLEUM
Virgin/Waste: VIRGIN
Material: #2 FUEL OIL
Other Material:
Enviro Impact: SOIL
Other Env. Impact:
Contaminated Soil:
PCB Ranges: NONE
Reported Qty Spilled: 101-250
CAS # for Haz Waste:
SPL Info. 1st Entered: 2/19/1993
SPL Info. Last Entered: 2/19/1993

Repo Units Spilled: GALLONS
Act. Qty Spilled: UNKNOWN
Act. Units Spilled: GALLONS
Spill Date: 6/19/1992
Spill Time:
Rport Date: 6/19/1992
Rport Time:
Notifier: TED GUTHRIE/CYN
Notifier Phone:
First IR Form: 6/19/1992
Staff Lead: FAGAN, J
Category:
Days For Case: 0
Report pre by:
Contractor: NOT USED
Referral Divisions: SA

8 **2 of 4** **WNW** **0.35 / 1,859.66** **160.80 / -20** ***PROPERTY 72 SUMMER ST STONEHAM MA*** ***LUST***

RTN: 3-0004298
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Compliance Date: 8/5/1997
Notification Date: 6/22/1992
RAO Class: A2
Chemical Type:
Reporting Category: NONE
Site Name (EEA Data Portal): PROPERTY
Release Add (EEA Data Portal): 72 SUMMER ST
City/Town (EEA Data Portal): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0004298
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0004298
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
Location Type(s): RESIDNTIAL
Site Name (BWSC): PROPERTY
Address (BWSC): 72 SUMMER ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180
OFC Town (BWSC): STONEHAM
Source(s): UST

Release (BWSC) Detail

Prim ID: ***Category:*** NONE
Current Status: RAO ***Phase:***
Current Status Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 05-Aug-1997 ***OHM:***
OFC Notification: 22-Jun-1992
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Chemical Information

Chemical: UNKNOWN
Amount:

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Units:

Action Information

Date: 22-Jun-1992 **First Name:**
Action: NOR **Last Name:**
Action Description: Notice of Responsibility
Status: ISSUED
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 05-Aug-1997 **First Name:**
Action: RAO **Last Name:**
Action Description: Response Action Outcome -RAO
Status: RAORCD
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Date: 22-Jun-1992 **First Name:**
Action: REL **Last Name:**
Action Description: Release Disposition
Status: TCTRNS
Status Description: Valid Transition Site (Retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

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8 **3 of 4** **WNW** **0.35 / 1,859.66** **160.80 / -20** **PROPERTY 72 SUMMER ST STONEHAM MA 2180** **LST**

Site No: 3-0004298 **Initial Status Dt:** 8/2/1997
Source: UST **Official Notifi Dt:** 6/22/1992
Release Type: RAO **Current Date:** 8/5/1997
Chemical Type: **ROA Class:** A2
Category: NONE **Phase:**
ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Phase Desc:
Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.
Status Desc: Response Action Outcome
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=3-0004298
Location Type: RESIDNTIAL

Chemicals Information

Chemical: UNKNOWN
Amount:
Units:

Response Action

Response Action Type: REL Potential Release or Threat of Release
Status: TCTRNS Tier Classified Transition Sites
Submittal Date: 06/22/1992
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: RAO Response Action Outcome - RAO
Status: RAORCD RAO Statement Received
Submittal Date: 08/05/1997

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class: A2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Activity and Use Limitation: NONE

RAO Detail

Class: A2
Method: 1
GW Category:
Soil Category: 1
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

---

8 **4 of 4** **WNW** **0.35 / 1,859.66** **160.80 / -20** **PROPERTY 72 SUMMER ST STONEHAM MA** **RELEASE**

RTN: 3-0004298 **Phase:**
Compliance Date: 8/5/1997 **RAO Class:** A2
Compliance Status: RAO **Chemical Type:**
Compl Status Desc: Response Action Outcome **Location Type:** RESIDNTIAL
Notification Date: 6/22/1992 **Site Name (BWSC):** PROPERTY
Source: UST **Address (BWSC):** 72 SUMMER ST
Reporting Category: NONE **Town (BWSC):** STONEHAM
Site (EEA Data): PROPERTY **Zip Code (BWSC):** 02180
Rel Add(EEA Data): 72 SUMMER ST **OFC Town (BWSC):** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0004298
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0004298
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Status: TCTRNS **F Name:**
Date: 22-Jun-1992 **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **F Name:**
Date: 05-Aug-1997 **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **F Name:**
Date: 22-Jun-1992 **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2

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RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 05-Aug-1997
OFC Notification: 22-Jun-1992
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: NONE
Phase:
RAO Class: A2
OHM:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	1 of 3	W	0.42 / 2,243.04	156.17 / -25	CURTIS AMBULANCE 32 SUMMER ST STONEHAM MA	LUST

RTN: 3-0000018
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Compliance Date: 10/23/1997
Notification Date: 12/4/1985
RAO Class: A2
Chemical Type:
Reporting Category: NONE
Site Name (EEA Data Portal): CURTIS AMBULANCE
Release Add (EEA Data Portal): 32 SUMMER ST
City/Town (EEA Data Portal): STONEHAM
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0000018
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0000018
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase: PHASE II
Location Type(s): FORMER, GASSTATION
Site Name (BWSC): CURTIS AMBULANCE
Address (BWSC): 32 SUMMER ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180
OFC Town (BWSC): STONEHAM
Source(s): UST

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current Status Desc: Response Action Outcome
Current Date: 23-Oct-1997
OFC Notification: 04-Dec-1985
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: NONE
Phase: PHASE II
RAO Class: A2
OHM:

Chemical Information

Chemical: UNKNOWN
Amount:
Units:

Action Information

Date: 04-Dec-1985
Action: NOR
Action Description: Notice of Responsibility
Status: ISSUED
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
First Name:
Last Name:

Date: 01-Aug-1995
First Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: TCLASS
Action Description: Tier Classification
Status: TIERII
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Last Name:

Date: 01-Aug-1995
Action: TCLASS
Action Description: Tier Classification
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
First Name:
Last Name:

Date: 28-Jul-1995
Action: TREGS
Action Description:
Status: LSPFA
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
First Name:
Last Name:

Date: 04-Dec-1985
Action: REL
Action Description: Release Disposition
Status: TCTRNS
Status Description: Valid Transition Site (Retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
First Name:
Last Name:

Date: 23-Oct-1997
Action: RAO
Action Description: Response Action Outcome -RAO
Status: RAORCD
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
First Name:
Last Name:

Date: 01-Aug-1995
Action: PHASEI
Action Description: Phase 1
Status: CSRCVD
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
First Name:
Last Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	2 of 3	W	0.42 / 2,243.04	156.17 / -25	CURTIS AMBULANCE 32 SUMMER ST STONEHAM MA 2180	LST

Site No: 3-0000018
Source: UST
Release Type: RAO
Chemical Type:
Category: NONE
ROA Class Desc: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Phase Desc: Comprehensive Site Assessment. During Phase II, the risks posed to public health, welfare, and the environment are determined.
Release Type Desc: (Response Action Outcome): A site/release where an RAO Statement was submitted. An RAO Statement asserts that response actions were sufficient to achieve a level of no significant risk or at least ensure that all substantial hazards were eliminated.
Status Desc: Response Action Outcome
Document URL: http://public.dep.state.ma.us/fileviewer/Rtn.aspx?rtn=3-0000018
Location Type: FORMER,GASSTATION
Initial Status Dt: 8/2/1995
Official Notifi Dt: 12/4/1985
Current Date: 10/23/1997
ROA Class: A2
Phase: PHASE II

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Chemicals Information

Chemical: UNKNOWN
Amount:
Units:

Response Action

Response Action Type: RAO Response Action Outcome - RAO
Status: RAORCD RAO Statement Received
Submittal Date: 10/23/1997
RAO Class: A2
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.
Activity and Use Limitation: NONE

Response Action Type: PHASEI Phase 1
Status: CSRCVD Completion Statement Received
Submittal Date: 08/01/1995
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: TCLASS Tier Classification
Status: TIERII Tier 2 Classification
Submittal Date: 08/01/1995
RAO Class:
RAO Description:
Activity and Use Limitation:

Response Action Type: REL Potential Release or Threat of Release
Status: TCTRNS Tier Classified Transition Sites
Submittal Date: 12/04/1985
RAO Class:
RAO Description:
Activity and Use Limitation:

RAO Detail

Class: A2
Method: 2
GW Category: 2
Soil Category: 1
RAO Description: Remedial work was completed and a level of 'no significant risk' has been achieved. A permanent solution has been achieved. Contamination has not been reduced to background.

Tier Classification Detail

Imminent Hazard: NO
Zone2: NO
Numerical Rank Scoresheet Totals: 142
Numerical Rank Scoresheet II: 50
Numerical Rank Scoresheet III: 72
Numerical Rank Scoresheet IV: 20
Numerical Rank Scoresheet V: 0
Numerical Rank Scoresheet VI: 0

9	3 of 3	W	0.42 / 2,243.04	156.17 / -25	CURTIS AMBULANCE 32 SUMMER ST STONEHAM MA	RELEASE

RTN: 3-0000018 ***Phase:*** PHASE II
Compliance Date: 10/23/1997 ***RAO Class:*** A2

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Status: RAO ***Chemical Type:***
Compl Status Desc: Response Action Outcome ***Location Type:*** FORMER, GASSTATION
Notification Date: 12/4/1985 ***Site Name (BWSC):*** CURTIS AMBULANCE
Source: UST ***Address (BWSC):*** 32 SUMMER ST
Reporting Category: NONE ***Town (BWSC):*** STONEHAM
Site (EEA Data): CURTIS AMBULANCE ***Zip Code (BWSC):*** 02180
Rel Add(EEA Data): 32 SUMMER ST ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0000018
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0000018
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Status: RECPT ***F Name:***
Date: 01-Aug-1995 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***F Name:***
Date: 04-Dec-1985 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***F Name:***
Date: 01-Aug-1995 ***L Name:***
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TCTRNS ***F Name:***
Date: 04-Dec-1985 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***F Name:***
Date: 23-Oct-1997 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII ***F Name:***
Date: 01-Aug-1995 ***L Name:***
Action: TCLASS
Action Description: Tier Classification

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Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: LSPFA
Date: 28-Jul-1995
Action: TREGS
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 23-Oct-1997
OFC Notification: 04-Dec-1985
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: NONE
Phase: PHASE II
RAO Class: A2
OHM:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	1 of 1	NNE	0.48 / 2,560.34	167.35 / -14	SULLIVAN LANE/SULLIVAN CIRCLE 5 SULLIVAN CIR STONEHAM MA	RELEASE

RTN: 3-0017352
Compliance Date: 12/30/2002
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 9/25/1998
Source: UNKNOWN
Reporting Category: TWO HR
Site (EEA Data): SULLIVAN LANE/SULLIVAN CIRCLE
Rel Add(EEA Data): 5 SULLIVAN CIR
Town (EEA Data): STONEHAM
Phase: PHASE II
RAO Class: A2
Chemical Type: Oil and Hazardous Material
Location Type: RESIDNTIAL
Site Name (BWSC): SULLIVAN LANE/SULLIVAN CIRCLE
Address (BWSC): 5 SULLIVAN CIR
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0017352
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0017352
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: CREOSOTE
Amount:
Units:

Chemical: C9 THRU C18 ALIPHATIC HYDROCARBONS
Amount: 4000
Units: MG/KG

Chemical: PHENANTHRENE
Amount: 1100
Units: MG/KG

Action Information (BWSC)

Status: PLANWR
Date: 01-Dec-1998
Action: IRA
Action Description: Immediate Response Action
F Name:
L Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT
Date: 04-Oct-1999
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANMD
Date: 25-Mar-1999
Action: IRA
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANMD
Date: 17-Sep-1999
Action: IRA
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT
Date: 01-Dec-1998
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD
Date: 17-Sep-1999
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD
Date: 04-Oct-1999
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII
Date: 04-Oct-1999
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDD1A
Date: 25-Sep-1998
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN
F Name:
L Name:

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Date: 26-Sep-1998 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 25-Sep-1998 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ASSESS ***F Name:***
Date: 25-Sep-1998 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: IRA Assessment Only
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***F Name:***
Date: 30-Dec-2002 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 07-Feb-2000 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***F Name:***
Date: 28-Oct-1998 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***F Name:***
Date: 30-Dec-2002 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD ***F Name:***
Date: 12-Feb-1999 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD ***F Name:***
Date: 30-Dec-2002 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDISS ***F Name:***
Date: 25-Sep-1998 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Field NOR Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:*** PHASE II
Current St Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 30-Dec-2002 ***OHM:*** Oil and Hazardous Material
OFC Notification: 25-Sep-1998
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

11	1 of 1	NW	0.52 / 2,738.28	146.98 / -34	***COMMERCIAL PROPERTY*** ***15 DALE COURT*** ***STONEHAM MA***	***RELEASE***

RTN: 3-0030504 ***Phase:***
Compliance Date: 2/9/2012 ***RAO Class:*** A2
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** BOYS AND, CLUB, GIRLS
Notification Date: 12/8/2011 ***Site Name (BWSC):*** COMMERCIAL PROPERTY
Source: UST ***Address (BWSC):*** 15 DALE COURT
Reporting Category: 72 HR ***Town (BWSC):*** STONEHAM
Site (EEA Data): COMMERCIAL PROPERTY ***Zip Code (BWSC):*** 02180-0000
Rel Add(EEA Data): 15 DALE COURT ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0030504
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0030504
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 190
Units: PPMV

Chemical: FUEL OIL
Amount: 197
Units: PPM

Action Information (BWSC)

Status: SHPFAC ***F Name:***
Date: 15-Feb-2012 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***F Name:***
Date: 09-Feb-2012 ***L Name:***
Action: RAO

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL — **F Name:**
Date: 08-Dec-2011 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD — **F Name:**
Date: 09-Feb-2012 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT — **F Name:**
Date: 05-Feb-2012 — **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT — **F Name:**
Date: 08-Dec-2011 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT — **F Name:**
Date: 06-Jan-2012 — **L Name:**
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED — **F Name:**
Date: 22-Dec-2011 — **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT — **F Name:**
Date: 05-Feb-2012 — **L Name:**
Action: RNFE
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: — **Category:** 72 HR
Current Status: RAO — **Phase:**
Current St Desc: Response Action Outcome — **RAO Class:** A2
Current Date: 09-Feb-2012 — **OHM:** Oil
OFC Notification: 08-Dec-2011

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

12 — **1 of 1** — **W** — **0.60 / 3,170.30** — **159.62 / -22** — **PROPERTY, 492 MAIN ST, STONEHAM MA** — **RELEASE**

RTN: 3-0002633
Compliance Date: 8/9/1996
Compliance Status: PENNFA
Compl Status Desc: Pending No Further Action
Notification Date: 1/15/1990
Source:
Reporting Category: NONE
Site (EEA Data): PROPERTY
Rel Add(EEA Data): 492 MAIN ST
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc:
Phase:
RAO Class:
Chemical Type:
Location Type:
Site Name (BWSC): PROPERTY
Address (BWSC): 492 MAIN ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180
OFC Town (BWSC): STONEHAM
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0002633
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0002633
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Status: TCTRNS — **F Name:**
Date: 15-Jan-1990 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class:
RAO Class Desc:

Status: PENNFA — **F Name:**
Date: 09-Aug-1996 — **L Name:**
Action: TREGS
Action Description:
Status Description:
RAO Class:
RAO Class Desc:

Status: INTLET — **F Name:**
Date: 27-Jul-1995 — **L Name:**
Action: C&E
Action Description:
Status Description:
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID: — **Category:** NONE
Current Status: PENNFA — **Phase:**
Current St Desc: Pending No Further Action — **RAO Class:**
Current Date: 09-Aug-1996 — **OHM:**
OFC Notification: 15-Jan-1990
Phase Desc:

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RAO Class Desc:						
Other Rela:						
13	1 of 1	WNW	0.60 / 3,182.01	147.14 / -34	NORTHEAST MANUFACTURING 35 SPENCER ST STONEHAM MA	RELEASE

RTN: 3-0024075
Compliance Date: 4/15/2011
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 7/21/2004
Source:
Reporting Category: 120 DY
Site (EEA Data): NORTHEAST MANUFACTURING
Rel Add(EEA Data): 35 SPENCER ST
Town (EEA Data): STONEHAM
Phase: PHASE IV
RAO Class: A2
Chemical Type: Oil and Hazardous Material
Location Type:
Site Name (BWSC): NORTHEAST MANUFACTURING
Address (BWSC): 35 SPENCER ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0024075
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0024075
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: PHENANTHRENE
Amount: 88
Units: UG/L

Chemical: ALIPHATIC HYDROCARBONS C9 THRU C18
Amount: 541000
Units: UG/L

Chemical: AROMATIC HYDROCARBONS C9 THRU C10
Amount: 9750
Units: UG/L

Action Information (BWSC)

Status: REPORT — **F Name:**
Date: 21-Jul-2004 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: LEGNOT — **F Name:**
Date: 29-Jul-2005 — **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Legal Notice Published
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APPREC — **F Name:**
Date: 01-Jun-2007 — **L Name:**
Action: FTLI
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD — **F Name:**
Date: 28-Jul-2005 — **L Name:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT — **F Name:**
Date: 28-Jul-2005 — **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TERMIN — **F Name:**
Date: 22-Jul-2008 — **L Name:**
Action: FTLI
Action Description:
Status Description: Action Status or AUL Terminated
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD — **F Name:**
Date: 09-Jun-2008 — **L Name:**
Action: PHASII
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NDMDRC — **F Name:**
Date: 31-Jul-2007 — **L Name:**
Action: PHASII
Action Description: Phase 2
Status Description: Notice of Delay in Meeting RA Deadline Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR — **F Name:**
Date: 21-Nov-2007 — **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NDMDRC — **F Name:**
Date: 31-Jul-2007 — **L Name:**
Action: PHSIII
Action Description: Phase 3
Status Description: Notice of Delay in Meeting RA Deadline Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD — **F Name:**
Date: 15-Apr-2011 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD — **F Name:**
Date: 05-Mar-2012 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: ISSUED **F Name:**
Date: 10-Aug-2004 **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD **F Name:**
Date: 09-Jun-2008 **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII **F Name:**
Date: 28-Jul-2005 **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APPACC **F Name:**
Date: 18-Sep-2007 **L Name:**
Action: FTLI
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **F Name:**
Date: 09-Jun-2008 **L Name:**
Action: PHSIII
Action Description: Phase 3
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **F Name:**
Date: 27-Mar-2008 **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **F Name:**
Date: 28-Nov-2007 **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **F Name:**
Date: 21-Jul-2004 **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: **Category:** 120 DY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Current Status: RAO **Phase:** PHASE IV
Current St Desc: Response Action Outcome **RAO Class:** A2
Current Date: 15-Apr-2011 **OHM:** Oil and Hazardous Material
OFC Notification: 21-Jul-2004
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

14 **1 of 2** **WNW** **0.60 / 3,184.86** **160.14 / -21** ***GASOLINE STATION 490 MAIN STREET STONEHAM MA*** ***RELEASE***

RTN: 3-0033318 **Phase:** PHASE II
Compliance Date: 6/1/2016 **RAO Class:** PN
Compliance Status: PSNC **Chemical Type:** Oil
Compl Status Desc: Permanent Solution with No Conditions **Location Type:** COMMERCIAL
Notification Date: 12/14/2015 **Site Name (BWSC):** GASOLINE STATION
Source: TANK, UST **Address (BWSC):** 490 MAIN STREET
Reporting Category: 72 HR **Town (BWSC):** STONEHAM
Site (EEA Data): GASOLINE STATION **Zip Code (BWSC):** 02180-0000
Rel Add(EEA Data): 490 MAIN STREET **OFC Town (BWSC):** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: Permanent Solution with No Conditions
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0033318
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0033318
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: GASOLINE
Amount: 1600
Units: PPMV

Action Information (BWSC)

Status: PLANWR **F Name:**
Date: 04-Feb-2016 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **F Name:**
Date: 18-Dec-2015 **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT **F Name:**
Date: 18-Dec-2015 **L Name:**
Action: RNFE
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD **F Name:**
Date: 31-Mar-2016 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD — **F Name:**
Date: 22-Dec-2017 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ISSUED — **F Name:**
Date: 30-Dec-2015 — **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD — **F Name:**
Date: 01-Jun-2016 — **L Name:**
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PSNRCD — **F Name:**
Date: 01-Jun-2016 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with No Conditions
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD — **F Name:**
Date: 01-Apr-2016 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT — **F Name:**
Date: 14-Dec-2015 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: APORAL — **F Name:**
Date: 14-Dec-2015 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD — **F Name:**
Date: 01-Jun-2016 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD — **F Name:**
Date: 04-Feb-2016 — **L Name:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Release (BWSC) Detail

Prim ID:
Current Status: PSNC
Current St Desc: Permanent Solution with No Conditions
Current Date: 01-Jun-2016
OFC Notification: 14-Dec-2015
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: Permanent Solution with No Conditions
Other Rela:
Category: 72 HR
Phase: PHASE II
RAO Class: PN
OHM: Oil

14	2 of 2	WNW	0.60 / 3,184.86	160.14 / -21	490 MAIN STREET 490 MAIN STREET STONEHAM MA	RELEASE

RTN: 3-0032925
Compliance Date: 6/1/2016
Compliance Status: PSNC
Compl Status Desc: Permanent Solution with No Conditions
Notification Date: 6/1/2015
Source: TANK, UNKNOWN, UST
Reporting Category: 120 DY
Site (EEA Data): 490 MAIN STREET
Rel Add(EEA Data): 490 MAIN STREET
Town (EEA Data): STONEHAM
Phase Desc: Comprehensive Site Assessment
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0032925
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase: PHASE II
RAO Class:
Chemical Type: Oil and Hazardous Material
Location Type:
Site Name (BWSC): 490 MAIN STREET
Address (BWSC): 490 MAIN STREET
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: 2-METHYLNAPHTHALENE
Amount: 1.57
Units: MG/KG

Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Amount: 245
Units: MG/KG

Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Amount: 469
Units: MG/KG

Action Information (BWSC)

Status: REPORT — **F Name:**
Date: 01-Jun-2015 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: PLANWR — **F Name:**
Date: 16-Sep-2015 — **L Name:**
Action: RAM

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:

Status: RECPT ***F Name:***
Date: 10-Dec-2015 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: CSRCVD ***F Name:***
Date: 01-Jun-2016 ***L Name:***
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: ALSENT ***F Name:***
Date: 08-Apr-2016 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class:
RAO Class Desc:

Status: CSRCVD ***F Name:***
Date: 14-Jan-2016 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: RECPT ***F Name:***
Date: 01-Jun-2015 ***L Name:***
Action: RNFE
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: ISSUED ***F Name:***
Date: 16-Jun-2015 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class:
RAO Class Desc:

Status: TSAUD ***F Name:***
Date: 17-Sep-2015 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Level I - Technical Screen Audit
RAO Class:
RAO Class Desc:

Status: REPORT ***F Name:***
Date: 01-Jun-2015 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: SHPFAC ***F Name:***
Date: 14-Jan-2016 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class:
RAO Class Desc:

Status: PSNRCD ***F Name:***
Date: 01-Jun-2016 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with No Conditions
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID: ***Category:*** 120 DY
Current Status: PSNC ***Phase:*** PHASE II
Current St Desc: Permanent Solution with No Conditions ***RAO Class:***
Current Date: 01-Jun-2016 ***OHM:*** Oil and Hazardous Material
OFC Notification: 01-Jun-2015
Phase Desc: Comprehensive Site Assessment
RAO Class Desc:
Other Rela:

15	1 of 2	NW	0.61 / 3,206.35	149.60 / -32	NO LOCATION AID 30 PINE ST STONEHAM MA	RELEASE

RTN: 3-0028916 ***Phase:***
Compliance Date: 7/14/2010 ***RAO Class:***
Compliance Status: RTN CLOSED ***Chemical Type:*** Oil
Compl Status Desc: Release Tracking Number Closed ***Location Type:*** COMMERCIAL
Notification Date: 11/24/2009 ***Site Name (BWSC):*** NO LOCATION AID
Source: UNDER IN, VESTIGATN ***Address (BWSC):*** 30 PINE ST
Reporting Category: 72 HR ***Town (BWSC):*** STONEHAM
Site (EEA Data): NO LOCATION AID ***Zip Code (BWSC):*** 02180-2027
Rel Add(EEA Data): 30 PINE ST ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0028916
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0028916
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: DIESEL FUEL
Amount: 1
Units: INCH

Action Information (BWSC)

Status: STRCVD ***F Name:***
Date: 21-Jan-2010 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Status: RECPT ***F Name:***

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 21-Jan-2010 ***L Name:***
Action: RNFE
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: CSRCVD ***F Name:***
Date: 14-Jul-2010 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: REPORT ***F Name:***
Date: 24-Nov-2009 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: IHEVAL ***F Name:***
Date: 21-Jan-2010 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Imminent Hazard Evaluation Received
RAO Class:
RAO Class Desc:

Status: ISSUED ***F Name:***
Date: 18-Dec-2009 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class:
RAO Class Desc:

Status: LNKVTC ***F Name:***
Date: 14-Jul-2010 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: RTN Linked to TCLASS Via Tier Classification Submittal
RAO Class:
RAO Class Desc:

Status: RECPT ***F Name:***
Date: 05-Aug-2009 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: APORAL ***F Name:***
Date: 24-Nov-2009 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class:
RAO Class Desc:

Status: REPORT ***F Name:***
Date: 21-Jan-2010 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class Desc:

Status: PLANWR ***F Name:***
Date: 21-Jan-2010 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:

Status: TSAUD ***F Name:***
Date: 22-Jan-2010 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class:
RAO Class Desc:

Status: RTCLSS ***F Name:***
Date: 14-Jul-2010 ***L Name:***
Action: RAONR
Action Description: RAO Not Required
Status Description: Linked to a Tier Classified Site
RAO Class:
RAO Class Desc:

Status: LNKVIC ***F Name:***
Date: 14-Jul-2010 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: RTN Linked to TCLASS Via IRA Completion Statement
RAO Class:
RAO Class Desc:

Status: TIERII ***F Name:***
Date: 05-Aug-2009 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID: ***Category:*** 72 HR
Current Status: RAONR ***Phase:***
Current St Desc: RAO Not Required ***RAO Class:***
Current Date: 14-Jul-2010 ***OHM:*** Oil
OFC Notification: 24-Nov-2009
Phase Desc:
RAO Class Desc:
Other Rela:

15	2 of 2	NW	0.61 / 3,206.35	149.60 / -32	NO LOCATION AID 30 PINE ST STONEHAM MA	RELEASE

RTN: 3-0027879 ***Phase:*** PHASE III
Compliance Date: 1/18/2013 ***RAO Class:*** A3
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** COMMERCIAL
Notification Date: 7/31/2008 ***Site Name (BWSC):*** NO LOCATION AID
Source: UST ***Address (BWSC):*** 30 PINE ST
Reporting Category: 72 HR ***Town (BWSC):*** STONEHAM
Site (EEA Data): NO LOCATION AID ***Zip Code (BWSC):*** 02180-0000
Rel Add(EEA Data): 30 PINE ST ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM

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Phase Desc: Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives and the Remedial Action Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0027879
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0027879
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: GASOLINE
Amount: 6952
Units: PPMV

Chemical: TOTAL ORGANIC VAPORS
Amount: 6952
Units: PPMV

Action Information (BWSC)

Status: STRCVD **F Name:**
Date: 05-Jan-2010 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NDMDRC **F Name:**
Date: 12-Aug-2011 **L Name:**
Action: PHASII
Action Description: Phase 2
Status Description: Notice of Delay in Meeting RA Deadline Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FOLOFF **F Name:**
Date: 26-Aug-2008 **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: APORAL **F Name:**
Date: 31-Jul-2008 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RMRINT **F Name:**
Date: 14-Jul-2010 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: RMR Interim Report Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TSAUD **F Name:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 11-Mar-2013 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: ISSUED **F Name:**
Date: 20-Aug-2008 **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: CSRCVD **F Name:**
Date: 18-Jan-2013 **L Name:**
Action: PHASII
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: LNKVIC **F Name:**
Date: 14-Jul-2010 **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: RTN Linked to TCLASS Via IRA Completion Statement
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RECPT **F Name:**
Date: 18-Jan-2013 **L Name:**
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: STRCVD **F Name:**
Date: 29-Mar-2011 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: STRCVD **F Name:**
Date: 08-Jun-2009 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NDMDRC **F Name:**
Date: 12-Aug-2011 **L Name:**
Action: PHSIII
Action Description: Phase 3
Status Description: Notice of Delay in Meeting RA Deadline Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

use Limitation (AUL) has been implemented.

Status: FOLOFF ***F Name:***
Date: 11-Apr-2011 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: LNKVTC ***F Name:***
Date: 14-Jul-2010 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: RTN Linked to TCLASS Via Tier Classification Submittal
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NON ***F Name:***
Date: 22-Jun-2012 ***L Name:***
Action: C&E
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RMRINI ***F Name:***
Date: 08-Jun-2009 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: RMR Initial Report Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: CSRCVD ***F Name:***
Date: 05-Aug-2009 ***L Name:***
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FOLOFF ***F Name:***
Date: 15-Dec-2008 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: APORMD ***F Name:***
Date: 26-Aug-2008 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of a Modified Plan
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: PLANMD ***F Name:***
Date: 03-Dec-2008 ***L Name:***
Action: IRA
Action Description: Immediate Response Action

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Description: Modified Revised or Updated Plan Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RMRINT ***F Name:***
Date: 05-Jan-2010 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: RMR Interim Report Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RMRINT ***F Name:***
Date: 29-Mar-2011 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: RMR Interim Report Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TSAUD ***F Name:***
Date: 15-Jun-2009 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TSAUD ***F Name:***
Date: 02-Oct-2008 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: ALSENT ***F Name:***
Date: 08-May-2009 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RECPT ***F Name:***
Date: 05-Aug-2009 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: STRCVD ***F Name:***
Date: 14-Jul-2010 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: STRCVD ***F Name:***

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 03-Dec-2008 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: REPORT ***F Name:***
Date: 31-Jul-2008 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: REPORT ***F Name:***
Date: 26-Sep-2008 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: LEGNOT ***F Name:***
Date: 13-Feb-2013 ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Legal Notice Published
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: APORMD ***F Name:***
Date: 11-Apr-2011 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of a Modified Plan
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: CSRCVD ***F Name:***
Date: 20-Aug-2012 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RMRFIN ***F Name:***
Date: 20-Aug-2012 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: RMR Final Report Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TSAUD ***F Name:***
Date: 08-Oct-2014 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

use Limitation (AUL) has been implemented.

Status: TIERII ***F Name:***
Date: 05-Aug-2009 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: PLANWR ***F Name:***
Date: 26-Sep-2008 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TSAUD ***F Name:***
Date: 06-Jan-2010 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TSAUD ***F Name:***
Date: 08-Dec-2008 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RAORCD ***F Name:***
Date: 18-Jan-2013 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release (BWSC) Detail

Prim ID: 3-0027879 ***Category:*** 72 HR
Current Status: RAO ***Phase:*** PHASE III
Current St Desc: Response Action Outcome ***RAO Class:*** A3
Current Date: 18-Jan-2013 ***OHM:*** Oil
OFC Notification: 31-Jul-2008
Phase Desc: Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives and the Remedial Action Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Other Rela:

16	*1 of 7*	*SSW*	*0.61 / 3,211.96*	*157.97 / -23*	*ROUTE 28 164 POND ST STONEHAM MA*	*RELEASE*

RTN: 3-0014778 ***Phase:***
Compliance Date: 3/24/1997 ***RAO Class:*** A2
Compliance Status: RAO ***Chemical Type:*** Oil

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Compl Status Desc: Response Action Outcome
Notification Date: 1/29/1997
Source:
Reporting Category: 120 DY
Site (EEA Data): ROUTE 28
Rel Add(EEA Data): 164 POND ST
Town (EEA Data): STONEHAM
Phase Desc:
Location Type:
Site Name (BWSC): ROUTE 28
Address (BWSC): 164 POND ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0014778
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0014778
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: TPH
Amount: 540
Units: MG/KG

Action Information (BWSC)

Status: ISSUED
Date: 14-Feb-1997
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Status: REPORT
Date: 29-Jan-1997
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Status: RAORCD
Date: 24-Mar-1997
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Status: REPORT
Date: 29-Jan-1997
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 24-Mar-1997
OFC Notification: 29-Jan-1997
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: 120 DY
Phase:
RAO Class: A2
OHM: Oil

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	2 of 7	SSW	0.61 / 3,211.96	157.97 / -23	MDC DRY WELL 164 POND ST STONEHAM MA	RELEASE

RTN: 3-0016828
Compliance Date: 9/25/2007
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 5/22/1998
Source: UNKNOWN
Reporting Category: 72 HR
Site (EEA Data): MDC DRY WELL
Rel Add(EEA Data): 164 POND ST
Town (EEA Data): STONEHAM
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0016828
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0016828
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase: PHASE IV
RAO Class: A2
Chemical Type: Oil
Location Type: STATE
Site Name (BWSC): MDC DRY WELL
Address (BWSC): 164 POND ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: PETROLEUM
Amount: 18
Units: INCH

Chemical: OIL
Amount:
Units:

Action Information (BWSC)

Status: CSRCVD
Date: 10-Apr-2007
Action: PHSIII
Action Description: Phase 3
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Status: ISSUED
Date: 03-Jul-1998
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Status: APORAL
Date: 03-Jun-1998
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Status: CSRCVD
Date: 31-Oct-2000
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Status: CSRCVD
Date: 10-Apr-2007
F Name:
L Name:

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: PHASII
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII **F Name:**
Date: 31-Oct-2000 **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **F Name:**
Date: 21-Jul-1998 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD **F Name:**
Date: 29-May-2008 **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: T2EXT **F Name:**
Date: 15-Jun-2007 **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL **F Name:**
Date: 22-May-1998 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: LNKVTC **F Name:**
Date: 31-Oct-2000 **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: RTN Linked to TCLASS Via Tier Classification Submittal
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT **F Name:**
Date: 31-Oct-2000 **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORMD **F Name:**
Date: 03-Jun-1998 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of a Modified Plan
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: RAORCD **F Name:**
Date: 25-Sep-2007 **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **F Name:**
Date: 22-May-1998 **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **F Name:**
Date: 21-Jul-1998 **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: 3-0016828 **Category:** 72 HR
Current Status: RAO **Phase:** PHASE IV
Current St Desc: Response Action Outcome **RAO Class:** A2
Current Date: 25-Sep-2007 **OHM:** Oil
OFC Notification: 22-May-1998
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

16	3 of 7	SSW	0.61 / 3,211.96	157.97 / -23	MDC CENTRAL SERVICES COMPLEX 164 POND RD STONEHAM MA	RELEASE

RTN: 3-0012468 **Phase:** PHASE II
Compliance Date: 2/7/1997 **RAO Class:** A2
Compliance Status: RAO **Chemical Type:** Oil
Compl Status Desc: Response Action Outcome **Location Type:** STATE
Notification Date: 5/11/1995 **Site Name (BWSC):** MDC CENTRAL SERVICES COMPLEX
Source: UNKNOWN **Address (BWSC):** 164 POND RD
Reporting Category: 120 DY **Town (BWSC):** STONEHAM
Site (EEA Data): MDC CENTRAL SERVICES COMPLEX **Zip Code (BWSC):** 02180-0000
Rel Add(EEA Data): 164 POND RD **OFC Town (BWSC):** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0012468
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0012468
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: TPH
Amount: 4100
Units: MG/KG

Action Information (BWSC)

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: PLANWR — **F Name:**
Date: 19-May-1995 — **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR — **F Name:**
Date: 18-Nov-1996 — **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT — **F Name:**
Date: 11-May-1995 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL — **F Name:**
Date: 11-May-1995 — **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD — **F Name:**
Date: 07-Feb-1997 — **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC — **F Name:**
Date: 22-May-1995 — **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED — **F Name:**
Date: 02-Jun-1995 — **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII — **F Name:**
Date: 16-Jan-1996 — **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD — **F Name:**
Date: 16-Jan-1996 — **L Name:**
Action: PHASEI
Action Description: Phase 1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL — **F Name:**
Date: 12-May-1995 — **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF — **F Name:**
Date: 12-May-1995 — **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD — **F Name:**
Date: 25-Sep-1995 — **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD — **F Name:**
Date: 07-Feb-1997 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT — **F Name:**
Date: 19-May-1995 — **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT — **F Name:**
Date: 16-Jan-1996 — **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT — **F Name:**
Date: 18-Jan-1996 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: — **Category:** 120 DY
Current Status: RAO — **Phase:** PHASE II
Current St Desc: Response Action Outcome — **RAO Class:** A2
Current Date: 07-Feb-1997 — **OHM:** Oil
OFC Notification: 11-May-1995
Phase Desc: Comprehensive Site Assessment

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RAO Class Desc:		A permanent solution has been achieved. Contamination has not been reduced to background.				
Other Rela:						

16	4 of 7	SSW	0.61 / 3,211.96	157.97 / -23	MDC MW 201 164 POND ST STONEHAM MA	RELEASE

RTN: 3-0017054
Compliance Date: 10/31/2000
Compliance Status: RTN CLOSED
Compl Status Desc: Release Tracking Number Closed
Notification Date: 7/17/1998
Source: UNKNOWN
Reporting Category: 72 HR
Site (EEA Data): MDC MW 201
Rel Add(EEA Data): 164 POND ST
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc:
Phase:
RAO Class:
Chemical Type: Oil
Location Type: STATE
Site Name (BWSC): MDC MW 201
Address (BWSC): 164 POND ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0017054
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0017054
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: OIL
Amount:
Units:

Chemical: NAPL
Amount: 4
Units: INCH

Action Information (BWSC)

Status: ASSESS
Date: 17-Jul-1998
Action: IRA
Action Description: Immediate Response Action
Status Description: IRA Assessment Only
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: APORAL
Date: 22-May-1998
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: RTCLSS
Date: 31-Oct-2000
Action: RAONR
Action Description: RAO Not Required
Status Description: Linked to a Tier Classified Site
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: LNKVTC
Date: 31-Oct-2000
Action: TCLASS
Action Description: Tier Classification
Status Description: RTN Linked to TCLASS Via Tier Classification Submittal
RAO Class:
F Name:
L Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
RAO Class Desc:						

Status: RECPT
Date: 31-Oct-2000
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: APORMD
Date: 03-Jun-1998
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of a Modified Plan
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: TIERII
Date: 31-Oct-2000
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: APORAL
Date: 03-Jun-1998
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: REPORT
Date: 17-Jul-1998
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: T2EXT
Date: 15-Jun-2007
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: PLANWR
Date: 21-Jul-1998
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: ISSUED
Date: 10-Aug-1998
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: REPORT
Date: 21-Jul-1998
Action: RNF
F Name:
L Name:

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID:
Current Status: RAONR
Current St Desc: RAO Not Required
Current Date: 31-Oct-2000
OFC Notification: 17-Jul-1998
Phase Desc:
RAO Class Desc:
Other Rela:
Category: 72 HR
Phase:
RAO Class:
OHM: Oil

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	5 of 7	SSW	0.61 / 3,211.96	157.97 / -23	DCR SERVICE GARAGE 164 POND STREET STONEHAM MA	RELEASE

RTN: 3-0031312
Compliance Date: 11/13/2015
Compliance Status: PSNC
Compl Status Desc: Permanent Solution with No Conditions
Notification Date: 1/4/2013
Source: AST, UST
Reporting Category: TWO HR
Site (EEA Data): DCR SERVICE GARAGE
Rel Add(EEA Data): 164 POND STREET
Town (EEA Data): STONEHAM
Phase: PHASE II
RAO Class: PN
Chemical Type: Oil
Location Type: STATE
Site Name (BWSC): DCR SERVICE GARAGE
Address (BWSC): 164 POND STREET
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: Permanent Solution with No Conditions
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0031312
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0031312
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 10
Units: GAL

Action Information (BWSC)

Status: APORMD — **F Name:**
Date: 30-Jan-2013 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of a Modified Plan
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD — **F Name:**
Date: 30-May-2014 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT — **F Name:**
Date: 29-May-2014 — **L Name:**
Action: TCLASS
Action Description: Tier Classification

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: APORAL — **F Name:**
Date: 04-Jan-2013 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD — **F Name:**
Date: 14-Apr-2015 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TIERII — **F Name:**
Date: 29-May-2014 — **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD — **F Name:**
Date: 27-Oct-2014 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD — **F Name:**
Date: 14-Mar-2013 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ISSUED — **F Name:**
Date: 23-Jan-2013 — **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PSNRCD — **F Name:**
Date: 13-Nov-2015 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with No Conditions
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT — **F Name:**
Date: 12-Mar-2013 — **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: NON — **F Name:**

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 09-Apr-2014 **L Name:**
Action: C&E
Action Description:
Status Description:
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD **F Name:**
Date: 15-May-2013 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD **F Name:**
Date: 22-May-2013 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD **F Name:**
Date: 28-Oct-2014 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ALSENT **F Name:**
Date: 07-Nov-2013 **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD **F Name:**
Date: 29-May-2014 **L Name:**
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FOLOFF **F Name:**
Date: 30-Jan-2013 **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: STRCVD **F Name:**
Date: 29-May-2014 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT **F Name:**
Date: 12-Mar-2013 **L Name:**
Action: RNFE
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class Desc: Permanent Solution with No Conditions

Status: PLANWR **F Name:**
Date: 12-Mar-2013 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **F Name:**
Date: 04-Jan-2013 **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Release (BWSC) Detail

Prim ID: **Category:** TWO HR
Current Status: PSNC **Phase:** PHASE II
Current St Desc: Permanent Solution with No Conditions **RAO Class:** PN
Current Date: 13-Nov-2015 **OHM:** Oil
OFC Notification: 04-Jan-2013
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: Permanent Solution with No Conditions
Other Rela:

16	6 of 7	SSW	0.61 / 3,211.96	157.97 / -23	MDC STATE MAINTENANCE FACILITY 164 POND ST STONEHAM MA	RELEASE

RTN: 3-0003927 **Phase:**
Compliance Date: 11/14/1996 **RAO Class:**
Compliance Status: RAO **Chemical Type:**
Compl Status Desc: Response Action Outcome **Location Type:** MUNICIPAL
Notification Date: 4/15/1992 **Site Name (BWSC):** MDC STATE MAINTENANCE FACILITY
Source: UST **Address (BWSC):** 164 POND ST
Reporting Category: NONE **Town (BWSC):** STONEHAM
Site (EEA Data): MDC STATE MAINTENANCE FACILITY **Zip Code (BWSC):** 02180-0000
Rel Add(EEA Data): 164 POND ST **OFC Town (BWSC):** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0003927
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0003927
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Status: RAOEQ **F Name:**
Date: 14-Nov-1996 **L Name:**
Action: TREGS
Action Description:
Status Description:
RAO Class:

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class Desc:

Status: TCTRNS
Date: 15-Apr-1992
Action: REL
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class:
RAO Class Desc:
F Name:
L Name:

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 14-Nov-1996
OFC Notification: 15-Apr-1992
Phase Desc:
RAO Class Desc:
Other Rela:
Category: NONE
Phase:
RAO Class:
OHM:

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RTN: 3-0035523
Compliance Date: 11/23/2019
Compliance Status: PSNC
Compl Status Desc: Permanent Solution with No Conditions
Notification Date: 3/26/2019
Source: UNKNOWN, VEHICLE
Reporting Category: TWO HR
Site (EEA Data): DCR FACILITY
Rel Add(EEA Data): 164 POND STREET
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0035523
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0035523
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase:
RAO Class: PN
Chemical Type: Oil
Location Type: STATE
Site Name (BWSC): DCR FACILITY
Address (BWSC): 164 POND STREET
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: GASOLINE
Amount: 10
Units: GAL

Chemical: GASOLINE
Amount: 31
Units: GAL

Action Information (BWSC)

Status: APORAL
Date: 26-Mar-2019
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions
F Name:
L Name:

Status: FLDD1U
Date: 26-Mar-2019
Action: RLFA
F Name:
L Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Unannounced
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT
Date: 17-Apr-2019
Action: RNFE
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions
F Name:
L Name:

Status: SHPFAC
Date: 28-May-2019
Action: BOL
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions
F Name:
L Name:

Status: NOAPP
Date: 26-Mar-2019
Action: IRA
Action Description: Immediate Response Action
Status Description: No IRA Approved at Notification
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions
F Name:
L Name:

Status: PSNRCD
Date: 23-Nov-2019
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with No Conditions
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions
F Name:
L Name:

Status: REPORT
Date: 26-Mar-2019
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions
F Name:
L Name:

Status: REPORT
Date: 17-Apr-2019
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions
F Name:
L Name:

Status: RECPT
Date: 01-May-2019
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions
F Name:
L Name:

Status: CSRCVD
Date: 24-Jul-2019
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions
F Name:
L Name:

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status:	PLANWR	**F Name:**	
Date:	28-May-2019	**L Name:**	
Action:	IRA		
Action Description:	Immediate Response Action		
Status Description:	Written Plan Received		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	ISSUED	**F Name:**	
Date:	25-Apr-2019	**L Name:**	
Action:	NOR		
Action Description:	Notice of Responsibility		
Status Description:	Correspondence Issued		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	FLDISS	**F Name:**	
Date:	26-Mar-2019	**L Name:**	
Action:	NOR		
Action Description:	Notice of Responsibility		
Status Description:	Field NOR Issued		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Status:	TSAUD	**F Name:**	
Date:	30-May-2019	**L Name:**	
Action:	IRA		
Action Description:	Immediate Response Action		
Status Description:	Level I - Technical Screen Audit		
RAO Class:	PN		
RAO Class Desc:	Permanent Solution with No Conditions		

Release (BWSC) Detail

Prim ID:		**Category:**	TWO HR
Current Status:	PSNC	**Phase:**	
Current St Desc:	Permanent Solution with No Conditions	**RAO Class:**	PN
Current Date:	23-Nov-2019	**OHM:**	Oil
OFC Notification:	26-Mar-2019		
Phase Desc:			
RAO Class Desc:	Permanent Solution with No Conditions		
Other Rela:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
17	1 of 3	WNW	0.62 / 3,279.21	155.81 / -25	FRANK NEWTON ESTATE 474 MAIN ST STONEHAM MA	RELEASE

RTN:	3-0029863	**Phase:**	
Compliance Date:	3/21/2011	**RAO Class:**	
Compliance Status:	RTN CLOSED	**Chemical Type:**	Hazardous Material
Compl Status Desc:	Release Tracking Number Closed	**Location Type:**	
Notification Date:	3/11/2011	**Site Name (BWSC):**	FRANK NEWTON ESTATE
Source:		**Address (BWSC):**	474 MAIN ST
Reporting Category:	120 DY	**Town (BWSC):**	STONEHAM
Site (EEA Data):	FRANK NEWTON ESTATE	**Zip Code (BWSC):**	02180-0000
Rel Add(EEA Data):	474 MAIN ST	**OFC Town (BWSC):**	STONEHAM
Town (EEA Data):	STONEHAM		
Phase Desc:			
RAO Class Desc:			
Info URL:	https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0029863		
Docs URL:	https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0029863		
Report Source:	Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)		

Chemical Information (BWSC)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Chemical:	LEAD
Amount:	350
Units:	MG/KG
Chemical:	ARSENIC
Amount:	29
Units:	MG/KG

Action Information (BWSC)

Status:	REPORT	**F Name:**	
Date:	11-Mar-2011	**L Name:**	
Action:	REL		
Action Description:	Release Disposition		
Status Description:	Reportable Release under MGL 21E		
RAO Class:			
RAO Class Desc:			

Status:	RECPT	**F Name:**	
Date:	11-Mar-2011	**L Name:**	
Action:	RNFE		
Action Description:	Release Notification		
Status Description:	Transmittal, Notice, or Notification Received		
RAO Class:			
RAO Class Desc:			

Status:	RECPT	**F Name:**	
Date:	21-Mar-2011	**L Name:**	
Action:	TCLASS		
Action Description:	Tier Classification		
Status Description:	Transmittal, Notice, or Notification Received		
RAO Class:			
RAO Class Desc:			

Status:	REPORT	**F Name:**	
Date:	11-Mar-2011	**L Name:**	
Action:	RNF		
Action Description:	Release Notification Form Received		
Status Description:	Reportable Release under MGL 21E		
RAO Class:			
RAO Class Desc:			

Status:	LEGNOT	**F Name:**	
Date:	28-Mar-2011	**L Name:**	
Action:	TCLASS		
Action Description:	Tier Classification		
Status Description:	Legal Notice Published		
RAO Class:			
RAO Class Desc:			

Status:	LNKVTC	**F Name:**	
Date:	21-Mar-2011	**L Name:**	
Action:	TCLASS		
Action Description:	Tier Classification		
Status Description:	RTN Linked to TCLASS Via Tier Classification Submittal		
RAO Class:			
RAO Class Desc:			

Status:	TIERII	**F Name:**	
Date:	21-Mar-2011	**L Name:**	
Action:	TCLASS		
Action Description:	Tier Classification		
Status Description:	Tier 2 Classification		
RAO Class:			
RAO Class Desc:			

Status:	RTCLSS	**F Name:**	
Date:	21-Mar-2011	**L Name:**	

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: RAONR
Action Description: RAO Not Required
Status Description: Linked to a Tier Classified Site
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID:
Current Status: RAONR
Current St Desc: RAO Not Required
Current Date: 21-Mar-2011
OFC Notification: 11-Mar-2011
Phase Desc:
RAO Class Desc:
Other Rela:
Category: 120 DY
Phase:
RAO Class:
OHM: Hazardous Material

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
17	2 of 3	WNW	0.62 / 3,279.21	155.81 / -25	DAIRY DOME 474 MAIN STREET STONEHAM MA	RELEASE

RTN: 3-0029919
Compliance Date: 6/13/2011
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 4/7/2011
Source: FILL, HISTORIC, SUSPECT
Reporting Category: TWO HR
Site (EEA Data): DAIRY DOME
Rel Add(EEA Data): 474 MAIN STREET
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0029919
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0029919
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase:
RAO Class:
Chemical Type: Hazardous Material
Location Type: COMMERCIAL
Site Name (BWSC): DAIRY DOME
Address (BWSC): 474 MAIN STREET
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-2628
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: ARSENIC
Amount: 52.9
Units: MG/KG

Action Information (BWSC)

Status: RAORCD
Date: 13-Jun-2011
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: FLDD1U
Date: 12-Apr-2011
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: FOLFLD
Date: 12-Apr-2011
Action: RLFA
F Name:
L Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class:
RAO Class Desc:

Status: REPORT
Date: 07-Apr-2011
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: APORAL
Date: 07-Apr-2011
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: ISSUED
Date: 13-Apr-2011
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class:
RAO Class Desc:
F Name:
L Name:

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 13-Jun-2011
OFC Notification: 07-Apr-2011
Phase Desc:
RAO Class Desc:
Other Rela:
Category: TWO HR
Phase:
RAO Class:
OHM: Hazardous Material

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
17	3 of 3	WNW	0.62 / 3,279.21	155.81 / -25	PRIVATE PROPERTY 474 MAIN ST STONEHAM MA	RELEASE

RTN: 3-0029127
Compliance Date: 6/13/2011
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 3/15/2010
Source: UST
Reporting Category: 72 HR
Site (EEA Data): PRIVATE PROPERTY
Rel Add(EEA Data): 474 MAIN ST
Town (EEA Data): STONEHAM
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0029127
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0029127
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase: PHASE II
RAO Class: A2
Chemical Type: Oil
Location Type: PRIVPROP
Site Name (BWSC): PRIVATE PROPERTY
Address (BWSC): 474 MAIN ST
Town (BWSC): STONEHAM
Zip Code (BWSC):
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 159
Units: PPMV

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Information (BWSC)

Status: APORMD ***F Name:***
Date: 28-Apr-2010 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of a Modified Plan
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***F Name:***
Date: 13-Jun-2011 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: LEGNOT ***F Name:***
Date: 28-Mar-2011 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Legal Notice Published
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT ***F Name:***
Date: 21-Mar-2011 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ASSESS ***F Name:***
Date: 15-Mar-2010 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: IRA Assessment Only
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***F Name:***
Date: 28-Feb-2011 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***F Name:***
Date: 31-Mar-2010 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: SOW ***F Name:***
Date: 21-Mar-2011 ***L Name:***
Action: PHASII
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: LNKVTC ***F Name:***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 21-Mar-2011 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: RTN Linked to TCLASS Via Tier Classification Submittal
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 14-May-2010 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT ***F Name:***
Date: 14-May-2010 ***L Name:***
Action: RNFE
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 15-Mar-2010 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII ***F Name:***
Date: 21-Mar-2011 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NON ***F Name:***
Date: 28-Jan-2011 ***L Name:***
Action: C&E
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: INTLET ***F Name:***
Date: 31-Mar-2010 ***L Name:***
Action: C&E
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD ***F Name:***
Date: 17-May-2010 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***F Name:***
Date: 21-Mar-2011 ***L Name:***
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR — **F Name:**
Date: 14-May-2010 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ALSENT — **F Name:**
Date: 14-Jan-2011 — **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF — **F Name:**
Date: 28-Apr-2010 — **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: 3-0029127 — **Category:** 72 HR
Current Status: RAO — **Phase:** PHASE II
Current St Desc: Response Action Outcome — **RAO Class:** A2
Current Date: 13-Jun-2011 — **OHM:** Oil
OFC Notification: 15-Mar-2010
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
18	1 of 1	NW	0.62 / 3,283.08	147.06 / -34	PROPERTY 28-34 PINE ST STONEHAM MA	RELEASE

RTN: 3-0002638 — **Phase:**
Compliance Date: 8/8/1996 — **RAO Class:**
Compliance Status: RAO — **Chemical Type:**
Compl Status Desc: Response Action Outcome — **Location Type:**
Notification Date: 1/15/1990 — **Site Name (BWSC):** PROPERTY
Source: — **Address (BWSC):** 28-34 PINE ST
Reporting Category: NONE — **Town (BWSC):** STONEHAM
Site (EEA Data): PROPERTY — **Zip Code (BWSC):** 02180
Rel Add(EEA Data): 28-34 PINE ST — **OFC Town (BWSC):** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0002638
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0002638
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: RAOEQ — **F Name:**
Date: 08-Aug-1996 — **L Name:**
Action: TREGS
Action Description:
Status Description:
RAO Class:
RAO Class Desc:

Status: DEPNDS — **F Name:**
Date: 10-Apr-1996 — **L Name:**
Action: TREGS
Action Description:
Status Description: Not a Disposal Site - DEP
RAO Class:
RAO Class Desc:

Status: TCTRNS — **F Name:**
Date: 15-Jan-1990 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID: — **Category:** NONE
Current Status: RAO — **Phase:**
Current St Desc: Response Action Outcome — **RAO Class:**
Current Date: 08-Aug-1996 — **OHM:**
OFC Notification: 15-Jan-1990
Phase Desc:
RAO Class Desc:
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	1 of 2	WSW	0.63 / 3,332.89	164.06 / -17	NO LOCATION AID NEAR 588 MAIN ST RTE 28 STONEHAM MA	RELEASE

RTN: 3-0016732 — **Phase:**
Compliance Date: 5/14/1998 — **RAO Class:** A1
Compliance Status: RAO — **Chemical Type:** Oil
Compl Status Desc: Response Action Outcome — **Location Type:** ROADWAY
Notification Date: 4/29/1998 — **Site Name (BWSC):** NO LOCATION AID
Source: TRANSFORM — **Address (BWSC):** NEAR 588 MAIN ST RTE 28
Reporting Category: TWO HR — **Town (BWSC):** STONEHAM
Site (EEA Data): NO LOCATION AID — **Zip Code (BWSC):** 02180-0000
Rel Add(EEA Data): NEAR 588 MAIN ST RTE 28 — **OFC Town (BWSC):** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0016732
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0016732
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: TRANSFORMER OIL
Amount: 20
Units: GAL

Chemical: MODF NON PCB
Amount: 50

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Units: GAL

Action Information (BWSC)

Status: REPORT — **F Name:**
Date: 29-Apr-1998 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD — **F Name:**
Date: 14-May-1998 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED — **F Name:**
Date: 17-Jun-1998 — **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: APORAL — **F Name:**
Date: 29-Apr-1998 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT — **F Name:**
Date: 14-May-1998 — **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: — **Category:** TWO HR
Current Status: RAO — **Phase:**
Current St Desc: Response Action Outcome — **RAO Class:** A1
Current Date: 14-May-1998 — **OHM:** Oil
OFC Notification: 29-Apr-1998
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

19	2 of 2	WSW	0.63 / 3,332.89	164.06 / -17	NSTAR UTILITY POLE NO 58 118A 588 MAIN ST STONEHAM MA	RELEASE

RTN: 3-0024261 — **Phase:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Date: 10/1/2004 — **RAO Class:** A1
Compliance Status: RAO — **Chemical Type:**
Compl Status Desc: Response Action Outcome — **Location Type:** COMMERCIAL, RESIDNTIAL
Notification Date: 9/24/2004 — **Site Name (BWSC):** NSTAR UTILITY POLE NO 58 118A
Source: TRANSFORM — **Address (BWSC):** 588 MAIN ST
Reporting Category: TWO HR — **Town (BWSC):** STONEHAM
Site (EEA Data): NSTAR UTILITY POLE NO 58 118A — **Zip Code (BWSC):** 02180-0000
Rel Add(EEA Data): 588 MAIN ST — **OFC Town (BWSC):** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0024261
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0024261
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: MODF
Amount: 55
Units: GAL

Chemical: MODF
Amount: 65
Units: GAL

Action Information (BWSC)

Status: ISSUED — **F Name:**
Date: 08-Oct-2004 — **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FOLOFF — **F Name:**
Date: 24-Sep-2004 — **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT — **F Name:**
Date: 24-Sep-2004 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD — **F Name:**
Date: 01-Oct-2004 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT — **F Name:**
Date: 01-Oct-2004 — **L Name:**

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	1 of 1	WNW	0.64 / 3,364.60	147.14 / -34	SPENCER ST 41 FRANKLIN ST STONEHAM MA	RELEASE

Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: APORAL ***F Name:***
Date: 24-Sep-2004 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A1
Current Date: 01-Oct-2004 ***OHM:***
OFC Notification: 24-Sep-2004
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

RTN: 3-0021637 ***Phase:***
Compliance Date: 4/9/2003 ***RAO Class:*** A2
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** COMMERCIAL
Notification Date: 3/3/2002 ***Site Name (BWSC):*** SPENCER ST
Source: UST ***Address (BWSC):*** 41 FRANKLIN ST
Reporting Category: 72 HR ***Town (BWSC):*** STONEHAM
Site (EEA Data): SPENCER ST ***Zip Code (BWSC):*** 02180-0000
Rel Add(EEA Data): 41 FRANKLIN ST ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0021637
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0021637
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Amount: 260
Units: MG/KG

Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Amount: 2200
Units: UG/L

Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Amount: 120
Units: MG/KG

Chemical: C9 THRU C12 ALIPHATIC HYDROCARBONS
Amount: 2000
Units: UG/L

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Chemical: GASOLINE
Amount: 180
Units: PPMV

Action Information (BWSC)

Status: RAORCD ***F Name:***
Date: 09-Apr-2003 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***F Name:***
Date: 09-Apr-2003 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***F Name:***
Date: 18-Apr-2002 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ASSESS ***F Name:***
Date: 03-Mar-2002 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: IRA Assessment Only
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC ***F Name:***
Date: 14-Apr-2003 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 03-Mar-2002 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 30-May-2002 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: ***Category:*** 72 HR
Current Status: RAO ***Phase:***

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Current St Desc: Response Action Outcome
Current Date: 09-Apr-2003
OFC Notification: 03-Mar-2002
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
RAO Class: A2
OHM: Oil

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21 | **1 of 1** | **WNW** | **0.64 / 3,375.65** | **147.14 / -34** | **NO LOCATION AID, 10-24 SPENCER ST, STONEHAM MA** | **RELEASE**

RTN: 3-0014959
Compliance Date: 6/25/1997
Compliance Status: DPS
Compl Status Desc: Downgradient Property Status
Notification Date: 3/28/1997
Source:
Reporting Category: 120 DY
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): 10-24 SPENCER ST
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0014959
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0014959
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class:
Chemical Type: Oil
Location Type:
Site Name (BWSC): NO LOCATION AID
Address (BWSC): 10-24 SPENCER ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: #6 FUEL OIL
Amount: 100
Units: MG/L

Action Information (BWSC)

Status: REPORT
Date: 28-Mar-1997
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: FEEREC
Date: 30-Jun-1997
Action: DPS
Action Description: Downgradient Property Status
Status Description: Fee Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: ISSUED
Date: 28-May-1997
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: RECPT
Date: 25-Jun-1997
F Name:
L Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: DPS
Action Description: Downgradient Property Status
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: REPORT
Date: 28-Mar-1997
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:
F Name:
L Name:

Release (BWSC) Detail

Prim ID:
Current Status: DPS
Current St Desc: Downgradient Property Status
Current Date: 25-Jun-1997
OFC Notification: 28-Mar-1997
Phase Desc:
RAO Class Desc:
Other Rela:
Category: 120 DY
Phase:
RAO Class:
OHM: Oil

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22 | **1 of 1** | **NW** | **0.64 / 3,387.41** | **146.98 / -34** | **NO LOCATION AID, 13 GOULD ST, STONEHAM MA** | **RELEASE**

RTN: 3-0015929
Compliance Date: 5/20/1998
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 1/15/1998
Source:
Reporting Category: 120 DY
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): 13 GOULD ST
Town (EEA Data): STONEHAM
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0015929
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0015929
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase: PHASE II
RAO Class: A2
Chemical Type: Oil and Hazardous Material
Location Type:
Site Name (BWSC): NO LOCATION AID
Address (BWSC): 13 GOULD ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: 2-METHYLNAPHTHALENE
Amount: 6.5
Units: MG/KG

Chemical: C9 THRU C18 ALIPHATIC HYDROCARBONS
Amount: 1700
Units: MG/KG

Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Amount: 750
Units: MG/KG

Action Information (BWSC)

Status: REPORT
Date: 15-Jan-1998
Action: REL
F Name:
L Name:

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Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 15-Jan-1998 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: AFUCS ***F Name:***
Date: 15-Oct-2002 ***L Name:***
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TERMIN ***F Name:***
Date: 21-Dec-2006 ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Action Status or AUL Terminated
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***F Name:***
Date: 20-May-1998 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: NOA ***F Name:***
Date: 27-Jul-1999 ***L Name:***
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***F Name:***
Date: 04-Jan-2000 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***F Name:***
Date: 21-Dec-2006 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REVRCD ***F Name:***
Date: 21-Dec-2006 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Revised Statement or Transmittal Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: TSAUD ***F Name:***
Date: 26-Mar-2002 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: LEGNOT ***F Name:***
Date: 15-Oct-2002 ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Legal Notice Published
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***F Name:***
Date: 20-May-1998 ***L Name:***
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: AMEND ***F Name:***
Date: 15-Oct-2002 ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Amendment Received or Issued (LLE or HLE)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: LEGNOT ***F Name:***
Date: 20-Dec-2006 ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Legal Notice Published
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT ***F Name:***
Date: 20-May-1998 ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR ***F Name:***
Date: 23-Aug-2006 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Current Status: RAO ***Category:*** 120 DY
Current St Desc: Response Action Outcome ***Phase:*** PHASE II
Current Date: 20-May-1998 ***RAO Class:*** A2
OFC Notification: 15-Jan-1998 ***OHM:*** Oil and Hazardous Material
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	1 of 2	WNW	0.65 / 3,410.96	150.05 / -31	GOODYEAR 456 MAIN ST STONEHAM MA	RELEASE

RTN: 3-0029480
Compliance Date: 10/19/2010
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 9/1/2010
Source: UNKNOWN
Reporting Category: 120 DY
Site (EEA Data): GOODYEAR
Rel Add(EEA Data): 456 MAIN ST
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0029480
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0029480
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class: A2
Chemical Type: Oil
Location Type: UNKNOWN
Site Name (BWSC): GOODYEAR
Address (BWSC): 456 MAIN ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Amount: 100
Units: MG/KG

Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Amount: 110
Units: MG/KG

Chemical: C19 THRU C36 ALIPHATIC HYDROCARBONS
Amount: 9700
Units: MG/KG

Action Information (BWSC)

Status: REPORT
Date: 01-Sep-2010
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Status: RAORCD
Date: 19-Oct-2010
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Status: ISSUED
Date: 22-Sep-2010
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Status: REPORT
Date: 01-Sep-2010
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
F Name:
L Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	2 of 2	WNW	0.65 / 3,410.96	150.05 / -31	GOODYEAR 456 MAIN ST STONEHAM MA	RELEASE

RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 19-Oct-2010
OFC Notification: 01-Sep-2010
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Category: 120 DY
Phase:
RAO Class: A2
OHM: Oil

RTN: 3-0030026
Compliance Date: 11/3/2011
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 5/24/2011
Source:
Reporting Category: 120 DY
Site (EEA Data): GOODYEAR
Rel Add(EEA Data): 456 MAIN ST
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0030026
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0030026
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class: B1
Chemical Type: Oil and Hazardous Material
Location Type:
Site Name (BWSC): GOODYEAR
Address (BWSC): 456 MAIN ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: METHYL TERT-BUTYL ETHER
Amount: 0.22
Units: MG/KG

Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Amount: 400
Units: MG/KG

Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Amount: 180
Units: MG/KG

Action Information (BWSC)

Status: REPORT
Date: 24-May-2011
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: B1
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.
F Name:
L Name:

Status: REPORT
Date: 24-May-2011
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: B1
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.
F Name:
L Name:

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Status: ISSUED — ***F Name:***
Date: 15-Jun-2011 — ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: B1
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.

Status: FEEREC — ***F Name:***
Date: 07-Nov-2011 — ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: B1
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.

Status: RECPT — ***F Name:***
Date: 24-May-2011 — ***L Name:***
Action: RNFE
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: B1
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.

Status: RAORCD — ***F Name:***
Date: 03-Nov-2011 — ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: B1
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.

Release (BWSC) Detail

Prim ID: — ***Category:*** 120 DY
Current Status: RAO — ***Phase:***
Current St Desc: Response Action Outcome — ***RAO Class:*** B1
Current Date: 03-Nov-2011 — ***OHM:*** Oil and Hazardous Material
OFC Notification: 24-May-2011
Phase Desc:
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.
Other Rela:

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24 | ***1 of 1*** | ***NNW*** | ***0.67 / 3,518.53*** | ***149.50 / -32*** | ***GOULD ST 41 PLEASANT ST STONEHAM MA*** | ***RELEASE***

RTN: 3-0016907 — ***Phase:*** PHASE II
Compliance Date: 8/13/2001 — ***RAO Class:*** A3
Compliance Status: RAO — ***Chemical Type:*** Oil and Hazardous Material
Compl Status Desc: Response Action Outcome — ***Location Type:***
Notification Date: 6/11/1998 — ***Site Name (BWSC):*** GOULD ST
Source: — ***Address (BWSC):*** 41 PLEASANT ST
Reporting Category: 120 DY — ***Town (BWSC):*** STONEHAM
Site (EEA Data): GOULD ST — ***Zip Code (BWSC):*** 02180-3823
Rel Add(EEA Data): 41 PLEASANT ST — ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0016907
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0016907
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Chemical Information (BWSC)

Chemical: PCE
Amount: 1.3
Units: PPM

Chemical: TPH
Amount: 1700
Units: PPM

Chemical: 1,4-DICHLOROBENZENE
Amount: 4.8
Units: PPM

Action Information (BWSC)

Status: NAFNVD — ***F Name:***
Date: 30-Jul-2008 — ***L Name:***
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RECPT — ***F Name:***
Date: 13-Aug-2001 — ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NOA — ***F Name:***
Date: 07-May-2008 — ***L Name:***
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: CSRCVD — ***F Name:***
Date: 18-Jun-1999 — ***L Name:***
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RAORCD — ***F Name:***
Date: 13-Aug-2001 — ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: ISSUED — ***F Name:***
Date: 08-Dec-1998 — ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and

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use Limitation (AUL) has been implemented.

Status: REPORT ***F Name:***
Date: 11-Jun-1998 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FLDRAN ***F Name:***
Date: 15-May-2008 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RECPT ***F Name:***
Date: 28-Jun-1999 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: REPORT ***F Name:***
Date: 11-Jun-1998 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TIERII ***F Name:***
Date: 28-Jun-1999 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release (BWSC) Detail

Prim ID: ***Category:*** 120 DY
Current Status: RAO ***Phase:*** PHASE II
Current St Desc: Response Action Outcome ***RAO Class:*** A3
Current Date: 13-Aug-2001 ***OHM:*** Oil and Hazardous Material
OFC Notification: 11-Jun-1998
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Other Rela:

25	1 of 1	WNW	0.68 / 3,613.82	148.60 / -33	FORMER UST SITE 426 MAIN ST STONEHAM MA	RELEASE

RTN: 3-0024579 ***Phase:***
Compliance Date: 1/18/2006 ***RAO Class:***
Compliance Status: RTN CLOSED ***Chemical Type:*** Hazardous Material
Compl Status Desc: Release Tracking Number Closed ***Location Type:***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Notification Date: 1/19/2005 ***Site Name (BWSC):*** FORMER UST SITE
Source: ***Address (BWSC):*** 426 MAIN ST
Reporting Category: 120 DY ***Town (BWSC):*** STONEHAM
Site (EEA Data): FORMER UST SITE ***Zip Code (BWSC):*** 02180-0000
Rel Add(EEA Data): 426 MAIN ST ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0024579
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0024579
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: BARIUM
Amount: 3500
Units: MG/KG

Chemical: LEAD
Amount: 750
Units: MG/KG

Chemical: ARSENIC
Amount: 62
Units: MG/KG

Chemical: CADMIUM
Amount: 52
Units: MG/KG

Action Information (BWSC)

Status: ISSUED ***F Name:***
Date: 11-Mar-2005 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class:
RAO Class Desc:

Status: T2EXT ***F Name:***
Date: 10-May-2006 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class:
RAO Class Desc:

Status: FEEREC ***F Name:***
Date: 19-Dec-2005 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Fee Received
RAO Class:
RAO Class Desc:

Status: REPORT ***F Name:***
Date: 19-Jan-2005 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: T2EXT ***F Name:***
Date: 17-May-2005 ***L Name:***

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Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class:
RAO Class Desc:

Status: PLANWR — ***F Name:***
Date: 19-Dec-2005 — ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:

Status: LEGNOT — ***F Name:***
Date: 30-Jul-1997 — ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Legal Notice Published
RAO Class:
RAO Class Desc:

Status: RTCLSS — ***F Name:***
Date: 18-Jan-2006 — ***L Name:***
Action: RAONR
Action Description: RAO Not Required
Status Description: Linked to a Tier Classified Site
RAO Class:
RAO Class Desc:

Status: REPORT — ***F Name:***
Date: 19-Jan-2005 — ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: T2EXT — ***F Name:***
Date: 03-Feb-2005 — ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class:
RAO Class Desc:

Status: T2TRAN — ***F Name:***
Date: 03-Feb-2005 — ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Transfer (retired)
RAO Class:
RAO Class Desc:

Status: LNKVTC — ***F Name:***
Date: 18-Jan-2006 — ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: RTN Linked to TCLASS Via Tier Classification Submittal
RAO Class:
RAO Class Desc:

Status: RECPT — ***F Name:***
Date: 18-Jul-1997 — ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: TIERII — ***F Name:***
Date: 18-Jul-1997 — ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class:
RAO Class Desc:

Status: ALSENT — ***F Name:***
Date: 09-Dec-2005 — ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class:
RAO Class Desc:

Status: CSRCVD — ***F Name:***
Date: 01-May-2006 — ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: PLANMD — ***F Name:***
Date: 27-Jan-2006 — ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Modified Revised or Updated Plan Received
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID:
Current Status: RAONR
Current St Desc: RAO Not Required
Current Date: 18-Jan-2006
OFC Notification: 19-Jan-2005
Phase Desc:
RAO Class Desc:
Other Rela:
Category: 120 DY
Phase:
RAO Class:
OHM: Hazardous Material

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26 — ***1 of 1*** — ***WNW*** — ***0.69 / 3,650.78*** — ***148.26 / -33*** — ***NO LOCATION AID 430 MAIN ST STONEHAM MA*** — ***RELEASE***

RTN: 3-0013994
Compliance Date: 6/28/2006
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 7/11/1996
Source:
Reporting Category: 120 DY
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): 430 MAIN ST
Town (EEA Data): STONEHAM
Phase Desc: Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives and the Remedial Action Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0013994
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0013994
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase: PHASE III
RAO Class: A3
Chemical Type: Oil
Location Type:
Site Name (BWSC): NO LOCATION AID
Address (BWSC): 430 MAIN ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Chemical Information (BWSC)

Chemical: TPH
Amount: 9100
Units: MG/KG

Action Information (BWSC)

Status: RECPT ***F Name:***
Date: 28-Jun-2006 ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: SOW ***F Name:***
Date: 03-Feb-2005 ***L Name:***
Action: PHASII
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RECPT ***F Name:***
Date: 18-Jul-1997 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: T2EXT ***F Name:***
Date: 17-May-2005 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: ISSUED ***F Name:***
Date: 24-Jul-1996 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: CSRCVD ***F Name:***
Date: 28-Jun-2006 ***L Name:***
Action: PHASII
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: REPORT ***F Name:***
Date: 11-Jul-1996 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: T2EXT ***F Name:***
Date: 10-May-2006 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TIERII ***F Name:***
Date: 18-Jul-1997 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: SNAUDI ***F Name:***
Date: 22-Dec-2006 ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: CSRCVD ***F Name:***
Date: 18-Jul-1997 ***L Name:***
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: CSRCVD ***F Name:***
Date: 01-May-2006 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: REPORT ***F Name:***
Date: 11-Jul-1996 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: CSRCVD ***F Name:***
Date: 24-Jan-2006 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NPERTN ***F Name:***
Date: 12-Oct-2005 ***L Name:***

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: URAM Notification of a Previously Existing RTN
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NON ***F Name:***
Date: 26-Jan-2006 ***L Name:***
Action: C&E
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: PLANMD ***F Name:***
Date: 27-Jan-2006 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Modified Revised or Updated Plan Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: T2TRAN ***F Name:***
Date: 03-Feb-2005 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Transfer (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NAFNVD ***F Name:***
Date: 29-Dec-2006 ***L Name:***
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: LEGNOT ***F Name:***
Date: 07-Jun-2006 ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Legal Notice Published
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: LNKVTC ***F Name:***
Date: 18-Jan-2006 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: RTN Linked to TCLASS Via Tier Classification Submittal
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NPERTN ***F Name:***
Date: 24-Jan-2006 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: URAM Notification of a Previously Existing RTN
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: T2EXT ***F Name:***
Date: 03-Feb-2005 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Extension (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TERMIN ***F Name:***
Date: 28-Jun-2006 ***L Name:***
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Action Status or AUL Terminated
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FEEREC ***F Name:***
Date: 19-Dec-2005 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Fee Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: PLANWR ***F Name:***
Date: 19-Dec-2005 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RAORCD ***F Name:***
Date: 28-Jun-2006 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: LEGNOT ***F Name:***
Date: 30-Jul-1997 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Legal Notice Published
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release (BWSC) Detail

Prim ID: 3-0013994 ***Category:*** 120 DY
Current Status: RAO ***Phase:*** PHASE III
Current St Desc: Response Action Outcome ***RAO Class:*** A3
Current Date: 28-Jun-2006 ***OHM:*** Oil
OFC Notification: 11-Jul-1996
Phase Desc: Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives and the Remedial Action Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Other Rela:

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
27	1 of 1	NNW	0.72 / 3,784.40	146.98 / -34	42 PLEASANT ST. 42 PLEASANT ST. STONEHAM MA	RELEASE

RTN: 3-0034060
Compliance Date: 8/25/2017
Compliance Status: PSNC
Compl Status Desc: Permanent Solution with No Conditions
Notification Date: 1/20/2017
Source: TANK, UNKNOWN, UST
Reporting Category: 120 DY
Site (EEA Data): 42 PLEASANT ST.
Rel Add(EEA Data): 42 PLEASANT ST.
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0034060
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0034060
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class: PN
Chemical Type: Oil
Location Type: RESIDNTIAL
Site Name (BWSC): 42 PLEASANT ST.
Address (BWSC): 42 PLEASANT ST.
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: C9 THRU C18 ALIPHATIC HYDROCARBONS
Amount: 11200
Units: MG/KG

Action Information (BWSC)

Status: PLANWR — **F Name:**
Date: 19-Apr-2017 — **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FEEREC — **F Name:**
Date: 31-Aug-2017 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD — **F Name:**
Date: 20-Apr-2017 — **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT — **F Name:**
Date: 20-Jan-2017 — **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT — **F Name:**
Date: 18-May-2017 — **L Name:**
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ISSUED — **F Name:**
Date: 06-Feb-2017 — **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PSNRCD — **F Name:**
Date: 25-Aug-2017 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with No Conditions
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT — **F Name:**
Date: 17-May-2017 — **L Name:**
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: SHPFAC — **F Name:**
Date: 21-Jun-2017 — **L Name:**
Action: BOL
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT — **F Name:**
Date: 20-Jan-2017 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FEEREC — **F Name:**
Date: 24-Apr-2017 — **L Name:**
Action: RAM
Action Description: Release Abatement Measure
Status Description: Fee Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT — **F Name:**
Date: 20-Jan-2017 — **L Name:**
Action: RNFE
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Release (BWSC) Detail

Prim ID:
Current Status: PSNC
Current St Desc: Permanent Solution with No Conditions
Current Date: 25-Aug-2017
OFC Notification: 20-Jan-2017
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions

Category: 120 DY
Phase:
RAO Class: PN
OHM: Oil

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Other Rela:						
28	1 of 1	WNW	0.72 / 3,810.22	145.38 / -36	NO LOCATION AID 10 TO 12 MAPLE ST STONEHAM MA	RELEASE

RTN: 3-0017308
Compliance Date: 11/20/1998
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 9/16/1998
Source: AST
Reporting Category: TWO HR
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): 10 TO 12 MAPLE ST
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0017308
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0017308
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class: A2
Chemical Type: Oil
Location Type: RESIDNTIAL, ROADWAY
Site Name (BWSC): NO LOCATION AID
Address (BWSC): 10 TO 12 MAPLE ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 5
Units: GAL

Chemical: FUEL OIL #2
Amount: 20
Units: GAL

Action Information (BWSC)

Status: ISSUED — **F Name:**
Date: 28-Sep-1998 — **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT — **F Name:**
Date: 16-Sep-1998 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN — **F Name:**
Date: 21-Sep-1998 — **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF — **F Name:**
Date: 17-Nov-1998 — **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: REPORT — **F Name:**
Date: 27-Oct-1998 — **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDD1U — **F Name:**
Date: 16-Sep-1998 — **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF — **F Name:**
Date: 17-Sep-1998 — **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDISS — **F Name:**
Date: 21-Sep-1998 — **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Field NOR Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF — **F Name:**
Date: 13-Oct-1998 — **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD — **F Name:**
Date: 20-Nov-1998 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 20-Nov-1998
OFC Notification: 16-Sep-1998
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Category: TWO HR
Phase:
RAO Class: A2
OHM: Oil

29	1 of 1	WSW	0.72 / 3,811.91	157.97 / -23	NO LOCATION AID 611 MAIN STREET STONEHAM MA	RELEASE

RTN: 3-0031203
Compliance Date: 12/13/2012
Compliance Status: RAO

Phase:
RAO Class: A2
Chemical Type:

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compl Status Desc: Response Action Outcome
Notification Date: 10/31/2012
Source: TRANSFORM
Reporting Category: TWO HR
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): 611 MAIN STREET
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0031203
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0031203
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Location Type: COMMERCIAL
Site Name (BWSC): NO LOCATION AID
Address (BWSC): 611 MAIN STREET
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: MODF
Amount: 10
Units: GAL

Chemical: MODF WITH PCBS >50PPM
Amount: 10
Units: GAL

Action Information (BWSC)

Status: REPORT — **F Name:**
Date: 13-Dec-2012 — **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT — **F Name:**
Date: 13-Dec-2012 — **L Name:**
Action: RNFE
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL — **F Name:**
Date: 31-Oct-2012 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD — **F Name:**
Date: 13-Dec-2012 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT — **F Name:**
Date: 31-Oct-2012 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED — **F Name:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 19-Nov-2012 — **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: — **Category:** TWO HR
Current Status: RAO — **Phase:**
Current St Desc: Response Action Outcome — **RAO Class:** A2
Current Date: 13-Dec-2012 — **OHM:**
OFC Notification: 31-Oct-2012
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

30 | **1 of 1** | **WSW** | **0.74 / 3,899.56** | **157.97 / -23** | **MOBIL SERVICE STA # 12575, 2 SOUTH ST, STONEHAM MA** | **RELEASE**

RTN: 3-0026532 — **Phase:**
Compliance Date: 1/12/2007 — **RAO Class:** B1
Compliance Status: RAO — **Chemical Type:** Hazardous Material
Compl Status Desc: Response Action Outcome — **Location Type:**
Notification Date: 1/12/2007 — **Site Name (BWSC):** MOBIL SERVICE STA # 12575
Source: — **Address (BWSC):** 2 SOUTH ST
Reporting Category: 120 DY — **Town (BWSC):** STONEHAM
Site (EEA Data): MOBIL SERVICE STA # 12575 — **Zip Code (BWSC):** 02180-0000
Rel Add(EEA Data): 2 SOUTH ST — **OFC Town (BWSC):** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0026532
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0026532
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: BERYLLIUM
Amount: 1.3
Units: MG/KG

Action Information (BWSC)

Status: REPORT — **F Name:**
Date: 12-Jan-2007 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: B1
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.

Status: REPORT — **F Name:**
Date: 12-Jan-2007 — **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: B1
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.

Status: RAORCD — **F Name:**
Date: 12-Jan-2007 — **L Name:**

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: B1
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 12-Jan-2007
OFC Notification: 12-Jan-2007
Phase Desc:
RAO Class Desc: Remedial actions have not been conducted because a level of No Significant Risk exists.
Other Rela:
Category: 120 DY
Phase:
RAO Class: B1
OHM: Hazardous Material

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	1 of 1	NW	0.75 / 3,962.66	152.65 / -29	TOWN HALL 35 CENTRAL ST STONEHAM MA	RELEASE

RTN: 3-0017153
Compliance Date: 10/13/1998
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 8/13/1998
Source: UST
Reporting Category: 72 HR
Site (EEA Data): TOWN HALL
Rel Add(EEA Data): 35 CENTRAL ST
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0017153
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0017153
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase:
RAO Class: A2
Chemical Type: Oil
Location Type: MUNICIPAL
Site Name (BWSC): TOWN HALL
Address (BWSC): 35 CENTRAL ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 120
Units: PPMV

Chemical: FUEL OIL #2
Amount: 120
Units: PPMV

Action Information (BWSC)

Status: APORAL
Date: 13-Aug-1998
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Status: ISSUED
Date: 25-Sep-1998
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: RAORCD
Date: 13-Oct-1998
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Status: REPORT
Date: 13-Aug-1998
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Status: REPORT
Date: 24-Aug-1998
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
F Name:
L Name:

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 13-Oct-1998
OFC Notification: 13-Aug-1998
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: 72 HR
Phase:
RAO Class: A2
OHM: Oil

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	1 of 1	W	0.77 / 4,047.22	179.89 / -1	PROPERTY 5 SOUTH HILLSIDE ST STONEHAM MA	RELEASE

RTN: 3-0006008
Compliance Date: 1/23/1996
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 1/20/1994
Source: AST, PIPE
Reporting Category: NONE
Site (EEA Data): PROPERTY
Rel Add(EEA Data): 5 SOUTH HILLSIDE ST
Town (EEA Data): STONEHAM
Phase Desc: Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives and the Remedial Action Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0006008
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0006008
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase: PHASE III
RAO Class: A2
Chemical Type:
Location Type: RESIDNTIAL
Site Name (BWSC): PROPERTY
Address (BWSC): 5 SOUTH HILLSIDE ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: CSRCVD ***F Name:***
Date: 23-Jan-1996 ***L Name:***
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TCTRNS ***F Name:***
Date: 20-Jan-1994 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***F Name:***
Date: 23-Jan-1996 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***F Name:***
Date: 20-Jan-1994 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***F Name:***
Date: 23-Jan-1996 ***L Name:***
Action: PHASII
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***F Name:***
Date: 23-Jan-1996 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: INTLET ***F Name:***
Date: 20-Jan-1994 ***L Name:***
Action: C&E
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: ***Category:*** NONE
Current Status: RAO ***Phase:*** PHASE III
Current St Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 23-Jan-1996 ***OHM:***
OFC Notification: 20-Jan-1994
Phase Desc: Identification, Evaluation and Selection of Comprehensive Remedial Action Alternatives and the Remedial Action Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
33	1 of 1	SE	0.77 / 4,068.98	153.74 / -27	NO LOCATION AID 58 NEWCOMB RD STONEHAM MA	RELEASE

RTN: 3-0017144 ***Phase:*** PHASE II
Compliance Date: 6/26/2000 ***RAO Class:*** A2
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** RESIDNTIAL
Notification Date: 8/12/1998 ***Site Name (BWSC):*** NO LOCATION AID
Source: UST ***Address (BWSC):*** 58 NEWCOMB RD
Reporting Category: 72 HR ***Town (BWSC):*** STONEHAM
Site (EEA Data): NO LOCATION AID ***Zip Code (BWSC):*** 02180-0000
Rel Add(EEA Data): 58 NEWCOMB RD ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0017144
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0017144
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: FUEL OIL #2
Amount: 300
Units: GAL

Chemical: #2 FUEL OIL
Amount:
Units:

Action Information (BWSC)

Status: APORAL ***F Name:***
Date: 28-Aug-1998 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR ***F Name:***
Date: 08-Feb-1999 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 13-Oct-1999 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD ***F Name:***
Date: 26-Jun-2000 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: REPORT ***F Name:***
Date: 12-Aug-1998 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***F Name:***
Date: 28-Aug-1998 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT ***F Name:***
Date: 19-Aug-1999 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII ***F Name:***
Date: 19-Aug-1999 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: INTLET ***F Name:***
Date: 24-Feb-1999 ***L Name:***
Action: C&E
Action Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD ***F Name:***
Date: 19-Aug-1999 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***F Name:***
Date: 26-Jun-2000 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***F Name:***
Date: 19-Jan-1999 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***F Name:***
Date: 19-Aug-1999 ***L Name:***
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 24-Sep-1998 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD ***F Name:***
Date: 08-Apr-1999 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***F Name:***
Date: 26-Jun-2000 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANMD ***F Name:***
Date: 26-Mar-1999 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD ***F Name:***
Date: 01-Feb-2000 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***F Name:***
Date: 22-Feb-1999 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: DNWRIT ***F Name:***
Date: 24-Feb-1999 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Denial of Plan or Release Retraction
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***F Name:***
Date: 15-Sep-1998 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Prim ID: **Category:** 72 HR
Current Status: RAO **Phase:** PHASE II
Current St Desc: Response Action Outcome **RAO Class:** A2
Current Date: 26-Jun-2000 **OHM:** Oil
OFC Notification: 12-Aug-1998
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

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34 **1 of 1** **ESE** **0.80 / 4,215.39** **92.14 / -89** **NO LOCATION AID**
9 WARREN STREET
MELROSE MA **RELEASE**

RTN: 3-0034084 **Phase:**
Compliance Date: 10/11/2017 **RAO Class:** PN
Compliance Status: PSNC **Chemical Type:** Oil
Compl Status Desc: Permanent Solution with No Conditions **Location Type:** RESIDNTIAL
Notification Date: 2/3/2017 **Site Name (BWSC):** NO LOCATION AID
Source: TANK, UST **Address (BWSC):** 9 WARREN STREET
Reporting Category: 72 HR **Town (BWSC):** MELROSE
Site (EEA Data): NO LOCATION AID **Zip Code (BWSC):** 02176-0000
Rel Add(EEA Data): 9 WARREN STREET **OFC Town (BWSC):** MELROSE
Town (EEA Data): MELROSE
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0034084
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0034084
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL VOCS
Amount: 154
Units: PPMV

Action Information (BWSC)

Status: ISSUED **F Name:**
Date: 02-Mar-2017 **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD **F Name:**
Date: 11-Oct-2017 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: APORAL **F Name:**
Date: 03-Feb-2017 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: SHPFAC **F Name:**
Date: 11-Oct-2017 **L Name:**
Action: BOL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD **F Name:**
Date: 09-Jan-2019 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PSNRCD **F Name:**
Date: 11-Oct-2017 **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with No Conditions
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **F Name:**
Date: 03-Feb-2017 **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT **F Name:**
Date: 22-Sep-2017 **L Name:**
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FEEREC **F Name:**
Date: 16-Oct-2017 **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT **F Name:**
Date: 22-Sep-2017 **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT **F Name:**
Date: 22-Sep-2017 **L Name:**
Action: RNFE
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Release (BWSC) Detail

Prim ID: **Category:** 72 HR
Current Status: PSNC **Phase:**
Current St Desc: Permanent Solution with No Conditions **RAO Class:** PN
Current Date: 11-Oct-2017 **OHM:** Oil
OFC Notification: 03-Feb-2017

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
35	1 of 1	NW	0.83 / 4,387.86	146.25 / -35	PROPERTY 5 PLEASANT ST STONEHAM MA	RELEASE

Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Other Rela:

RTN: 3-0003931
Compliance Date: 8/8/1997
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 4/15/1992
Source: UNKNOWN
Reporting Category: NONE
Site (EEA Data): PROPERTY
Rel Add(EEA Data): 5 PLEASANT ST
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0003931
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0003931
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class:
Chemical Type:
Location Type: COMMERCIAL, FORMER
Site Name (BWSC): PROPERTY
Address (BWSC): 5 PLEASANT ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Status: TCTRNS
Date: 15-Apr-1992
Action: REL
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class:
RAO Class Desc:

F Name:
L Name:

Status: RAOEQ
Date: 08-Aug-1997
Action: TREGS
Action Description:
Status Description:
RAO Class:
RAO Class Desc:

F Name:
L Name:

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 08-Aug-1997
OFC Notification: 15-Apr-1992
Phase Desc:
RAO Class Desc:
Other Rela:

Category: NONE
Phase:
RAO Class:
OHM:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
36	1 of 2	NW	0.85 / 4,466.00	146.54 / -35	PLEASANT STREET 308 MAIN ST STONEHAM MA	RELEASE

RTN: 3-0013365
Compliance Date: 1/14/1997
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 1/24/1996
Source:
Reporting Category: 120 DY
Site (EEA Data): PLEASANT STREET
Rel Add(EEA Data): 308 MAIN ST
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0013365
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0013365
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class: A3
Chemical Type: Oil
Location Type:
Site Name (BWSC): PLEASANT STREET
Address (BWSC): 308 MAIN ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: TPH
Amount: 3000
Units: MG/KG

Action Information (BWSC)

Status: TSAUD
Date: 17-Oct-2001
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

F Name:
L Name:

Status: NAFNVD
Date: 29-Dec-2006
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

F Name:
L Name:

Status: RAORCD
Date: 14-Jan-1997
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

F Name:
L Name:

Status: REPORT
Date: 24-Jan-1996
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

F Name:
L Name:

Status: RECPT
Date: 14-Jan-1997
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Transmittal, Notice, or Notification Received

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RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: REPORT — **F Name:**
Date: 24-Jan-1996 — **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NOA — **F Name:**
Date: 10-May-1999 — **L Name:**
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FEEREC — **F Name:**
Date: 14-Jan-1997 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NAFNVD — **F Name:**
Date: 17-Oct-2001 — **L Name:**
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: SNAUDI — **F Name:**
Date: 22-Dec-2006 — **L Name:**
Action: AUL
Action Description: Activity and Use Limitation
Status Description: Level II - Audit Inspection
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: ISSUED — **F Name:**
Date: 13-Feb-1996 — **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 14-Jan-1997
OFC Notification: 24-Jan-1996
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Category: 120 DY
Phase:
RAO Class: A3
OHM: Oil

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Other Rela:

36 — **2 of 2** — **NW** — **0.85 / 4,466.00** — **146.54 / -35**

SHELL SERVICE STATION
308 MAIN ST
STONEHAM MA

RELEASE

RTN: 3-0003128
Compliance Date: 9/18/1996
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 10/1/1993
Source: UST
Reporting Category: NONE
Site (EEA Data): SHELL SERVICE STATION
Rel Add(EEA Data): 308 MAIN ST
Town (EEA Data): STONEHAM
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0003128
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0003128
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase: PHASE II
RAO Class: A3
Chemical Type:
Location Type: GASSTATION
Site Name (BWSC): SHELL SERVICE STATION
Address (BWSC): 308 MAIN ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: UNKNOWN
Amount:
Units:

Action Information (BWSC)

Status: LSPFA — **F Name:**
Date: 02-May-1995 — **L Name:**
Action: TREGS
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TIERII — **F Name:**
Date: 03-May-1995 — **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: INTLET — **F Name:**
Date: 06-May-1994 — **L Name:**
Action: C&E
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: CSRCVD — **F Name:**
Date: 03-May-1995 — **L Name:**
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and

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use Limitation (AUL) has been implemented.

Status: ISSUED — **F Name:**
Date: 06-May-1994 — **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TCTRNS — **F Name:**
Date: 01-Oct-1993 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RECPT — **F Name:**
Date: 03-May-1995 — **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NOA — **F Name:**
Date: 10-May-1999 — **L Name:**
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: RAORCD — **F Name:**
Date: 18-Sep-1996 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NAFNVD — **F Name:**
Date: 17-Oct-2001 — **L Name:**
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NAFNVD — **F Name:**
Date: 29-Dec-2006 — **L Name:**
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: TSAUD — **F Name:**
Date: 17-Oct-2001 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Description: Level I - Technical Screen Audit
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: NOA — **F Name:**
Date: 20-Apr-1999 — **L Name:**
Action: AUDCOM
Action Description:
Status Description:
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Status: FLDRUN — **F Name:**
Date: 02-Nov-1999 — **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A3
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release (BWSC) Detail

Prim ID:
Current Status: RAO — **Category:** NONE
Current St Desc: Response Action Outcome — **Phase:** PHASE II
Current Date: 18-Sep-1996 — **RAO Class:** A3
OFC Notification: 01-Oct-1993 — **OHM:**
Phase Desc: Comprehensive Site Assessment
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Other Rela:

37	1 of 1	NE	0.85 / 4,498.01	182.87 / 2	RESIDENCE 1 WHITTEMORE LANE STONEHAM MA	RELEASE

RTN: 3-0035585 — **Phase:** PHASE II
Compliance Date: 4/27/2020 — **RAO Class:**
Compliance Status: TIER 2 — **Chemical Type:** Oil
Compl Status Desc: Tier 2 — **Location Type:** RESIDNTIAL
Notification Date: 4/22/2019 — **Site Name (BWSC):** RESIDENCE
Source: AST, FUELTANK — **Address (BWSC):** 1 WHITTEMORE LANE
Reporting Category: TWO HR — **Town (BWSC):** STONEHAM
Site (EEA Data): RESIDENCE — **Zip Code (BWSC):**
Rel Add(EEA Data): 1 WHITTEMORE LANE — **OFC Town (BWSC):** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc: Comprehensive Site Assessment
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0035585
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0035585
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: FUEL OIL #2
Amount: 100
Units: GAL

Action Information (BWSC)

Status: APORAL — **F Name:**

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 22-Apr-2019 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class:
RAO Class Desc:

Status: ALSENT **F Name:**
Date: 25-Feb-2020 **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class:
RAO Class Desc:

Status: FOLOFF **F Name:**
Date: 04-Jun-2019 **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class:
RAO Class Desc:

Status: CSRCVD **F Name:**
Date: 27-Apr-2020 **L Name:**
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: REPORT **F Name:**
Date: 22-Apr-2019 **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: TSAUD **F Name:**
Date: 22-Nov-2019 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class:
RAO Class Desc:

Status: FLDD1U **F Name:**
Date: 23-Apr-2019 **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Unannounced
RAO Class:
RAO Class Desc:

Status: RECPT **F Name:**
Date: 21-Jun-2019 **L Name:**
Action: RNFE
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: TIERII **F Name:**
Date: 27-Apr-2020 **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class Desc:

Status: RECPT **F Name:**
Date: 13-Aug-2019 **L Name:**
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: PLANWR **F Name:**
Date: 21-Jun-2019 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:

Status: RMRINI **F Name:**
Date: 27-Apr-2020 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: RMR Initial Report Received
RAO Class:
RAO Class Desc:

Status: FLDRAN **F Name:**
Date: 15-Aug-2019 **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class:
RAO Class Desc:

Status: TSAUD **F Name:**
Date: 26-Aug-2019 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Level I - Technical Screen Audit
RAO Class:
RAO Class Desc:

Status: STRCVD **F Name:**
Date: 23-Aug-2019 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Status: LEGNOT **F Name:**
Date: 05-May-2020 **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Legal Notice Published
RAO Class:
RAO Class Desc:

Status: RECPT **F Name:**
Date: 27-Apr-2020 **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: SHPFAC **F Name:**
Date: 29-Oct-2019 **L Name:**
Action: BOL

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class:
RAO Class Desc:

Status: CSRCVD — ***F Name:***
Date: 27-Apr-2020 — ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: PLANMD — ***F Name:***
Date: 19-Nov-2019 — ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class:
RAO Class Desc:

Status: ISSUED — ***F Name:***
Date: 26-Apr-2019 — ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class:
RAO Class Desc:

Status: REPORT — ***F Name:***
Date: 21-Jun-2019 — ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID: — ***Category:*** TWO HR
Current Status: TIERII — ***Phase:*** PHASE II
Current St Desc: Tier 2 Classification — ***RAO Class:***
Current Date: 27-Apr-2020 — ***OHM:*** Oil
OFC Notification: 22-Apr-2019
Phase Desc: Comprehensive Site Assessment
RAO Class Desc:
Other Rela:

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38 | ***1 of 1*** | ***NW*** | ***0.86 / 4,522.50*** | ***144.87 / -36*** | ***HONG KONG CITY RESTAURANT 303 MAIN ST STONEHAM MA*** | ***RELEASE***

RTN: 3-0010063 — ***Phase:***
Compliance Date: 12/15/1993 — ***RAO Class:***
Compliance Status: RAO — ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome — ***Location Type:*** COMMERCIAL
Notification Date: 10/15/1993 — ***Site Name (BWSC):*** HONG KONG CITY RESTAURANT
Source: AST — ***Address (BWSC):*** 303 MAIN ST
Reporting Category: TWO HR — ***Town (BWSC):*** STONEHAM
Site (EEA Data): HONG KONG CITY RESTAURANT — ***Zip Code (BWSC):*** 02180
Rel Add(EEA Data): 303 MAIN ST — ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0010063
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0010063
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

(BWSC)

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 100
Units: GAL

Chemical: #2 FUEL OIL
Amount:
Units:

Action Information (BWSC)

Status: APORAL — ***F Name:***
Date: 15-Oct-1993 — ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class:
RAO Class Desc:

Status: REPORT — ***F Name:***
Date: 15-Oct-1993 — ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: FOLFLD — ***F Name:***
Date: 22-Oct-1993 — ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class:
RAO Class Desc:

Status: RAORCD — ***F Name:***
Date: 15-Dec-1993 — ***L Name:***
Action: RAO-D
Action Description: RAO - DEP Lead
Status Description: RAO Statement Received (retired)
RAO Class:
RAO Class Desc:

Status: REPORT — ***F Name:***
Date: 02-Nov-1993 — ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: FOLFLD — ***F Name:***
Date: 30-Nov-1993 — ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class:
RAO Class Desc:

Status: ISSUED — ***F Name:***
Date: 15-Oct-1993 — ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 15-Dec-1993
OFC Notification: 15-Oct-1993
Phase Desc:
RAO Class Desc:
Other Rela:
Category: TWO HR
Phase:
RAO Class:
OHM: Oil

39	1 of 1	N	0.93 / 4,898.40	173.85 / -7	NO LOCATION AID 8 PARKER CHASE RD STONEHAM MA	RELEASE

RTN: 3-0017553
Compliance Date: 12/7/1999
Compliance Status: RTN CLOSED
Compl Status Desc: Release Tracking Number Closed
Notification Date: 11/10/1998
Source: UST
Reporting Category: 72 HR
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): 8 PARKER CHASE RD
Town (EEA Data): STONEHAM
Phase Desc: Comprehensive Site Assessment
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0017553
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0017553
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase: PHASE II
RAO Class:
Chemical Type: Oil
Location Type: RESIDNTIAL
Site Name (BWSC): NO LOCATION AID
Address (BWSC): 8 PARKER CHASE RD
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: FUEL OIL #2
Amount:
Units:

Chemical: #2 FUEL OIL
Amount:
Units:

Action Information (BWSC)

Status: STRCVD
Date: 05-Nov-1999
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: STRCVD
Date: 01-Dec-2003
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: RTCLSS
Date: 07-Dec-1999
F Name:
L Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: RAONR
Action Description: RAO Not Required
Status Description: Linked to a Tier Classified Site
RAO Class:
RAO Class Desc:

Status: STRCVD
Date: 21-May-2001
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: ASSESS
Date: 10-Nov-1998
Action: IRA
Action Description: Immediate Response Action
Status Description: IRA Assessment Only
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: PLANMD
Date: 05-Nov-1999
Action: IRA
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: RECPT
Date: 07-Dec-1999
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: INTLET
Date: 31-Dec-1998
Action: C&E
Action Description:
Status Description:
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: STRCVD
Date: 05-Jun-2003
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: STRCVD
Date: 13-Jul-1999
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: TIERII
Date: 07-Dec-1999
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class:
RAO Class Desc:
F Name:
L Name:

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: CSRCVD
Date: 22-Jun-2004
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: STRCVD
Date: 17-Nov-2000
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: STRCVD
Date: 29-Nov-2001
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: PLANWR
Date: 18-Feb-1999
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: STRCVD
Date: 27-Dec-2002
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: ISSUED
Date: 31-Dec-1998
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: CSRCVD
Date: 19-Nov-1999
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: REPORT
Date: 18-Feb-1999
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: LNKVTC
Date: 07-Dec-1999
Action: TCLASS
Action Description: Tier Classification
F Name:
L Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Description: RTN Linked to TCLASS Via Tier Classification Submittal
RAO Class:
RAO Class Desc:

Status: PLANMD
Date: 08-May-2000
Action: IRA
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: STRCVD
Date: 30-May-2002
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:
F Name:
L Name:

Status: REPORT
Date: 10-Nov-1998
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:
F Name:
L Name:

Release (BWSC) Detail

Prim ID:
Current Status: RAONR
Current St Desc: RAO Not Required
Current Date: 07-Dec-1999
OFC Notification: 10-Nov-1998
Phase Desc: Comprehensive Site Assessment
RAO Class Desc:
Other Rela:
Category: 72 HR
Phase: PHASE II
RAO Class:
OHM: Oil

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
40	1 of 1	N	0.93 / 4,911.71	174.17 / -7	STONEHAM HOUSING AUTHORITY 15 PARKER CHASE RD STONEHAM MA	RELEASE

RTN: 3-0013660
Compliance Date: 6/13/1996
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 4/13/1996
Source: PIPE
Reporting Category: TWO HR
Site (EEA Data): STONEHAM HOUSING AUTHORITY
Rel Add(EEA Data): 15 PARKER CHASE RD
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0013660
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0013660
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase:
RAO Class: A2
Chemical Type: Oil
Location Type: MUNICIPAL, RESIDNTIAL
Site Name (BWSC): STONEHAM HOUSING AUTHORITY
Address (BWSC): 15 PARKER CHASE RD
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 30
Units: GAL

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Information (BWSC)

Status: APORAL ***F Name:***
Date: 13-Apr-1996 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL ***F Name:***
Date: 19-Apr-1996 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***F Name:***
Date: 13-Apr-1996 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***F Name:***
Date: 13-Jun-1996 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 13-Apr-1996 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 19-Apr-1996 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 13-Jun-1996 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***F Name:***
Date: 23-Apr-1996 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date: 26-Apr-1996 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***F Name:***
Date: 19-Apr-1996 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLFLD ***F Name:***
Date: 13-Apr-1996 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 13-Jun-1996 ***OHM:*** Oil
OFC Notification: 13-Apr-1996
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

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41 ***1 of 1*** ***N*** ***0.93 / 4,918.04*** ***173.85 / -7*** ***NO LOCATION AID 7 PARKER CHASE RD STONEHAM MA*** ***RELEASE***

RTN: 3-0017551 ***Phase:*** PHASE IV
Compliance Date: 6/22/2004 ***RAO Class:*** A2
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** RESIDNTIAL
Notification Date: 11/10/1998 ***Site Name (BWSC):*** NO LOCATION AID
Source: UST ***Address (BWSC):*** 7 PARKER CHASE RD
Reporting Category: 72 HR ***Town (BWSC):*** STONEHAM
Site (EEA Data): NO LOCATION AID ***Zip Code (BWSC):*** 02180-0000
Rel Add(EEA Data): 7 PARKER CHASE RD ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0017551
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0017551
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: FUEL OIL #2
Amount:
Units:

Action Information (BWSC)

Status: CSRCVD ***F Name:***
Date: 22-Jun-2004 ***L Name:***

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Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **F Name:**
Date: 05-Jun-2003 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **F Name:**
Date: 13-Jul-1999 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **F Name:**
Date: 05-Nov-1999 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **F Name:**
Date: 01-Dec-2003 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **F Name:**
Date: 27-Dec-2002 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT **F Name:**
Date: 10-Nov-1998 **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR **F Name:**
Date: 18-Feb-1999 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **F Name:**
Date: 29-Nov-2001 **L Name:**
Action: PHSIII
Action Description: Phase 3
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: INTLET **F Name:**
Date: 07-May-1999 **L Name:**
Action: C&E
Action Description:
Status Description:
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ASSESS **F Name:**
Date: 10-Nov-1998 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: IRA Assessment Only
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TIERII **F Name:**
Date: 07-Dec-1999 **L Name:**
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 2 Classification
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANMD **F Name:**
Date: 05-Nov-1999 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **F Name:**
Date: 17-Nov-2000 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD **F Name:**
Date: 29-Nov-2001 **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED **F Name:**
Date: 07-May-1999 **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **F Name:**
Date: 19-Nov-1999 **L Name:**
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD **F Name:**
Date: 29-Nov-2001 **L Name:**
Action: PHASII
Action Description: Phase 2

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: SOW ***F Name:***
Date: 29-Nov-2001 ***L Name:***
Action: PHASII
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANMD ***F Name:***
Date: 08-May-2000 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Modified Revised or Updated Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD ***F Name:***
Date: 30-May-2002 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT ***F Name:***
Date: 07-Dec-1999 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD ***F Name:***
Date: 21-May-2001 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***F Name:***
Date: 22-Jun-2004 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: LNKVTC ***F Name:***
Date: 07-Dec-1999 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: RTN Linked to TCLASS Via Tier Classification Submittal
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: 3-0017551 ***Category:*** 72 HR
Current Status: RAO ***Phase:*** PHASE IV
Current St Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 22-Jun-2004 ***OHM:*** Oil
OFC Notification: 10-Nov-1998
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

42	1 of 1	NW	0.94 / 4,950.62	110.51 / -71	NO LOCATION AID NEAR 69 WRIGHT ST STONEHAM MA	RELEASE

RTN: 3-0026571
Compliance Date: 2/8/2007
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 2/3/2007
Source: BUCKET, LINE, TRUCK
Reporting Category: TWO HR
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): NEAR 69 WRIGHT ST
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0026571
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0026571
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class: A1
Chemical Type:
Location Type: ROADWAY
Site Name (BWSC): NO LOCATION AID
Address (BWSC): NEAR 69 WRIGHT ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: MODF
Amount: 30
Units: GAL

Chemical: HYDRAULIC OIL
Amount: 30
Units: GAL

Action Information (BWSC)

Status: APORAL ***F Name:***
Date: 03-Feb-2007 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD ***F Name:***
Date: 08-Feb-2007 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 03-Feb-2007 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 08-Feb-2007 ***L Name:***

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43	1 of 1	NW	0.94 / 4,973.59	140.41 / -41	RESIDENCE 94 WILLIAMS ST STONEHAM MA	RELEASE

Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FOLOFF
Date: 03-Feb-2007
Action: RLFA
F Name:
L Name:
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 08-Feb-2007
OFC Notification: 03-Feb-2007
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:
Category: TWO HR
Phase:
RAO Class: A1
OHM:

RTN: 3-0028783
Compliance Date: 2/11/2010
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 10/8/2009
Source: AST, LINE
Reporting Category: 72 HR
Site (EEA Data): RESIDENCE
Rel Add(EEA Data): 94 WILLIAMS ST
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0028783
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0028783
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase:
RAO Class: A2
Chemical Type: Oil
Location Type: RESIDNTIAL
Site Name (BWSC): RESIDENCE
Address (BWSC): 94 WILLIAMS ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-2022
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 300
Units: PPMV

Action Information (BWSC)

Status: RAORCD
Date: 11-Feb-2010
Action: RAO
F Name:
L Name:
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: FOLOFF
Date: 06-Nov-2009
Action: RLFA
F Name:
L Name:
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF
Date: 13-Nov-2009
Action: RLFA
F Name:
L Name:
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDD1A
Date: 21-Oct-2009
Action: RLFA
F Name:
L Name:
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN
Date: 11-Dec-2009
Action: RLFA
F Name:
L Name:
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRAN
Date: 15-Dec-2009
Action: RLFA
F Name:
L Name:
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Announced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT
Date: 17-Nov-2009
Action: RNF
F Name:
L Name:
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APWRIT
Date: 22-Dec-2009
Action: IRA
F Name:
L Name:
Action Description: Immediate Response Action
Status Description: Written Approval of Plan
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR
Date: 02-Dec-2009
Action: IRA
F Name:
L Name:
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RECPT
Date: 17-Nov-2009
Action: RNFE
F Name:
L Name:
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED — **F Name:**
Date: 20-Oct-2009 — **L Name:**
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT — **F Name:**
Date: 08-Oct-2009 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDRUN — **F Name:**
Date: 05-Jan-2010 — **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF — **F Name:**
Date: 02-Nov-2009 — **L Name:**
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL — **F Name:**
Date: 08-Oct-2009 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: TSAUD — **F Name:**
Date: 13-Jun-2011 — **L Name:**
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Level I - Technical Screen Audit
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 11-Feb-2010
OFC Notification: 08-Oct-2009
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:
Category: 72 HR
Phase:
RAO Class: A2
OHM: Oil

44	1 of 1	E	0.97 / 5,145.08	101.42 / -80	GREENWOOD 52 SPRING ST WAKEFIELD MA	RELEASE

RTN: 3-0019139 — **Phase:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Compliance Date: 6/8/2000
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 1/4/2000
Source: UST
Reporting Category: TWO HR
Site (EEA Data): GREENWOOD
Rel Add(EEA Data): 52 SPRING ST
Town (EEA Data): WAKEFIELD
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0019139
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0019139
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
RAO Class: A2
Chemical Type: Oil
Location Type: RESIDNTIAL
Site Name (BWSC): GREENWOOD
Address (BWSC): 52 SPRING ST
Town (BWSC): WAKEFIELD
Zip Code (BWSC): 01880-0000
OFC Town (BWSC): WAKEFIELD

Chemical Information (BWSC)

Chemical: FUEL OIL #2
Amount:
Units:

Chemical: #2 FUEL OIL
Amount: 225
Units: GAL

Action Information (BWSC)

Status: PLANWR — **F Name:**
Date: 14-Feb-2000 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT — **F Name:**
Date: 04-Jan-2000 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APWRIT — **F Name:**
Date: 29-Mar-2000 — **L Name:**
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Approval of Plan
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT — **F Name:**
Date: 01-Aug-2000 — **L Name:**
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT — **F Name:**
Date: 14-Feb-2000 — **L Name:**
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

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Status: FLDISS ***F Name:***
Date: 04-Jan-2000 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Field NOR Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDD1U ***F Name:***
Date: 04-Jan-2000 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Unannounced
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL ***F Name:***
Date: 04-Jan-2000 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC ***F Name:***
Date: 13-Jun-2000 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***F Name:***
Date: 08-Jun-2000 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 08-Jun-2000 ***OHM:*** Oil
OFC Notification: 04-Jan-2000
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

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45 ***1 of 1*** ***S*** ***0.99 / 5,218.45*** ***158.61 / -23*** ***MWRA SPOT POND PUMP STATION 2 WOODLAND RD STONEHAM MA*** ***RELEASE***

RTN: 3-0004090 ***Phase:*** PHASE IV
Compliance Date: 2/28/2007 ***RAO Class:*** C1
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** INDUSTRIAL, MUNICIPAL, PUMP STA
Notification Date: 10/15/1992 ***Site Name (BWSC):*** MWRA SPOT POND PUMP STATION
Source: UNKNOWN ***Address (BWSC):*** 2 WOODLAND RD
Reporting Category: NONE ***Town (BWSC):*** STONEHAM
Site (EEA Data): MWRA SPOT POND PUMP STATION ***Zip Code (BWSC):*** 02180-0000
Rel Add(EEA Data): 2 WOODLAND RD ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0004090
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0004090
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: PETROLEUM
Amount:
Units:

Action Information (BWSC)

Status: ISSUED ***F Name:***
Date: 10-Jun-1993 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: PLANWR ***F Name:***
Date: 24-Dec-1997 ***L Name:***
Action: PHASIV
Action Description: Phase 4
Status Description: Written Plan Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: CSRCVD ***F Name:***
Date: 11-Mar-1997 ***L Name:***
Action: PHSIII
Action Description: Phase 3
Status Description: Completion Statement Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: PLANWR ***F Name:***
Date: 05-Jun-1996 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

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Status: RAORCD ***F Name:***
Date: 28-Feb-2007 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: TSEVAL ***F Name:***
Date: 03-Oct-2019 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Periodic Review Opinion Evaluating Temporary Solution
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: IMRCD ***F Name:***
Date: 03-Apr-2006 ***L Name:***
Action: RAO-P
Action Description: Partial RAO for this RTN
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: RAORCD ***F Name:***
Date: 13-Jul-2004 ***L Name:***
Action: RAO-P
Action Description: Partial RAO for this RTN
Status Description: RAO Statement Received (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: PEREFF ***F Name:***
Date: 16-Feb-1995 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Permit Effective Date (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: PEREFF ***F Name:***
Date: 16-Jun-2000 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Permit Effective Date (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: SOW ***F Name:***
Date: 23-Mar-1995 ***L Name:***
Action: PHASII
Action Description: Phase 2
Status Description: Scope of Work Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: STRCVD ***F Name:***
Date: 05-May-1997 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: TSEVAL ***F Name:***
Date: 06-May-2009 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Periodic Review Opinion Evaluating Temporary Solution
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: PEREXT ***F Name:***
Date: 07-Nov-2002 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Permit Extension Received (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: CSRCVD ***F Name:***
Date: 18-Nov-1996 ***L Name:***
Action: PHASII
Action Description: Phase 2
Status Description: Completion Statement Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: PEREXT ***F Name:***
Date: 18-Mar-2005 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Permit Extension Received (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to

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achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: RECPT ***F Name:***
Date: 01-Oct-1994 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: CSRCVD ***F Name:***
Date: 21-Jan-1999 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: CSRCVD ***F Name:***
Date: 04-Oct-1994 ***L Name:***
Action: PHASEI
Action Description: Phase 1
Status Description: Completion Statement Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: PEREFF ***F Name:***
Date: 06-Mar-2003 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Permit Effective Date (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: PEREXT ***F Name:***
Date: 14-Feb-2000 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Permit Extension Received (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: LSPFA ***F Name:***
Date: 04-Oct-1994 ***L Name:***
Action: TREGS
Action Description:
Status Description:
RAO Class: C1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: NON ***F Name:***
Date: 23-Mar-2005 ***L Name:***
Action: C&E
Action Description:
Status Description:
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: ISSUED ***F Name:***
Date: 25-May-1993 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: STRCVD ***F Name:***
Date: 06-Nov-1997 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: STRCVD ***F Name:***
Date: 09-Dec-1996 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: TIER1B ***F Name:***
Date: 01-Oct-1994 ***L Name:***
Action: TCLASS
Action Description: Tier Classification
Status Description: Tier 1B Classification (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: REVRCD ***F Name:***
Date: 28-Feb-2007 ***L Name:***
Action: PHSIII
Action Description: Phase 3

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Description: Revised Statement or Transmittal Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: STRCVD ***F Name:***
Date: 08-Mar-1996 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: TSEVAL ***F Name:***
Date: 19-Sep-2014 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Periodic Review Opinion Evaluating Temporary Solution
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: TCTRNS ***F Name:***
Date: 15-Oct-1992 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Valid Transition Site (Retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: APPROV ***F Name:***
Date: ***L Name:***
Action: BWS20
Action Description:
Status Description:
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: CSRCVD ***F Name:***
Date: 02-Sep-1997 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: PLANWR ***F Name:***
Date: 21-Jan-1997 ***L Name:***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action: RAM
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: PLANWR ***F Name:***
Date: 03-Nov-1995 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: STRCVD ***F Name:***
Date: 02-Jul-1998 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Status or Interim Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Status: CSRCVD ***F Name:***
Date: 12-Nov-1996 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Completion Statement Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Release (BWSC) Detail

Prim ID: ***Category:*** NONE
Current Status: RAO ***Phase:*** PHASE IV
Current St Desc: Response Action Outcome ***RAO Class:*** C1
Current Date: 28-Feb-2007 ***OHM:*** Oil
OFC Notification: 15-Oct-1992
Phase Desc: Implementation of the Selected Remedial Action Alternative and Remedy Implementation Plan
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1- Temporary Solution where achievement of a Permanent Solution is not currently feasible

Other Rela:

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Unplottable Summary

Total: 21 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
AUL	WAKEFIELD MUNI GAS & LIGHT DEPT	NORTH AVE	WAKEFIELD MA		809196048
HIST LAST	WEISS FARM	FRANKLIN STREET ***Spill ID*** **|** ***Case Closed:*** N88-0624	YES	STONEHAM MA		809182176
LUST	30 PINE ST	PINE ST ***RTN:*** 3-0013329	STONEHAM MA		858491316
RELEASE	IN FRONT OF 386 MAIN ST	MAIN ST ***RTN:*** 3-0026994 ***Current Status:*** URAM	MELROSE MA		858498907
RELEASE	30 PINE ST	PINE ST ***RTN:*** 3-0013329 ***Current Status:*** RAO	STONEHAM MA		809241999
RELEASE	TRI-COMMUNITY BIKEWAY	MAPLE STREET ***RTN:*** 3-0034256 ***Current Status:*** PSNC	STONEHAM MA		862145191
RELEASE	NORTHERN INTER HIGH PIPELINE SECT 110	WOODLAND RD AND PARK ST ***RTN:*** 3-0034732 ***Current Status:*** URAM	STONEHAM MA		866621270
RELEASE	MP 7 10TH WESTERN RTE MAIN LINE	STONE PL END OF ***RTN:*** 3-0021129 ***Current Status:*** RAO	MELROSE MA		809240328
RELEASE	NO LOCATION AID	FALLON RD AT RTE 93 ***RTN:*** 3-0024728 ***Current Status:*** RAO	STONEHAM MA		809238592
RELEASE	YEUELL SCHOOL	CRYSTAL ST ***RTN:*** 3-0024670 ***Current Status:*** RAO	WAKEFIELD MA		809236751
RELEASE	CORNER OF MAIN ST & BANK ST	MAIN ST ***RTN:*** 3-0015424 ***Current Status:*** RAO	MELROSE MA		809236509
RELEASE	BASIN 1	MIDDLESEX FELLS RESERVOIR ***RTN:*** 3-0015235 ***Current Status:*** RAO	STONEHAM MA		809236476
RELEASE	JUST PRIOR TO EXIT 34	RTE 93 (SOUTH AND NORTH) ***RTN:*** 3-0025446 ***Current Status:*** RAO	STONEHAM MA		809235942
RELEASE	IN FRONT OF BEAR HILL	PROSPECT ST ***RTN:*** 3-0023075 ***Current Status:*** RAO	WAKEFIELD MA		809232131
RELEASE	NO LOCATION AID	93 SOUTH BOUND OVER 128 ***RTN:*** 3-0023804 ***Current Status:*** RAO	STONEHAM MA		809231121
RELEASE	NO LOCATION AID	LINDENWOOD RD ***RTN:*** 3-0019563 ***Current Status:*** RAO	STONEHAM MA		809229906
RELEASE	CORNER OF MAIN ST	PLEASANT ST ***RTN:*** 3-0015413 ***Current Status:*** RAO	STONEHAM MA		809228888
RELEASE	NO LOCATION AID	MAIN ST ***RTN:*** 3-0022170 ***Current Status:*** RAO	MELROSE MA		809228148
RELEASE	MUNICIPAL ROADWAY	NORTH AVENUE ***RTN:*** 3-0031795 ***Current Status:*** URAM	WAKEFIELD MA		821733355
RELEASE	@ 239 MAIN STREET	MAIN STREET ***RTN:*** 3-0036273	STONEHAM MA		882484827
RELEASE	NO LOCATION AID	COTTAGE STREET ***RTN:*** 3-0034235 ***Current Status:*** URAM	STONEHAM MA		861299541

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Unplottable Report

Site: ***WAKEFIELD MUNI GAS & LIGHT DEPT***
NORTH AVE WAKEFIELD MA

AUL

RTN:	3-0019079	***Phase:***	PHASE V
Compliance Status:	RAO	***Location Type(s):***	COMMERCIAL, FMR MPG, INDUSTRIAL, LAKE, WATERBODY
Compl Status Desc:	Response Action Outcome	***Site Name (BWSC):***	WAKEFIELD MUNI GAS & LIGHT DEPT
Compliance Date:	10/10/2008	***Address (BWSC):***	NORTH AVE
Notification Date:	4/12/2000	***Town (BWSC):***	WAKEFIELD
RAO Class:	C1	***Zip Code (BWSC):***	01880-0000
Chemical Type:	Hazardous Material	***OFC Town (BWSC):***	WAKEFIELD
Reporting Category:	120 DY	***Source(s):***	HISTORICAL, RELEASE, UNKNOWN

Site Name (EEA Data Portal): WAKEFIELD MUNI GAS & LIGHT DEPT
Release Add (EEA Data Portal): NORTH AVE
City/Town (EEA Data Portal): WAKEFIELD
Phase Desc: Operation, Maintenance and/or Monitoring
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0019079
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0019079
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Release (BWSC) Detail

Prim ID:	3-0019079	***Category:***	120 DY
Current Status:	RAO	***Phase:***	PHASE V
Current Status Desc:	Response Action Outcome	***RAO Class:***	C1
Current Date:	10-Oct-2008	***OHM:***	Hazardous Material
OFC Notification:	12-Apr-2000		

Phase Desc: Operation, Maintenance and/or Monitoring
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible
Other Rela:

Chemical Information

Chemical: ARSENIC
Amount: 180
Units: MG/KG

Chemical: LEAD
Amount: 4900
Units: MG/KG

Chemical: LEAD
Amount: 590
Units: MG/KG

Action Information

Date:		***First Name:***	
Action:	BWS20	***Last Name:***	

Action Description:
Status: APPROV
Status Description:
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 13-Jul-2001 ***First Name:***
Action: C&E ***Last Name:***
Action Description:
Status: INTLET
Status Description:
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 12-Apr-2000 ***First Name:***
Action: NOR ***Last Name:***
Action Description: Notice of Responsibility
Status: ISSUED
Status Description: Correspondence Issued
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 15-Feb-2013 ***First Name:***
Action: RAM ***Last Name:***
Action Description: Release Abatement Measure
Status: STRCVD
Status Description: Status or Interim Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 11-Aug-2016 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: IMRCD
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 06-Jan-2014 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: TSEVAL
Status Description: Periodic Review Opinion Evaluating Temporary Solution
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 18-Jul-2012 ***First Name:***
Action: RAO-P ***Last Name:***

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Action Description: Partial RAO for this RTN
Status: IMRCD
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 28-Aug-2008 ***First Name:***
Action: RAO-P ***Last Name:***
Action Description: Partial RAO for this RTN
Status: RAORCD
Status Description: RAO Statement Received (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 15-Sep-2000 ***First Name:***
Action: RNF ***Last Name:***
Action Description: Release Notification Form Received
Status: REPORT
Status Description: Reportable Release under MGL 21E
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 10-May-2001 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: LEGNOT
Status Description: Legal Notice Published
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 07-Dec-2006 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: PEREXT
Status Description: Permit Extension Received (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 12-Apr-2001 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 23-Sep-2008 ***First Name:***
Action: AUL ***Last Name:***

Action Description: Activity and Use Limitation
Status: LEGNOT
Status Description: Legal Notice Published
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 02-Dec-2013 ***First Name:***
Action: AUL ***Last Name:***
Action Description: Activity and Use Limitation
Status: LEGNOT
Status Description: Legal Notice Published
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 28-Sep-2012 ***First Name:***
Action: BOL ***Last Name:***
Action Description: Bill of Lading
Status: NOTSHP
Status Description: Remediation Waste was Not Shipped
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 02-Jan-2013 ***First Name:***
Action: BOL ***Last Name:***
Action Description: Bill of Lading
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 15-Oct-2001 ***First Name:***
Action: IRA ***Last Name:***
Action Description: Immediate Response Action
Status: CSRCVD
Status Description: Completion Statement Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 05-Mar-2020 ***First Name:***
Action: PHASEV ***Last Name:***
Action Description: Phase 5
Status: ROSSTR
Status Description: Remedy Operation Status Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 12-Apr-2001 ***First Name:***
Action: PHASII ***Last Name:***

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Action Description: Phase 2
Status: SOW
Status Description: Scope of Work Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 28-Feb-2003 ***First Name:***
Action: PHSIII ***Last Name:***
Action Description: Phase 3
Status: NDMDRC
Status Description: Notice of Delay in Meeting RA Deadline Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 27-Jul-2012 ***First Name:***
Action: RAM ***Last Name:***
Action Description: Release Abatement Measure
Status: PLANMD
Status Description: Modified Revised or Updated Plan Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 29-May-2014 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: TSAUD
Status Description: Level I - Technical Screen Audit
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 17-Oct-2002 ***First Name:***
Action: RLFA ***Last Name:***
Action Description: Site Visit or Office Follow-up
Status: FOLOFF
Status Description: Follow-up Office Response
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 16-Jul-2013 ***First Name:***
Action: RAM ***Last Name:***
Action Description: Release Abatement Measure
Status: CSRCVD
Status Description: Completion Statement Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 10-Oct-2018 ***First Name:***
Action: RAO ***Last Name:***

Action Description: Response Action Outcome -RAO
Status: RMRINT
Status Description: RMR Interim Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 17-Mar-2010 ***First Name:***
Action: RAO-P ***Last Name:***
Action Description: Partial RAO for this RTN
Status: IMRCD
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 23-Nov-2010 ***First Name:***
Action: RAO-P ***Last Name:***
Action Description: Partial RAO for this RTN
Status: IMRCD
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 21-Dec-2012 ***First Name:***
Action: RAO-P ***Last Name:***
Action Description: Partial RAO for this RTN
Status: REVRCD
Status Description: Revised Statement or Transmittal Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 17-Dec-1999 ***First Name:***
Action: REL ***Last Name:***
Action Description: Release Disposition
Status: REPORT
Status Description: Reportable Release under MGL 21E
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 15-Oct-2001 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: LNKVIC
Status Description: RTN Linked to TCLASS Via IRA Completion Statement
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 28-Sep-2012 ***First Name:***
Action: BOL ***Last Name:***

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Action Description: Bill of Lading
Status: SHPFAC
Status Description: Remediation was Shipped to a Facility
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 14-Dec-2006 ***First Name:***
Action: C&E ***Last Name:***
Action Description:
Status: NON
Status Description:
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 31-Oct-2001 ***First Name:***
Action: C&E ***Last Name:***
Action Description:
Status: NORA
Status Description:
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 10-Aug-2001 ***First Name:***
Action: IRA ***Last Name:***
Action Description: Immediate Response Action
Status: IHEVAL
Status Description: Imminent Hazard Evaluation Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 30-Jan-2004 ***First Name:***
Action: PHASII ***Last Name:***
Action Description: Phase 2
Status: CSRCVD
Status Description: Completion Statement Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 18-Oct-2006 ***First Name:***
Action: PHASII ***Last Name:***
Action Description: Phase 2
Status: SOW
Status Description: Scope of Work Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 16-Jan-2008 ***First Name:***
Action: PHASIV ***Last Name:***

Action Description: Phase 4
Status: PLANMD
Status Description: Modified Revised or Updated Plan Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 11-Jul-2017 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: IMRCD
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 14-Aug-2014 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: IMRCD
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 18-Apr-2018 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: RMRINT
Status Description: RMR Interim Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 15-May-2009 ***First Name:***
Action: RAO-P ***Last Name:***
Action Description: Partial RAO for this RTN
Status: RAORCD
Status Description: RAO Statement Received (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 19-Nov-2013 ***First Name:***
Action: RAO-P ***Last Name:***
Action Description: Partial RAO for this RTN
Status: REVRCD
Status Description: Revised Statement or Transmittal Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 18-May-2000 ***First Name:***
Action: RLFA ***Last Name:***

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Action Description: Site Visit or Office Follow-up
Status: FOLOFF
Status Description: Follow-up Office Response
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 12-Apr-2001 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: TIER1C
Status Description: Tier 1C Classification (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 28-Aug-2008 ***First Name:***
Action: AUL ***Last Name:***
Action Description: Activity and Use Limitation
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 10-Oct-2008 ***First Name:***
Action: AUL ***Last Name:***
Action Description: Activity and Use Limitation
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 26-Apr-2013 ***First Name:***
Action: BOL ***Last Name:***
Action Description: Bill of Lading
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 12-Sep-2012 ***First Name:***
Action: BOL ***Last Name:***
Action Description: Bill of Lading
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 05-Mar-2020 ***First Name:***
Action: PHASEV ***Last Name:***

Action Description: Phase 5
Status: RMRINT
Status Description: RMR Interim Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 19-Jun-2019 ***First Name:***
Action: PHASEV ***Last Name:***
Action Description: Phase 5
Status: ROSSTR
Status Description: Remedy Operation Status Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 28-Feb-2003 ***First Name:***
Action: PHASII ***Last Name:***
Action Description: Phase 2
Status: NDMDRC
Status Description: Notice of Delay in Meeting RA Deadline Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 16-Jan-2008 ***First Name:***
Action: PHSIII ***Last Name:***
Action Description: Phase 3
Status: REVRCD
Status Description: Revised Statement or Transmittal Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 12-Apr-2012 ***First Name:***
Action: RAM ***Last Name:***
Action Description: Release Abatement Measure
Status: PLANWR
Status Description: Written Plan Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 18-Apr-2018 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: IMRCD
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 23-Sep-2015 ***First Name:***
Action: RAO ***Last Name:***

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Action Description: Response Action Outcome -RAO
Status: IMRCD
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 21-Apr-2015 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: RMRINT
Status Description: RMR Interim Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 23-Sep-2015 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: RMRINT
Status Description: RMR Interim Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 07-Jan-2019 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: TSEVAL
Status Description: Periodic Review Opinion Evaluating Temporary Solution
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 29-Feb-2012 ***First Name:***
Action: RAO-P ***Last Name:***
Action Description: Partial RAO for this RTN
Status: IMRCD
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 10-Jul-2001 ***First Name:***
Action: REL ***Last Name:***
Action Description: Release Disposition
Status: REPORT
Status Description: Reportable Release under MGL 21E
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 14-Jul-2008 ***First Name:***
Action: TCLASS ***Last Name:***

Action Description: Tier Classification
Status: LEGNOT
Status Description: Legal Notice Published
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 28-Aug-2001 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: PEREFF
Status Description: Permit Effective Date (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 02-Dec-2013 ***First Name:***
Action: AUL ***Last Name:***
Action Description: Activity and Use Limitation
Status: AMEND
Status Description: Amendment Received or Issued (LLE or HLE)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 24-May-2012 ***First Name:***
Action: BOL ***Last Name:***
Action Description: Bill of Lading
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 19-Jun-2012 ***First Name:***
Action: BOL ***Last Name:***
Action Description: Bill of Lading
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 05-Jun-2013 ***First Name:***
Action: BOL ***Last Name:***
Action Description: Bill of Lading
Status: SHPFAC
Status Description: Remediation was Shipped to a Facility
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 12-Apr-2001 ***First Name:***
Action: PHASEI ***Last Name:***

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Action Description: Phase 1
Status: CSRCVD
Status Description: Completion Statement Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 21-Aug-2012 ***First Name:***
Action: RAM ***Last Name:***
Action Description: Release Abatement Measure
Status: STRCVD
Status Description: Status or Interim Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 25-Aug-2011 ***First Name:***
Action: RAO-P ***Last Name:***
Action Description: Partial RAO for this RTN
Status: IMRCD
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 01-Aug-2012 ***First Name:***
Action: RLFA ***Last Name:***
Action Description: Site Visit or Office Follow-up
Status: FOLOFF
Status Description: Follow-up Office Response
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 06-Jan-2014 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: LNKVIC
Status Description: RTN Linked to TCLASS Via IRA Completion Statement
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 24-Aug-2010 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: PEREXT
Status Description: Permit Extension Received (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 02-Oct-2002 ***First Name:***
Action: URAM ***Last Name:***

Action Description: Utility-related Abatement Measure
Status: NPERTN
Status Description: URAM Notification of a Previously Existing RTN
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 18-Dec-2012 ***First Name:***
Action: BOL ***Last Name:***
Action Description: Bill of Lading
Status: RECPT
Status Description: Transmittal, Notice, or Notification Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 17-Dec-2000 ***First Name:***
Action: IRA ***Last Name:***
Action Description: Immediate Response Action
Status: ASSESS
Status Description: IRA Assessment Only
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 30-Jan-2004 ***First Name:***
Action: PHSIII ***Last Name:***
Action Description: Phase 3
Status: CSRCVD
Status Description: Completion Statement Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 21-Apr-2015 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: IMRCD
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 10-Oct-2018 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: IMRCD
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 23-Oct-2008 ***First Name:***
Action: AUL ***Last Name:***

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Action Description: Activity and Use Limitation
Status: LEGNOT
Status Description: Legal Notice Published
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 05-Nov-2012 ***First Name:***
Action: BOL ***Last Name:***
Action Description: Bill of Lading
Status: NOTSHP
Status Description: Remediation Waste was Not Shipped
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 05-Feb-2013 ***First Name:***
Action: BOL ***Last Name:***
Action Description: Bill of Lading
Status: SHPFAC
Status Description: Remediation was Shipped to a Facility
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: ***First Name:***
Action: BWS03 ***Last Name:***
Action Description:
Status: APPROV
Status Description:
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 28-Jan-2020 ***First Name:***
Action: PHASEV ***Last Name:***
Action Description: Phase 5
Status: RMRINT
Status Description: RMR Interim Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 19-Jun-2019 ***First Name:***
Action: PHASEV ***Last Name:***
Action Description: Phase 5
Status: RMRINT
Status Description: RMR Interim Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 28-Jan-2020 ***First Name:***
Action: PHASEV ***Last Name:***

Action Description: Phase 5
Status: ROSSTR
Status Description: Remedy Operation Status Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 25-Jan-2011 ***First Name:***
Action: PHASIV ***Last Name:***
Action Description: Phase 4
Status: ABCRCD
Status Description: As-Built Construction Report Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 12-Oct-2005 ***First Name:***
Action: PHASIV ***Last Name:***
Action Description: Phase 4
Status: NDMDRC
Status Description: Notice of Delay in Meeting RA Deadline Received
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 14-May-2012 ***First Name:***
Action: RAM ***Last Name:***
Action Description: Release Abatement Measure
Status: TSAUD
Status Description: Level I - Technical Screen Audit
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 11-Feb-2016 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: IMRCD
Status Description: Post-RAO C Status Report Received (Ph V-prior to 05 only)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 10-Oct-2008 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: RAORCD
Status Description: RAO Statement Received (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 14-Jul-2010 ***First Name:***
Action: TCLASS ***Last Name:***

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Action Description: Tier Classification
Status: LEGNOT
Status Description: Legal Notice Published
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 20-Oct-2006 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: LEGNOT
Status Description: Legal Notice Published
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 18-Oct-2006 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: LSPMP
Status Description: LSP of Record Change via Minor Permit Mod (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 23-Aug-2008 ***First Name:***
Action: TCLASS ***Last Name:***
Action Description: Tier Classification
Status: PEREXT
Status Description: Permit Extension Received (retired)
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

Date: 10-Oct-2002 ***First Name:***
Action: URAM ***Last Name:***
Action Description: Utility-related Abatement Measure
Status: NPERTN
Status Description: URAM Notification of a Previously Existing RTN
RAO Class: C1
RAO Class Desc: Response Action Outcomes shall apply to disposal sites where, after completion of a Phase III evaluation pursuant to 310 CMR 40.0850, a condition of No Substantial Hazard exists, and it is concluded that response actions to achieve a Permanent Solution are not currently feasible. As of June 20, 2014, all Class C-1 Response Action Outcomes submitted to the Department shall be Temporary Solutions as described in 310 CMR 40.1050(1)(e)1-Temporary Solution where achievement of a Permanent Solution is not currently feasible

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Site: ***WEISS FARM***
FRANKLIN STREET STONEHAM MA

HIST LAST

Spill ID: N88-0624
Site ID: 0000
Case Closed: YES
LUST:
Incident: OTHER RELEASE >
Other Incident: UNKNOWN
Source: ABOVE-GRND TANK
Other Source:
Petro/Hazardous: PETROLEUM
Virgin/Waste: VIRGIN

Repo Units Spilled: _____
Act. Qty Spilled: NONE
Act. Units Spilled: _____
Spill Date:
Spill Time:
Rport Date:
Rport Time: 01:00PM
Notifier:
Notifier Phone:
First IR Form:

Material: MISCELLANEOUS OIL
Other Material:
Enviro Impact:
Other Env. Impact:
Contaminated Soil:
PCB Ranges:
Reported Qty Spilled: NONE
CAS NO for Haz Waste:
SPL Info. 1st Entered:
SPL Info. Last Entered:

Staff Lead: PENTA, E
Category:
Days For Case: -2447285
Report pre by:
Contractor: NOT USED
Referral Divisions: NO

Site: ***30 PINE ST***
PINE ST STONEHAM MA

LUST

RTN: 3-0013329
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Compliance Date: 2/2/1996
Notification Date: 1/15/1996
RAO Class: A1
Chemical Type: Oil
Reporting Category: TWO HR
Site Name (EEA Data Portal): 30 PINE ST
Release Add (EEA Data Portal): PINE ST
City/Town (EEA Data Portal): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0013329
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0013329
Source File: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
Location Type(s): COMMERCIAL, RESIDNTIAL, ROADWAY
Site Name (BWSC): 30 PINE ST
Address (BWSC): PINE ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM
Source(s): OILPUMP, TANKER

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current Status Desc: Response Action Outcome
Current Date: 02-Feb-1996
OFC Notification: 15-Jan-1996
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Category: TWO HR
Phase:
RAO Class: A1
OHM: Oil

Chemical Information

Chemical: #2 FUEL OIL
Amount: 30
Units: GAL

Action Information

Date: 15-Jan-1996 ***First Name:***
Action: IRA ***Last Name:***
Action Description: Immediate Response Action
Status: APORAL
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Date: 02-Feb-1996 ***First Name:***
Action: RNF ***Last Name:***
Action Description: Release Notification Form Received
Status: REPORT
Status Description: Reportable Release under MGL 21E

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RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Date: 01-Feb-1996 ***First Name:***
Action: NOR ***Last Name:***
Action Description: Notice of Responsibility
Status: ISSUED
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Date: 15-Jan-1996 ***First Name:***
Action: REL ***Last Name:***
Action Description: Release Disposition
Status: REPORT
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Date: 15-Jan-1996 ***First Name:***
Action: RLFA ***Last Name:***
Action Description: Site Visit or Office Follow-up
Status: FOLFLD
Status Description: Follow-up or Other Field Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Date: 15-Jan-1996 ***First Name:***
Action: NOR ***Last Name:***
Action Description: Notice of Responsibility
Status: ISSUED
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Date: 02-Feb-1996 ***First Name:***
Action: RAO ***Last Name:***
Action Description: Response Action Outcome -RAO
Status: RAORCD
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Date: 16-Jan-1996 ***First Name:***
Action: RLFA ***Last Name:***
Action Description: Site Visit or Office Follow-up
Status: FOLFLD
Status Description: Follow-up or Other Field Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Site: ***IN FRONT OF 386 MAIN ST MAIN ST MELROSE MA*** RELEASE

RTN: 3-0026994
Compliance Date: 8/30/2007
Compliance Status: URAM
Compl Status Desc: Utility-abatement Measure
Notification Date: 8/24/2007
Source: HISTREL, UNKNOWN, UST
Reporting Category: 120 DY
Site (EEA Data): IN FRONT OF 386 MAIN ST
Rel Add(EEA Data): MAIN ST

Phase:
RAO Class:
Chemical Type: Oil
Location Type: RIGHTOFWAY, ROADWAY
Site Name (BWSC): IN FRONT OF 386 MAIN ST
Address (BWSC): MAIN ST
Town (BWSC): MELROSE
Zip Code (BWSC):
OFC Town (BWSC): MELROSE

Town (EEA Data): MELROSE
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0026994
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0026994
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: GASOLINE
Amount:
Units:

Action Information (BWSC)

Status: TSAUD ***F Name:***
Date: 28-Aug-2007 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Level I - Technical Screen Audit
RAO Class:
RAO Class Desc:

Status: CSRCVD ***F Name:***
Date: 04-Dec-2007 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: REPORT ***F Name:***
Date: 24-Aug-2007 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: URAMNT ***F Name:***
Date: 30-Aug-2007 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Notification of URAM Received
RAO Class:
RAO Class Desc:

Status: INTENT ***F Name:***
Date: 24-Aug-2007 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Notice of Intent to Conduct a URAM
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID: ***Category:*** 120 DY
Current Status: URAM ***Phase:***
Current St Desc: Utility-abatement Measure ***RAO Class:***
Current Date: 30-Aug-2007 ***OHM:*** Oil
OFC Notification: 24-Aug-2007
Phase Desc:
RAO Class Desc:
Other Rela:

Site: ***30 PINE ST***

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PINE ST STONEHAM MA RELEASE

RTN: 3-0013329
Compliance Date: 2/2/1996
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 1/15/1996
Source: OILPUMP, TANKER
Reporting Category: TWO HR
Site (EEA Data): 30 PINE ST
Rel Add(EEA Data): PINE ST
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0013329
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0013329
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class: A1
Chemical Type: Oil
Location Type: COMMERCIAL, RESIDNTIAL, ROADWAY
Site Name (BWSC): 30 PINE ST
Address (BWSC): PINE ST
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: #2 FUEL OIL
Amount: 30
Units: GAL

Action Information (BWSC)

Status: ISSUED
Date: 15-Jan-1996
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

F Name:
L Name:

Status: APORAL
Date: 15-Jan-1996
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

F Name:
L Name:

Status: RAORCD
Date: 02-Feb-1996
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

F Name:
L Name:

Status: ISSUED
Date: 01-Feb-1996
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

F Name:
L Name:

Status: FOLFLD
Date: 15-Jan-1996
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A1

F Name:
L Name:

RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FOLFLD
Date: 16-Jan-1996
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

F Name:
L Name:

Status: REPORT
Date: 02-Feb-1996
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

F Name:
L Name:

Status: REPORT
Date: 15-Jan-1996
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

F Name:
L Name:

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 02-Feb-1996
OFC Notification: 15-Jan-1996
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Category: TWO HR
Phase:
RAO Class: A1
OHM: Oil

Site: ***TRI-COMMUNITY BIKEWAY MAPLE STREET STONEHAM MA*** RELEASE

RTN: 3-0034256
Compliance Date: 6/8/2018
Compliance Status: PSNC
Compl Status Desc: Permanent Solution with No Conditions
Notification Date: 6/7/2017
Source: UNKNOWN
Reporting Category: 120 DY
Site (EEA Data): TRI-COMMUNITY BIKEWAY
Rel Add(EEA Data): MAPLE STREET
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0034256
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0034256
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class: PN
Chemical Type: Oil and Hazardous Material
Location Type: UNKNOWN
Site Name (BWSC): TRI-COMMUNITY BIKEWAY
Address (BWSC): MAPLE STREET
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: AROCLOR 1260
Amount: 1.04
Units: MG/KG

Chemical: LEAD

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Amount: 348
Units: MG/KG

Chemical: BENZO[A]PYRENE
Amount: 2.56
Units: MG/KG

Chemical: TRICHLOROETHENE
Amount: 6.1
Units: MG/KG

Chemical: ETHENE, 1,2-DICHLORO-, (Z)
Amount: 1.26
Units: MG/KG

Chemical: TPH
Amount: 2160
Units: MG/KG

Chemical: ARSENIC
Amount: 39.2
Units: MG/KG

Action Information (BWSC)

Status: ISSUED ***F Name:***
Date: 19-Jul-2017 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PLANWR ***F Name:***
Date: 12-Dec-2017 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Written Plan Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT ***F Name:***
Date: 07-Jun-2017 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT ***F Name:***
Date: 08-Jun-2018 ***L Name:***
Action: DPS
Action Description: Downgradient Property Status
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: PSNRCD ***F Name:***
Date: 08-Jun-2018 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Permanent Solution with No Conditions
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: REPORT ***F Name:***
Date: 07-Jun-2017 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E

RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FEEREC ***F Name:***
Date: 21-Jun-2018 ***L Name:***
Action: DPS
Action Description: Downgradient Property Status
Status Description: Fee Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: CSRCVD ***F Name:***
Date: 08-Jun-2018 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Completion Statement Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: ALSENT ***F Name:***
Date: 04-Apr-2018 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FEEREC ***F Name:***
Date: 29-Dec-2017 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Fee Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: FEEREC ***F Name:***
Date: 21-Jun-2018 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: TSAUD ***F Name:***
Date: 12-Dec-2017 ***L Name:***
Action: RAM
Action Description: Release Abatement Measure
Status Description: Level I - Technical Screen Audit
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Status: RECPT ***F Name:***
Date: 07-Jun-2017 ***L Name:***
Action: RNFE
Action Description: Release Notification
Status Description: Transmittal, Notice, or Notification Received
RAO Class: PN
RAO Class Desc: Permanent Solution with No Conditions

Release (BWSC) Detail

Prim ID: ***Category:*** 120 DY
Current Status: PSNC ***Phase:***
Current St Desc: Permanent Solution with No Conditions ***RAO Class:*** PN
Current Date: 08-Jun-2018 ***OHM:*** Oil and Hazardous Material
OFC Notification: 07-Jun-2017
Phase Desc:
RAO Class Desc: Permanent Solution with No Conditions
Other Rela:

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Site: ***NORTHERN INTER HIGH PIPELINE SECT 110***
WOODLAND RD AND PARK ST STONEHAM MA

RELEASE

RTN:	3-0034732	***Phase:***	
Compliance Date:	1/30/2018	***RAO Class:***	
Compliance Status:	URAM	***Chemical Type:***	Oil and Hazardous Material
Compl Status Desc:	Utility-abatement Measure	***Location Type:***	MUNICIPAL, RIGHTOFWAY
Notification Date:	1/19/2018	***Site Name (BWSC):***	NORTHERN INTER HIGH PIPELINE SECT 110
Source:	UNKNOWN	***Address (BWSC):***	WOODLAND RD AND PARK ST
Reporting Category:	120 DY	***Town (BWSC):***	STONEHAM
Site (EEA Data):	NORTHERN INTER HIGH PIPELINE SECT 110	***Zip Code (BWSC):***	
Rel Add(EEA Data):	WOODLAND RD AND PARK ST	***OFC Town (BWSC):***	STONEHAM
Town (EEA Data):	STONEHAM		
Phase Desc:			
RAO Class Desc:			
Info URL:	https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0034732		
Docs URL:	https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0034732		
Report Source:	Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)		

Chemical Information (BWSC)

Chemical: BENZO[B]FLUORANTHENE
Amount: 22.8
Units: MG/KG

Chemical: BENZO[A]PYRENE
Amount: 28
Units: MG/KG

Chemical: TPH
Amount: 2170
Units: MG/KG

Action Information (BWSC)

Status: SHPFAC ***F Name:***
Date: 10-Sep-2018 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class:
RAO Class Desc:

Status: INTENT ***F Name:***
Date: 19-Jan-2018 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Notice of Intent to Conduct a URAM
RAO Class:
RAO Class Desc:

Status: RECPT ***F Name:***
Date: 22-Jan-2019 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: RECPT ***F Name:***
Date: 27-Jul-2018 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: URAMLR ***F Name:***
Date: 31-Jan-2018 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Letter of Responsibility URAM or Municipality
RAO Class:
RAO Class Desc:

Status: REPORT ***F Name:***
Date: 19-Jan-2018 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: RECPT ***F Name:***
Date: 10-Sep-2018 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: URAMNT ***F Name:***
Date: 30-Jan-2018 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Notification of URAM Received
RAO Class:
RAO Class Desc:

Status: STRCVD ***F Name:***
Date: 07-May-2019 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Status: STRCVD ***F Name:***
Date: 18-May-2018 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Status: RECPT ***F Name:***
Date: 14-Nov-2018 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: RECPT ***F Name:***
Date: 16-Feb-2018 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: SHPFAC ***F Name:***
Date: 02-Jan-2019 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class:

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RAO Class Desc:

Status: SHPFAC ***F Name:***
Date: 20-Jun-2019 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class:
RAO Class Desc:

Status: CSRCVD ***F Name:***
Date: 15-Nov-2019 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: STRCVD ***F Name:***
Date: 14-Nov-2018 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID: ***Category:*** 120 DY
Current Status: URAM ***Phase:***
Current St Desc: Utility-abatement Measure ***RAO Class:***
Current Date: 30-Jan-2018 ***OHM:*** Oil and Hazardous Material
OFC Notification: 19-Jan-2018
Phase Desc:
RAO Class Desc:
Other Rela:

Site: ***MP 7 10TH WESTERN RTE MAIN LINE***
STONE PL END OF MELROSE MA

RELEASE

RTN: 3-0021129 ***Phase:***
Compliance Date: 1/29/2002 ***RAO Class:*** A2
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** RR
Notification Date: 10/4/2001 ***Site Name (BWSC):*** MP 7 10TH WESTERN RTE MAIN LINE
Source: PIPE ***Address (BWSC):*** STONE PL END OF
Reporting Category: TWO HR ***Town (BWSC):*** MELROSE
Site (EEA Data): MP 7 10TH WESTERN RTE MAIN LINE ***Zip Code (BWSC):*** 02176-0000
Rel Add(EEA Data): STONE PL END OF ***OFC Town (BWSC):*** MELROSE
Town (EEA Data): MELROSE
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0021129
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0021129
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: HYDRAULIC FLUID
Amount: 30
Units: GAL

Action Information (BWSC)

Status: PLANWR ***F Name:***
Date: 04-Dec-2001 ***L Name:***
Action: IRA

Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL ***F Name:***
Date: 04-Oct-2001 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 04-Oct-2001 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***F Name:***
Date: 29-Jan-2002 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL ***F Name:***
Date: 26-Nov-2001 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***F Name:***
Date: 11-Dec-2001 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 04-Dec-2001 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 29-Jan-2002 ***OHM:*** Oil
OFC Notification: 04-Oct-2001
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Site: ***NO LOCATION AID***
FALLON RD AT RTE 93 STONEHAM MA

RELEASE

RTN: 3-0024728 ***Phase:***
Compliance Date: 5/30/2005 ***RAO Class:*** A1

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Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 3/29/2005
Source: VEHICLE
Reporting Category: TWO HR
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): FALLON RD AT RTE 93
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0024728
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0024728
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: DIESEL FUEL
Amount: 50
Units: GAL

Chemical: DIESEL FUEL
Amount: 40
Units: GAL

Action Information (BWSC)

Status: ISSUED ***F Name:***
Date: 29-Apr-2005 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD ***F Name:***
Date: 30-May-2005 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: APORAL ***F Name:***
Date: 29-Mar-2005 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 29-Mar-2005 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FOLOFF ***F Name:***
Date: 29-Mar-2005 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A1

RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 30-May-2005 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A1
Current Date: 30-May-2005 ***OHM:*** Oil
OFC Notification: 29-Mar-2005
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Site: ***YEUELL SCHOOL***
CRYSTAL ST WAKEFIELD MA RELEASE

RTN: 3-0024670 ***Phase:***
Compliance Date: 3/8/2006 ***RAO Class:*** A2
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** MUNICIPAL, SCHOOL
Notification Date: 3/1/2005 ***Site Name (BWSC):*** YEUELL SCHOOL
Source: PIPE ***Address (BWSC):*** CRYSTAL ST
Reporting Category: TWO HR ***Town (BWSC):*** WAKEFIELD
Site (EEA Data): YEUELL SCHOOL ***Zip Code (BWSC):*** 01880-0000
Rel Add(EEA Data): CRYSTAL ST ***OFC Town (BWSC):*** WAKEFIELD
Town (EEA Data): WAKEFIELD
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0024670
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0024670
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: FUEL OIL #2
Amount: 75
Units: GAL

Chemical: #2 HEATING FUEL OIL
Amount: 100
Units: GAL

Action Information (BWSC)

Status: ALSENT ***F Name:***
Date: 06-Feb-2006 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL ***F Name:***
Date: 01-Mar-2005 ***L Name:***
Action: IRA
Action Description: Immediate Response Action

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Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR ***F Name:***
Date: 02-May-2005 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FEEREC ***F Name:***
Date: 13-Mar-2006 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***F Name:***
Date: 08-Mar-2006 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***F Name:***
Date: 29-Mar-2005 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***F Name:***
Date: 06-Apr-2005 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***F Name:***
Date: 07-Mar-2005 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 22-Mar-2005 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: STRCVD ***F Name:***
Date: 06-Jul-2005 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Status or Interim Report Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 01-Mar-2005 ***L Name:***
Action: REL

Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***F Name:***
Date: 08-Mar-2006 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***F Name:***
Date: 01-Mar-2005 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FOLOFF ***F Name:***
Date: 10-Mar-2006 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 08-Mar-2006 ***OHM:*** Oil
OFC Notification: 01-Mar-2005
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Site: ***CORNER OF MAIN ST & BANK ST***
MAIN ST MELROSE MA

RELEASE

RTN: 3-0015424 ***Phase:***
Compliance Date: 10/20/1997 ***RAO Class:*** A1
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** RIGHTOFWAY, ROADWAY
Notification Date: 8/15/1997 ***Site Name (BWSC):*** CORNER OF MAIN ST & BANK ST
Source: PIPE, VEHICLE ***Address (BWSC):*** MAIN ST
Reporting Category: TWO HR ***Town (BWSC):*** MELROSE
Site (EEA Data): CORNER OF MAIN ST & BANK ST ***Zip Code (BWSC):*** 02176-0000
Rel Add(EEA Data): MAIN ST ***OFC Town (BWSC):*** MELROSE
Town (EEA Data): MELROSE
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0015424
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0015424
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: DIESEL FUEL
Amount: 20
Units: GAL

Chemical: DIESEL FUEL

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Amount: 30
Units: GAL

Action Information (BWSC)

Status: APORAL ***F Name:***
Date: 15-Aug-1997 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 14-Oct-1997 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED ***F Name:***
Date: 04-Sep-1997 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD ***F Name:***
Date: 20-Oct-1997 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 15-Aug-1997 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FOLFLD ***F Name:***
Date: 16-Aug-1997 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A1
Current Date: 20-Oct-1997 ***OHM:*** Oil
OFC Notification: 15-Aug-1997
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Site: ***BASIN 1***
MIDDLESEX FELLS RESERVOIR STONEHAM MA RELEASE

RTN: 3-0015235 ***Phase:***
Compliance Date: 10/16/1997 ***RAO Class:*** A2
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** WATERBODY
Notification Date: 6/23/1997 ***Site Name (BWSC):*** BASIN 1
Source: VEHICLE ***Address (BWSC):*** MIDDLESEX FELLS RESERVOIR
Reporting Category: TWO HR ***Town (BWSC):*** STONEHAM
Site (EEA Data): BASIN 1 ***Zip Code (BWSC):*** 02180-0000
Rel Add(EEA Data): MIDDLESEX FELLS RESERVOIR ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0015235
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0015235
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: LUBE OIL
Amount: 5
Units: GAL

Chemical: PETROLEUM
Amount: 20
Units: GAL

Chemical: DIESEL
Amount: 10
Units: GAL

Action Information (BWSC)

Status: FOLFLD ***F Name:***
Date: 23-Jun-1997 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: FLDISS ***F Name:***
Date: 23-Jun-1997 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Field NOR Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 23-Jun-1997 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: PLANWR ***F Name:***
Date: 10-Oct-1997 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

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Status: RAORCD ***F Name:***
Date: 16-Oct-1997 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 10-Oct-1997 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL ***F Name:***
Date: 23-Jun-1997 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 16-Oct-1997 ***OHM:*** Oil
OFC Notification: 23-Jun-1997
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Site: ***JUST PRIOR TO EXIT 34***
RTE 93 (SOUTH AND NORTH) STONEHAM MA RELEASE

RTN: 3-0025446 ***Phase:***
Compliance Date: 11/30/2006 ***RAO Class:*** A1
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** ROADWAY, STATE
Notification Date: 11/30/2005 ***Site Name (BWSC):*** JUST PRIOR TO EXIT 34
Source: PIPE, VEHICLE ***Address (BWSC):*** RTE 93 (SOUTH AND NORTH)
Reporting Category: TWO HR ***Town (BWSC):*** STONEHAM
Site (EEA Data): JUST PRIOR TO EXIT 34 ***Zip Code (BWSC):*** 02180-0000
Rel Add(EEA Data): RTE 93 (SOUTH AND NORTH) ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0025446
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0025446
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: GASOLINE
Amount: 15
Units: GAL

Chemical: DIESEL FUEL
Amount: 20
Units: GAL

Chemical: DIESEL FUEL

Amount: 45
Units: GAL

Action Information (BWSC)

Status: CSRCVD ***F Name:***
Date: 17-Nov-2006 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ALSENT ***F Name:***
Date: 10-Oct-2006 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Anniversary Letter Sent
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 30-Nov-2005 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 17-Nov-2006 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD ***F Name:***
Date: 30-Nov-2006 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: APORAL ***F Name:***
Date: 30-Nov-2005 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED ***F Name:***
Date: 18-Jan-2006 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FLDD1A ***F Name:***
Date: 30-Nov-2005 ***L Name:***

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Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Initial Compliance Field Response - Announced
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: PLANWR ***F Name:***
Date: 17-Nov-2006 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FEEREC ***F Name:***
Date: 01-Dec-2006 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: Fee Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: NON ***F Name:***
Date: 17-Oct-2006 ***L Name:***
Action: C&E
Action Description:
Status Description:
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A1
Current Date: 30-Nov-2006 ***OHM:*** Oil
OFC Notification: 30-Nov-2005
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Site: ***IN FRONT OF BEAR HILL PROSPECT ST WAKEFIELD MA*** RELEASE

RTN: 3-0023075 ***Phase:***
Compliance Date: 10/3/2003 ***RAO Class:*** A1
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** ROADWAY
Notification Date: 8/7/2003 ***Site Name (BWSC):*** IN FRONT OF BEAR HILL
Source: TRANSFORM ***Address (BWSC):*** PROSPECT ST
Reporting Category: TWO HR ***Town (BWSC):*** WAKEFIELD
Site (EEA Data): IN FRONT OF BEAR HILL ***Zip Code (BWSC):*** 01880-0000
Rel Add(EEA Data): PROSPECT ST ***OFC Town (BWSC):*** WAKEFIELD
Town (EEA Data): WAKEFIELD
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0023075
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0023075
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: TRANSFORMER OIL
Amount: 40
Units: GAL

Chemical: TRANSFORMER OIL
Amount: 30
Units: GAL

Action Information (BWSC)

Status: PRENOT ***F Name:***
Date: 07-Aug-2003 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: IRA Conducted Prior to Notification
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 07-Aug-2003 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 29-Sep-2003 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED ***F Name:***
Date: 08-Sep-2003 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: RAORCD ***F Name:***
Date: 03-Oct-2003 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A1
Current Date: 03-Oct-2003 ***OHM:*** Oil
OFC Notification: 07-Aug-2003
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Site: ***NO LOCATION AID 93 SOUTH BOUND OVER 128 STONEHAM MA*** RELEASE

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RTN: 3-0023804
Compliance Date: 8/23/2004
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 4/27/2004
Source: VEHICLE
Reporting Category: TWO HR
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): 93 SOUTH BOUND OVER 128
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0023804
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0023804
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class: A1
Chemical Type:
Location Type: ROADWAY
Site Name (BWSC): NO LOCATION AID
Address (BWSC): 93 SOUTH BOUND OVER 128
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: DIESEL FUEL OIL
Amount: 100
Units: GAL

Chemical: DIESEL
Amount: 100
Units: GAL

Action Information (BWSC)

Status: FLDISS
Date: 27-Apr-2004
Action: NOR
Action Description: Notice of Responsibility
Status Description: Field NOR Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

F Name:
L Name:

Status: REPORT
Date: 27-Apr-2004
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

F Name:
L Name:

Status: PLANWR
Date: 02-Jul-2004
Action: IRA
Action Description: Immediate Response Action
Status Description: Written Plan Received
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

F Name:
L Name:

Status: APORAL
Date: 27-Apr-2004
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

F Name:
L Name:

Status: RAORCD
Date: 23-Aug-2004
Action: RAO

F Name:
L Name:

Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FOLOFF
Date: 19-Jul-2004
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up Office Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

F Name:
L Name:

Status: REPORT
Date: 28-Jun-2004
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

F Name:
L Name:

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 23-Aug-2004
OFC Notification: 27-Apr-2004
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:

Category: TWO HR
Phase:
RAO Class: A1
OHM:

Site: ***NO LOCATION AID***
LINDENWOOD RD STONEHAM MA

RELEASE

RTN: 3-0019563
Compliance Date: 7/21/2000
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 5/22/2000
Source: PIPE
Reporting Category: TWO HR
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): LINDENWOOD RD
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0019563
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0019563
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Phase:
RAO Class: A2
Chemical Type: Oil
Location Type: RESIDNTIAL, ROADWAY
Site Name (BWSC): NO LOCATION AID
Address (BWSC): LINDENWOOD RD
Town (BWSC): STONEHAM
Zip Code (BWSC): 02180-0000
OFC Town (BWSC): STONEHAM

Chemical Information (BWSC)

Chemical: OIL
Amount: 15
Units: GAL

Chemical: PETROLEUM
Amount: 15
Units: GAL

Action Information (BWSC)

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Status: REPORT ***F Name:***
Date: 21-Jul-2000 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: APORAL ***F Name:***
Date: 22-May-2000 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: ISSUED ***F Name:***
Date: 20-Jun-2000 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: REPORT ***F Name:***
Date: 22-May-2000 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: CSRCVD ***F Name:***
Date: 21-Jul-2000 ***L Name:***
Action: IRA
Action Description: Immediate Response Action
Status Description: Completion Statement Received
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Status: RAORCD ***F Name:***
Date: 21-Jul-2000 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A2
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.

Release (BWSC) Detail

Prim ID: ***Category:*** TWO HR
Current Status: RAO ***Phase:***
Current St Desc: Response Action Outcome ***RAO Class:*** A2
Current Date: 21-Jul-2000 ***OHM:*** Oil
OFC Notification: 22-May-2000
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has not been reduced to background.
Other Rela:

Site: ***CORNER OF MAIN ST***
PLEASANT ST STONEHAM MA RELEASE

RTN: 3-0015413 ***Phase:***
Compliance Date: 10/30/1997 ***RAO Class:*** A1
Compliance Status: RAO ***Chemical Type:*** Oil
Compl Status Desc: Response Action Outcome ***Location Type:*** ROADWAY
Notification Date: 8/11/1997 ***Site Name (BWSC):*** CORNER OF MAIN ST
Source: PIPE, VEHICLE ***Address (BWSC):*** PLEASANT ST
Reporting Category: TWO HR ***Town (BWSC):*** STONEHAM

Site (EEA Data): CORNER OF MAIN ST ***Zip Code (BWSC):*** 02180-0000
Rel Add(EEA Data): PLEASANT ST ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0015413
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0015413
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: HYDRAULIC FLUID
Amount: 70
Units: GAL

Chemical: HYDRAULIC FLUID
Amount: 20
Units: GAL

Action Information (BWSC)

Status: RAORCD ***F Name:***
Date: 30-Oct-1997 ***L Name:***
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: FOLFLD ***F Name:***
Date: 12-Aug-1997 ***L Name:***
Action: RLFA
Action Description: Site Visit or Office Follow-up
Status Description: Follow-up or Other Field Response
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 11-Aug-1997 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: REPORT ***F Name:***
Date: 09-Oct-1997 ***L Name:***
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: ISSUED ***F Name:***
Date: 27-Aug-1997 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Status: APORAL ***F Name:***
Date: 11-Aug-1997 ***L Name:***

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Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 30-Oct-1997
OFC Notification: 11-Aug-1997
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:
Category: TWO HR
Phase:
RAO Class: A1
OHM: Oil

Site: ***NO LOCATION AID***
MAIN ST MELROSE MA

RELEASE

RTN: 3-0022170
Compliance Date: 12/2/2002
Compliance Status: RAO
Compl Status Desc: Response Action Outcome
Notification Date: 10/2/2002
Source: VEHICLE
Reporting Category: TWO HR
Site (EEA Data): NO LOCATION AID
Rel Add(EEA Data): MAIN ST
Town (EEA Data): MELROSE
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0022170
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0022170
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase:
RAO Class: A1
Chemical Type: Oil
Location Type: COMMERCIAL
Site Name (BWSC): NO LOCATION AID
Address (BWSC): MAIN ST
Town (BWSC): MELROSE
Zip Code (BWSC):
OFC Town (BWSC): MELROSE

Chemical Information (BWSC)

Chemical: DIESEL FUEL
Amount: 15
Units: GAL

Chemical: DIESEL FUEL
Amount: 100
Units: GAL

Action Information (BWSC)

Status: REPORT
Date: 02-Oct-2002
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
F Name:
L Name:

Status: REPORT
Date: 02-Dec-2002
Action: RNF
Action Description: Release Notification Form Received
Status Description: Reportable Release under MGL 21E
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release
F Name:
L Name:

has been eliminated.

Status: ISSUED
Date: 18-Oct-2002
Action: NOR
Action Description: Notice of Responsibility
Status Description: Correspondence Issued
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
F Name:
L Name:

Status: RAORCD
Date: 02-Dec-2002
Action: RAO
Action Description: Response Action Outcome -RAO
Status Description: RAO Statement Received (retired)
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
F Name:
L Name:

Status: APORAL
Date: 02-Oct-2002
Action: IRA
Action Description: Immediate Response Action
Status Description: Oral Approval of Plan or Action
RAO Class: A1
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
F Name:
L Name:

Release (BWSC) Detail

Prim ID:
Current Status: RAO
Current St Desc: Response Action Outcome
Current Date: 02-Dec-2002
OFC Notification: 02-Oct-2002
Phase Desc:
RAO Class Desc: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Other Rela:
Category: TWO HR
Phase:
RAO Class: A1
OHM: Oil

Site: ***MUNICIPAL ROADWAY***
NORTH AVENUE WAKEFIELD MA

RELEASE

RTN: 3-0031795
Compliance Date: 10/9/2013
Compliance Status: URAM
Compl Status Desc: Utility-abatement Measure
Notification Date: 10/2/2013
Source: CONDITION, HISTORIC, SITE, UNKNOWN
Reporting Category: 120 DY
Site (EEA Data): MUNICIPAL ROADWAY
Rel Add(EEA Data): NORTH AVENUE
Town (EEA Data): WAKEFIELD
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0031795
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0031795
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)
Phase:
RAO Class:
Chemical Type:
Location Type: MUNICIPAL, RIGHTOFWAY, ROADWAY
Site Name (BWSC): MUNICIPAL ROADWAY
Address (BWSC): NORTH AVENUE
Town (BWSC): WAKEFIELD
Zip Code (BWSC): 01880-0000
OFC Town (BWSC): WAKEFIELD

Chemical Information (BWSC)

Chemical: BENZO(A)PYRENE
Amount: 150
Units: MG/KG

Action Information (BWSC)

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Status: REPORT ***F Name:***
Date: 02-Oct-2013 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: INTENT ***F Name:***
Date: 02-Oct-2013 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Notice of Intent to Conduct a URAM
RAO Class:
RAO Class Desc:

Status: URAMLR ***F Name:***
Date: 07-Oct-2013 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Letter of Responsibility URAM or Municipality
RAO Class:
RAO Class Desc:

Status: CSRCVD ***F Name:***
Date: 16-Dec-2013 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: URAMNT ***F Name:***
Date: 09-Oct-2013 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Notification of URAM Received
RAO Class:
RAO Class Desc:

Status: RECPT ***F Name:***
Date: 16-Oct-2013 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: RECPT ***F Name:***
Date: 18-Oct-2013 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: SHPFAC ***F Name:***
Date: 19-Nov-2013 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class:
RAO Class Desc:

Status: SHPTMP ***F Name:***
Date: 19-Nov-2013 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Temporary Location
RAO Class:

RAO Class Desc:

Release (BWSC) Detail

Prim ID: ***Category:*** 120 DY
Current Status: URAM ***Phase:***
Current St Desc: Utility-abatement Measure ***RAO Class:***
Current Date: 09-Oct-2013 ***OHM:***
OFC Notification: 02-Oct-2013
Phase Desc:
RAO Class Desc:
Other Rela:

Site: ***@ 239 MAIN STREET***
MAIN STREET STONEHAM MA RELEASE

RTN: 3-0036273 ***Phase:***
Compliance Date: 5/20/2020 ***RAO Class:***
Compliance Status: URAM ***Chemical Type:***
Compl Status Desc: Utility-abatement Measure ***Location Type:*** RIGHTOFWAY, ROADWAY
Notification Date: 5/15/2020 ***Site Name (BWSC):***
Source: ***Address (BWSC):***
Reporting Category: 120 DY ***Town (BWSC):***
Site (EEA Data): @ 239 MAIN STREET ***Zip Code (BWSC):***
Rel Add(EEA Data): MAIN STREET ***OFC Town (BWSC):***
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0036273
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0036273
Report Source: Waste Site & Reportable Releases Results (EEA Data Portal)

Action Information (BWSC)

Status: REPORT ***F Name:***
Date: 15-May-2020 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: INTENT ***F Name:***
Date: 15-May-2020 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Notice of Intent to Conduct a URAM
RAO Class:
RAO Class Desc:

Site: ***NO LOCATION AID***
COTTAGE STREET STONEHAM MA RELEASE

RTN: 3-0034235 ***Phase:***
Compliance Date: 5/10/2017 ***RAO Class:***
Compliance Status: URAM ***Chemical Type:*** Hazardous Material
Compl Status Desc: Utility-abatement Measure ***Location Type:*** RIGHTOFWAY, ROADWAY
Notification Date: 5/4/2017 ***Site Name (BWSC):*** NO LOCATION AID
Source: FILL, SUSPECTED, UNKNOWN, URBAN ***Address (BWSC):*** COTTAGE STREET
Reporting Category: 120 DY ***Town (BWSC):*** STONEHAM
Site (EEA Data): NO LOCATION AID ***Zip Code (BWSC):*** 02180-0000
Rel Add(EEA Data): COTTAGE STREET ***OFC Town (BWSC):*** STONEHAM
Town (EEA Data): STONEHAM
Phase Desc:
RAO Class Desc:
Info URL: https://eeaonline.eea.state.ma.us/Portal#!/wastesite/3-0034235
Docs URL: https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=3-0034235

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Report Source: Waste Site & Reportable Releases Results (EEA Data Portal); Waste Site Cleanup Notifications & Status - Release (BWSC)

Chemical Information (BWSC)

Chemical: BENZO[A]PYRENE
Amount: 4.31
Units: MG/KG

Action Information (BWSC)

Status: REPORT ***F Name:***
Date: 04-May-2017 ***L Name:***
Action: REL
Action Description: Release Disposition
Status Description: Reportable Release under MGL 21E
RAO Class:
RAO Class Desc:

Status: RECPT ***F Name:***
Date: 07-Jun-2017 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Transmittal, Notice, or Notification Received
RAO Class:
RAO Class Desc:

Status: SHPFAC ***F Name:***
Date: 22-Jan-2018 ***L Name:***
Action: BOL
Action Description: Bill of Lading
Status Description: Remediation was Shipped to a Facility
RAO Class:
RAO Class Desc:

Status: CSRCVD ***F Name:***
Date: 24-Jan-2018 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Completion Statement Received
RAO Class:
RAO Class Desc:

Status: STRCVD ***F Name:***
Date: 31-Aug-2017 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Status or Interim Report Received
RAO Class:
RAO Class Desc:

Status: URAMLR ***F Name:***
Date: 08-May-2017 ***L Name:***
Action: NOR
Action Description: Notice of Responsibility
Status Description: Letter of Responsibility URAM or Municipality
RAO Class:
RAO Class Desc:

Status: INTENT ***F Name:***
Date: 04-May-2017 ***L Name:***
Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Notice of Intent to Conduct a URAM
RAO Class:
RAO Class Desc:

Status: URAMNT ***F Name:***
Date: 10-May-2017 ***L Name:***

Action: URAM
Action Description: Utility-related Abatement Measure
Status Description: Notification of URAM Received
RAO Class:
RAO Class Desc:

Release (BWSC) Detail

Prim ID: ***Category:*** 120 DY
Current Status: URAM ***Phase:***
Current St Desc: Utility-abatement Measure ***RAO Class:***
Current Date: 10-May-2017 ***OHM:*** Hazardous Material
OFC Notification: 04-May-2017
Phase Desc:
RAO Class Desc:
Other Rela:

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Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Mar 26, 2020

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Apr 27, 2020

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Apr 27, 2020

Deleted NPL: DELETED NPL

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.

Government Publication Date: Apr 27, 2020

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: May 22, 2020

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: May 22, 2020

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: May 4, 2020

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info 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. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: May 4, 2020

RCRA Generator List: RCRA LQG

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: May 4, 2020

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RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: May 4, 2020

RCRA Conditionally Exempt and Very Small Quantity Generators List: RCRA CESQG

RCRA Info is the 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt and Very Small Quantity Generators (VSQG and CESQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG and CESQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: May 4, 2020

RCRA Non-Generators: RCRA NON GEN

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: May 4, 2020

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Feb 26, 2020

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Feb 26, 2020

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 25, 2019

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Sep 3, 2019

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Oct 8, 2019

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Jan 13, 2020

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: May 22, 2020

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Apr 27, 2020

State

Waste Site Cleanup Notifications/Reportable Releases: RELEASE

This database contains information on all releases of oil and hazardous materials that have been reported to the Massachusetts Department of Environmental Protection (MassDEP).

Government Publication Date: Jun 8, 2020

Delisted Waste Site Cleanup Notification Sites: DELISTED REL

List of sites which no longer appear on the Waste Site Cleanup Notifications Site List published by the Massachusetts Department of Environmental Protection (MassDEP). Sites no longer appear on the public site list when, after investigation, it is determined that the release was below reporting thresholds, or that the site is not classified as a 21E site.

Government Publication Date: Jun 8, 2020

Solid Waste Facilities: SWF/LF

The Solid Waste Facility Master List provides information on landfills/dumping grounds, handling/transfer facilities, and combustion facilities. These solid waste operations in Massachusetts require site assignment and permitting by MassDEP's Bureau of Waste Prevention under 310 CMR 16.000 & 19.000.

Government Publication Date: Jan 14, 2020

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Tank Related Leaks and Spills: LST

Records of Tank Related Leaks and Spills made available by the Massachussetts Department of Environmental Protection (DEP). When a release occurs from a storage tank or system, the owner/operator must notify the DEP. This database contains a listing of releases and spills from tanks and/or tank systems both above and underground.

Government Publication Date: Sep 8, 2017

Leaking Underground Storage Tanks (LUST): LUST

Sites that are within the Waste Site Cleanup Notifications/Reportable Releases Database that have a UST listed as source.

Government Publication Date: Jun 8, 2020

Leaking Aboveground Storage Tanks (LAST): LAST

Sites that are within the Waste Site Cleanup Notifications/Reportable Releases Database that have a AST listed as source.

Government Publication Date: Jun 8, 2020

Delisted Leaking Storage Tanks: DELISTED LST

This database contains a list of leaking storage tank sites that were removed from the Massachusetts Department of Environmental Protection (DEP) above and underground tank system.

Government Publication Date: Jun 8, 2020

Historic Leaking Underground Storage Tanks that occurred prior to October 1st 1993: HIST LUST

List of leaking underground storage tank incidents from the Spills Database used by the Waste Site Cleanup program at the Massachusetts Department of Environmental Protection 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 databases described above. Note that these files are considered a permanent version of the Spills Database and are unlikely to be updated.

Government Publication Date: Prior to Oct 1, 1993

Historic Leaking Aboveground Storage Tanks that occurred prior to October 1st 1993: HIST LAST

List of leaking aboveground storage tank incidents from the Spills Database used by the Waste Site Cleanup program at the Massachusetts Department of Environmental Protection 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 databases described above. Note that these files are considered a permanent version of the Spills Database and are unlikely to be updated.

Government Publication Date: Prior to Oct 1, 1993

Underground Storage Tanks (UST): UST

The Underground Storage Tank (UST) Program is a major component of the Massachusetts groundwater resource protection effort. This is a listing of all underground storage tanks registered in Massachusetts.

Government Publication Date: May 8, 2020

Aboveground Storage Tanks: AST

List of Aboveground Storage Tanks registered with the MA Department of Fire Services. Addresses provided by DFS are owner addresses, which may or may not coincide with the physical location of the tanks.

Government Publication Date: May 13, 2020

Delisted Storage Tanks: DELISTED STORAGE TANK

This database contains a list of storage tank sites that were removed from the Massachusetts Department of Environmental Protection storage tank database.

Government Publication Date: May 8, 2020

Sites with Activity and Use Limitations: AUL

The approximate location of oil or hazardous material release/disposal sites where an AUL has been filed. An AUL provides notice of the presence of oil and/or hazardous material contamination remaining at the location after a cleanup has been conducted pursuant to Chapter 21E and the MCP. The AUL is a legal document that identifies activities and uses of the property that may and may not occur, as well as the property owner's obligation and maintenance conditions that must be followed to ensure the safe use of the property. The complete AUL is filed at the County Registry of Deeds office for the respective City/Town.

Government Publication Date: Jun 8, 2020

Completed Brownfields Covenants: BROWNFIELDS COV

List of sites with Completed Brownfields Covenants made available by the Massachusetts Department of Environmental Protection (MassDEP). Under Massachusetts law, M.G.L. c. 21E provides the Attorney General's Office with the authority to enter into Brownfields Covenant Not to Sue Agreements for brownfields sites not addressed by the automatic liability protections.

Government Publication Date: Jun 5, 2017

Massachusetts Brownfield Tracking: BROWNFIELDS

List of reported releases at properties that meet the unofficial definition of a Brownfield site in Massachusetts, described as a real property whose redevelopment may be complicated by actual or perceived contamination by oil or hazardous materials. These properties are typically abandoned or for sale or lease and have been used for commercial or industrial purposes. Although the presence of contamination - or the fear of potential contamination - and the desire to redevelop/re-use a property is all it takes to be considered a candidate for brownfield incentives, a property's inclusion on this list does not automatically qualify it as a "Brownfield" site under other regulations, including Massachusetts Department of Energy Resources (DOER) regulations.

Government Publication Date: Dec 31, 2018

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST

Leaking Underground Storage Tanks (LUSTs) in Region 1. There are no LUST records in Massachusetts at this time.

Government Publication Date: Oct 14, 2017

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

Underground Storage Tanks (USTs) on Tribal/Indian Lands in Region. There are no UST records in Massachusetts at this time.

Government Publication Date: Oct 14, 2017

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites: PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Jul 7, 2020

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Mar 25, 2020

Toxics Release Inventory (TRI) Program: TRIS

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The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.
Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI
List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.
Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER
The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.
Government Publication Date: Dec 20, 2019

Hazardous Materials Information Reporting System: HMIRS
US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.
Government Publication Date: Jan 8, 2020

National Clandestine Drug Labs: NCDL
The U.S. Department of Justice ("the Department") provides this data 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.
Government Publication Date: Mar 19, 2020

Toxic Substances Control Act: TSCA
The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).
Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA
The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.
Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN
An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP
An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP
Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.
Government Publication Date: May 22, 2020

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER
The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.
Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS
The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.
Government Publication Date: Nov 18, 2016

Drycleaner Facilities: FED DRYCLEANERS
A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.
Government Publication Date: Jan 20, 2020

Delisted Drycleaner Facilities: DELISTED FED DRY
List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).
Government Publication Date: Jan 20, 2020

Formerly Used Defense Sites: FUDS
Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.
Government Publication Date: Jan 28, 2020

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT
A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.
Government Publication Date: Oct 31, 2019

Material Licensing Tracking System (MLTS): MLTS
A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.
Government Publication Date: Oct 31, 2019

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS
A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.
Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES
The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.
Government Publication Date: Nov 6, 2019

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Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Jun 22, 2020

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 31, 2020

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Oct 9, 2019

State

Oil Spill Program: SPILLS

The Massachusetts' Energy and Environmental Affairs' Department of Environmental Protection (DEP) manages The Bureau of Waste Site Cleanup and is responsible with ensuring immediate and effective response to environmental emergencies, such as oil spills, as well as timely assessment and cleanup of oil and hazardous waste disposal sites by parties responsible for them.

Government Publication Date: Nov 27, 2017

Historic Spills that occurred prior to October 1st 1993: HIS SPILLS

List of spill incidents from the Spills Database used by the Waste Site Cleanup program at the Massachusetts Department of Environmental Protection 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 databases described above. Note that these files are considered a permanent version of the Spills Database and are unlikely to be updated.

Government Publication Date: Prior to Oct 1, 1993

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

A list of releases reported to the Massachusetts Department of Environmental Protection (MassDEP) where the chemical is in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Jun 8, 2020

Tier Classified Oil and/or Hazardous Material Sites: OIL & HAZ MAT

List of approximate locations of oil and/or hazardous material disposal sites that have been (1) reported and (2) Tier Classified under M.G.L. Chapter 21E and the Massachusetts Contingency Plan (MCP). This listing has been made available by Massachusetts Department of Environmental Protection (MassDEP).

Government Publication Date: Apr 6, 2020

Hazardous Waste and Waste Oil Generators: GEN

List of permanent generator identification numbers for Massachusetts generators of hazardous waste and waste oil that have registered with or notified the Massachusetts Department of Environmental Protection (MassDEP) of their hazardous waste activities as defined in 310 CMR 30.00, the Massachusetts Hazardous Waste Regulations.

Government Publication Date: Jul 17, 2020

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

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Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



Project Property: Stoneham High School, Stoneham, MA
149 Franklin St
Stoneham MA 02180

Project No: 20-1756

Requested By: FS Engineers, Inc.

Order No: 20200728242

Date Completed: July 29, 2020

Please note that no information was found for your site or adjacent properties.

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Project Property: *Stoneham High School, Stoneham, MA*
149 Franklin St
Stoneham, MA 02180
Project No: *20-1756*
Requested By: *FS Engineers, Inc.*
Order No: *20200728242*
Date Completed: *July 30, 2020*

Environmental Risk Information Services
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July 30, 2020
RE: CITY DIRECTORY RESEARCH
Stoneham High School, Stoneham, MA
149 Franklin St Stoneham, MA

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
140-160 of Franklin Street

Search Results Summary

Date	Source	Comment
2018	DIGITAL BUSINESS DIRECTORY	
2014	DIGITAL BUSINESS DIRECTORY	
2010	DIGITAL BUSINESS DIRECTORY	
2006	COLE	
2000	COLE	
1995	COLE	
1991	COLE	
1985	COLE	
1975	COLE	
1970	COLE	
1966	NEW ENGLAND TELEPHONE COMPANY	
1963	NEW ENGLAND TELEPHONE COMPANY	
1955	NEW ENGLAND TELEPHONE COMPANY	
1950	NEW ENGLAND TELEPHONE COMPANY	
1945	NEW ENGLAND TELEPHONE COMPANY	
1943	NEW ENGLAND TELEPHONE COMPANY	
1937	NEW ENGLAND TELEPHONE COMPANY	

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Environmental Risk Information Services
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2018 FRANKLIN STREET
SOURCE: DIGITAL BUSINESS DIRECTORY

149 **STONEHAM HIGH SCHOOL BSTR CLB**...*Educational Service-business*
149 **STONEHAM PUBLIC SCHOOLS**...*Schoolsuniversities & Colleges Academic*
149 **STONEHAM PUBLIC SCHOOLS**...*Schools*
149 **STONEHAM SPECIAL EDUCATION**...*Schoolsuniversities & Colleges Academic*
149 **STONEHAM SPECIAL EDUCATION**...*Schools*

2014 FRANKLIN STREET
SOURCE: DIGITAL BUSINESS DIRECTORY

140 **ARBOR AT STONEHAM**...*Nonclassified Establishments*
140 **ATM**...*Commercial Banking*
140 **ROTONDI REALTY CORP**...*Offices Of Real Estate Agents & Brokers*
140 **STOP SAVE**...*Convenience Stores*
140 **STOP & SAVE**...*Grocers-retail*
149 **STONEHAM HIGH SCHOOL**...*Elementary & Secondary Schools*
149 **STONEHAM PUBLIC SCHOOLS**...*Educational Support Svcs*
149 **STONEHAM SCHOOL SUPERINTENDENT**...*Elementary & Secondary Schools*
149 **STONEHAM SPECIAL EDUCATION**...*Elementary & Secondary Schools*
149 **TOWN OF STONEHAM HIGH SCHOOL**...*Elementary & Secondary Schools*

2010 FRANKLIN STREET
SOURCE: DIGITAL BUSINESS DIRECTORY

140 **STOP N SAVE**...*Convenience Stores*
149 **STONEHAM HIGH SCHOOL**...*Elementary & Secondary Schools*
149 **STONEHAM PUBLIC SCHOOLS**...*Elementary & Secondary Schools*
149 **STONEHAM SPECIAL EDUCATION**...*Elementary & Secondary Schools*
155 **PARRISH RELICS**...*Jewelry Stores*
155 **WALK-ABOUT**...*Support Activities For Animal Production*

2006 FRANKLIN STREET - A
SOURCE: COLE

138★D & R General Contracting Inc 87 781.438.7772
139 Deborah Jean Colucci ..... 87●781.438.9207
140} Artamia J Fulchino ..... 01 NP
★Macs Convenience Stores Llc 04 781.438.9715
★Rotondi S & Sons Inc 93 781.438.0351
141 Adriano V Silva ..... 03●781.279.1242
Kathleen L Silva ..... 03●781.279.1242
146 ..... NP
147 Brent A McDonald ..... 94●781.279.2876
Jennifer A McDonald ..... 94●781.279.2876
148 John Michael Degeorge .... 73●781.438.2529
149★Stoneham Public Schools 81 781.279.3814
150◊ Catherine M Doucet ..... 89●781.279.0197
◊ Stephen L Doucet ..... 89●781.438.6225
★Doucet Remodeling & Design Inc 88 781.279.0197
★Doucet Remodeling Co... 89 781.438.6225
152 Apartments
R♣Marie E McCarthy ..... 04● NP
R♣Timothy F McCarthy ..... 04● NP
155★Walk About..... 99 781.438.4447
Edward W Walters..... 53● NP
157 Apartments
IC4 Masih Alim-Marvasti ..... 98● NP
D4 Karen K Allan ..... 80●781.438.6590
ID5 Michael Amico Jr ..... 02● NP
B7 Michelle Elaine Amico ..... 92●781.438.4420

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2006 — FRANKLIN STREET - B

SOURCE: COLE

E7	Robert G Baird	81		NP
	K Becker	03		NP
C5	Dominic S Cesarale	72	781	438 7633
C5	Eleanor Cesarale	72	781	438 7633
E5	Priscilla A Curran	95	781	279 4038
E5	Roger E Curran	95	781	279 4038
	Manuel Dalamangas	04		NP
E8	Rachelle Y Despres	01		NP
	Y Dolgoplosk	04	781	438 2169
C3	Catherine C Donovan	99	781	279 0030
E2	Thomas Francis Doody Jr	96	781	438 7239
A11	Christine Dubuc	+		NP
B6	John M Eskiome	+		NP
	Michael Flett	03		NP
IA5	Noreen M Gardner	02	781	438 3423
IA5	William H Gardner	02	781	438 3423
IE4	Richard F Greene	02		NP
B8	Kathleen M Hannigan	94	781	279 9176
	John Horne	81	781	438 7927
B2	Mark R Hurynowicz	01	781	438 3858
D3	Marilyn Victoria Huttunen	84		NP
B1	Carol D Johnston	82	781	279 4793
D6	Mary Kay Kobylinski	00	781	279 2191
D8	Marie Lanzarone	02	781	279 2111
	Rhyan Lawrence	03		NP
	Richard Lemerise	03		NP
	Debra Levine	03	781	435 1690
B3	Janet L Lovering	97		NP
IB4	Donna R Macdonald	83	781	438 4132
IE1	Jeffrey C Madden	02	781	481 9301
IE1	Jennifer J Madden	02	781	481 9301
IC2	Jutta V Malden-Donahue	04		NP
2	Ronald Richard Malloch	+	781	438 3163
C4	Masih A Marmasti	97	781	438 3898
	Harry Martell III	03	781	438 5988
IE7	Roberta M McCain	04		NP
A4	Robert A Mercer Jr	87	781	438 2257
E3	Helen M Nelson	95	781	279 4739
A9	Frederick E Plumer	00	781	438 4233
D1	Monica A Rahman	99	781	438 3193
D1	Yamin Rahman	99	781	438 3193
A	Jesus Manuel Reyes	99		NP
A1	Eileen V Russo	91	781	438 6575
IC3	Shivran Siddhu	04		NP
E6	Shivran M Siddhu	99	781	438 4742
B5	Velina Stoeva	04		NP
B5	Vladimir Stoeva	04		NP
IA11	Andy Tsai	03		NP
IC6	Antonietta Vestinl	03		NP
IC6	Flora Vestini	03		NP
ID7	Karen L Wagner	01	781	438 7138
B7	Alice S Will	92	781	438 4420
158	Julia F Sweeney	03	781	279 1387
	William T Sweeney Sr	03	781	279 1387
159	**Apartments**			
E6	Natalie P Baldini	00	781	279 1810
D1	Paula A Bossi	97	781	438 2427
A3	Ryan J Cain	03		NP
	Shu Jiao Chen	+	781	438 1738
	Stacey M Connor	03	781	279 4088
IIC8	Alicia C Dargan	94		NP
IIC4	Bhavik Desai	04	781	279 1343
B4 ◇	Josephine M Dicicco	99	781	279 0731
	Sean Doherty	01		NP
E7	Danielle Donnelly	94	781	279 3512
IIE3	Pamela Elkins	04		NP
B7	Michael D Feldman	99	781	279 0601
A2	Anthony J Fusco	98	781	279 1231
A1	S Girard	+		NP
A7	Matthew D Gloor	94		NP
D4	Rosalind Graham	+		NP
11	Rosalind A Graham	+		NP
D3	John A Gregorio	84	781	279 0967
A5	Susan E Hadsell	80	781	438 9659
B3	Sandra C Hatch	94	781	438 3788
IIE8	Joan Helgeland	04		NP
IIE8	Walter Helgeland	04		NP
	Tereza Jaquez	03	781	438 8683
C1	Anne J Jarema	+		NP
IIA3	Jonathan S Kerble	03		NP
B6	Deborah A Lashley	03	781	279 4109
B6	Leon Z Lashley	03	781	279 4109
	Enrica M Lopriore	03	781	279 4088
E5	Edward L Lyons	01	781	438 5917
IIE1	Raymond E Macone Jr	02		NP
IIA4 ◇	Cynthia A Maniscalco	99	781	438 7564
IIA4 ◇	Salvatore B Maniscalco	99	781	438 7564
IIC7	Rosann Morello	+		NP
	Maria M Nunes	04	781	438 6393
C5	Virginia A Patno	03		NP
B2	Alfred F Penta	98	781	438 6918
	Rose Plaza	04	781	438 0281
	Eileen Quinn-Sinclai	03		NP
4	Deborah J Robison	92		NP
D8	Gail P Simmons	84	781	438 6719
D8	Linita E Simmons	84	781	438 6719
	Eileen Q Sinclair	02	781	438 7560
	John Stephen Sinclair	02	781	438 7560
IIA6	E M Sinclair-Quinn	96		NP
B1	Nancy C Turczyn	02		NP
IIB1 ◇	Nancy Turxzyn	04		NP
B8	Gi Kai Wang	94	781	279 0226
D5	Bambi Warner	+		NP
D6	Bambi M Warner	+		NP
D6	Chester F Warner Jr	+		NP
IIC6	Rev Jian Zhang	+		NP
160	Mark L Savage	01	781	435 121
	Stephen A Savage	01	781	435 121
162	Donna B Weiss	55	781	438 289
165	Jean M Ohalloran	03		NP
	John W Ohalloran	03		NP

2000 — FRANKLIN STREET

SOURCE: COLE

138 ★	D&R Coatng Inc	98	781	438 7772
139	Debbie Colucci	96	781	438 9207
★	Affinity Rehab	97	781	279 1141
140	A Rotondi	84	781	438 2317
★	Dairy Mart	90	781	438 9715
★	Rotondi S&Sns Inc		781	438 0351
★	Wash & Dry	89	781	438 9798
141	David Clarkson	H	781	438 8729
	Jason Demers	H	781	438 8729
146	William A Fiore		781	438 3061
147	J B McDonald		781	279 4079
	Paul Mc Donald	H	781	279 4055
148	John M De George	86	781	438 2529
149 ★	Stnhm Pub Schools	96	781	279 3801
★	Stnhm Pub Schools	96	781	279 3802
★	Stnhm Pub Schools	96	781	279 3806
★	Stnhm Pub Schools	96	781	279 3804
★	Stnhm Pub Schools	96	781	279 3803
★	Stnhm Pub Schools	96	781	279 3805
★	Stnhm Pub Schools	96	781	279 3807
★	Stnhm Pub Schools	93	781	279 3800
★	Stnhm Pub Schls		781	279 3850
★	Stnhm Pub Schools	96	781	279 3810
★	Stnhm Pub Schools	96	781	279 3814
★	Stnhm Pub Schools	96	781	279 3825
★	Stnhm Pub Schools	96	781	279 3815
★	Stoneham Pub Schls	93	781	279 3800
★	Stnhm Twn Schl Dpt	96	781	279 3800
★	Stnhm Twn Schl Dpt	96	781	279 3801
★	Stnhm Twn Schl Dpt	96	781	279 3802
★	Stnhm Twn Schl Dpt	96	781	279 3803
★	Stnhm Twn Schl Dpt	96	781	279 3804
★	Stnhm Twn Schl Dpt	96	781	279 3806
★	Stnhm Twn Schl Dpt	96	781	279 3807
★	Stnhm Twn Schl Dpt	H	781	279 3808
★	Stnhm Twn Schl Dpt	98	781	279 3809
★	Stnhm Twn Schl Dpt	96	781	279 3810
★	Stnhm Twn Schl Dpt	96	781	279 3814
★	Stnhm Twn Schl Dpt	96	781	279 3815
150	Robert Culhane		781	279 0306
	Stephen Doucet	98	781	279 0197
	Stephen L Doucet	91	781	438 6225
152			NP	
155	E W Walters	94	781	438 1497
	H Walters	74	781	438 1028
★	Walk About	98	781	438 4447
157	A A Allan	81	781	438 6590
	Robert Baird	81	781	438 7648
	P Burke	H	781	438 5465
	Frank P Cesarale	81	781	438 7633
	P Curran	98	781	279 4038
	Catherine Donovan	H	781	279 0030
	Thomas F Doody Jr	97	781	438 7239
	Maureen A Duggan	97	781	279 0561
	William H Gardner	98	781	438 0438
	John Horne	81	781	438 7927
	C Johnston	91	781	279 4793
	J L Lovering	98	781	438 2474
	D R Mac Donald	81	781	438 4132
	C Madden	H	781	481 9301
	Sean Mahoney	96	781	438 0957
	Masih Marmasti	98	781	438 3898
	Robert A Mercer Jr	91	781	438 2257
	Roland W Nelson	96	781	279 4739
	F E Plumer	94	781	438 4233
	C Reil	H	781	279 2317
	Eileen V Russo	98	781	438 6575
	Shivran Siddhu	88	781	438 4742
158	R Pitt	96	781	279 4232
	Al Richer	H	781	438 7186
159	**Apartments**			
D1	P Bossi	97	781	438 2427
	Robert K Boyle	H	781	438 9580
C7	Kristen Chardo	98	781	279 9121
	Daniel Cinelli	H	781	481 9395
	Robert F Cinelli		781	438 1431
	J M Dicicco	84	781	279 0731
E7	Thomas E Donnelly	97	781	279 3214
	D Donnely	97	781	279 3512
	P J Elkins	98	781	279 7739
	Anthony Fusco	H	781	279 9855
D3	John A Gregorio	84	781	279 0967
	S E Hadsell	81	781	438 9659
	S C Hatch	H	781	438 3788
D4	M L Heafey	85	781	438 7157
	Richard Jacques	H	781	481 9156
C1	L M Johnston	95	781	438 9173
A3	Michelle Leger	93	781	438 4891
IA	Forrest H Linscott	98	781	279 0413
	C Manscalco	95	781	438 7564
D4	B J Matthews	92	781	438 7157
	Alfred Penta	98	781	438 6918
E6	Michael F Ryan	98	781	279 0264
D8	Gail Simmons	94	781	438 6719
A6	John S Sinclair	94	781	438 7560
E8	C P Somerville	94	781	279 1015
	Kenneth M Vaughn		781	279 3012
D7	Michael Wainer	94	781	438 0182
	G Wang	98	781	279 0226
A3	Julie Warren	98	781	279 1487
D6	Hui Ye	96	781	279 2925
162	Manuel Weiss	81	781	438 2895
165	T Laudenslager	96	781	279 3305

1995 — FRANKLIN STREET - A

SOURCE: COLE

139	N J Phinney	93	438	2220
★	Franklin St Medcl	87	438	6132
★	Ultra Care Rehb As	92	438	6132
140	A Rotondi	84	438	2317
★	Dairy Mart	90	438	9715
★	S Rotondi&Sons		438	0351
★	Wash&Dry	89	438	9798
—	**EMERALD CT**			
141	N A Vallarelli	72	438	3403
146	William A Fiore	63	438	3061
147	N Smith-Evers	91	438	5716
148	John M Degeorge	86	438	2529
149 ★	Stoneham Pblc Schl	93	279	3800
★	Twn Schl Superintd	93	279	3800
★	Twn Schl Ast Suprt	93	279	3801
★	Twn Schl Bsnss Ofc	93	279	3802
★	Twn Schl Dir Sp Sv	93	279	3803
★	Twn Schl Caftr Dir	93	279	3804
★	Twn Schl Athlt Dir	93	279	3806
★	Twn Schl Media Dpt	93	279	3807
★	Twn Schl Data Prcs	93	279	3809
★	Twn Schl Hs Ofc	93	279	3810
★	Twn Schl Prgm Supv	93	279	3814
★	Twn Schl Prgm Supv	93	279	3815
★	Twn Schl Dpt Nurse	82	438	5717
150	Stephen L Doucet	91	438	6225
152	Timothy F McCarthy	91	279	1047
—	**FRANKLIN PL**			
155	E W Walters	H	438	1497
	Edward Walters	74	438	1028
157	**Apartments**			
ID4	A A Allan	81	438	6590
IE7	Robert Baird	81	438	7648
	Dianne Bishop	H	438	8236
	Frank Burke	H	438	4213
	K A Burke	93	438	6763
	Catherine Capozzi	90	438	7385
	Frank P Cesarale	81	438	7633
	P Curran	H	279	4268
IE6	Arthur Dunn	83	438	5709
	Andrew Forbes	93	438	9752
	Kevin Harrington	93	438	9752
	John Horne	81	438	7927
	A C Itkin	H	279	1821
IB1	C Johnston	91	279	4793
	Banaras Khen	90	279	4836
	Tim Lally	H	438	7689
B6	Jim Lamattina	92	438	6343
D7	Stacey Landers	92	438	8831
ID2	K Lane	91	279	4936
IB4	D R MacDonald	81	438	4132
	Alluri Mahenber	H	279	4592
	Robert A Mercer Jr	91	438	2257
	David Murphy	H	438	1396
	Fe Plumer	H	438	4233
	S P Scarpa	93	438	6763
	S Segalman	93	279	1966
6	Shivran Siddhu	88	438	4742
158	Mrs I Rotondi	63	438	4482
159				
II-A	Michael Barbati	87	438	2358
	David Bernard	H	279	1843
E6	Tracy Capobianco	93	279	2426
	K Connello	93	279	2344
	V Diamantakis	93	438	4931
	J M Dicicco	84	279	0731
D1	Joseph Dwyer	93	438	9738
B3	Joseph A Fallon	84	438	7043
	Anthony Fusco	91	279	9161
C1	Fernando Galdos	85	438	2463
D3	John A Gregorio	84	279	0967

1995 — FRANKLIN STREET - B

SOURCE: COLE

159	S E Hadsell	81	438	9659
6	Herbert Hanna	93	438	5705
IID	M L Healey	85	438	7157
6	Stephen J Kelley	81	438	0203
	Paul W Kwan	H	438	5828
A3	Michelle Leger	93	438	4891
IIB	John P Limberis	81	438	1057
II	J Madigan	88	438	7513
IID	B J Matthews	92	438	7157
	H F McCarthy	H	279	3208
II	K McGee	89	279	0849
	Ed Melanson	92	438	9611
C3	Joseph A Meuse	81	438	6854
	Denis O'Loughlin	H	279	4434
	L Schromm	H	279	4550
	Gail Simmons	H	438	6719
	John S Sinclair	H	438	7560
	C P Somerville	H	279	1015
	Michael Wainer		438	0182
★	Natl Mgmt Assocs	88	438	1900
162	Manuel Weiss	81	438	2895
165	**Apartments**			
	Ken Hogan	89	438	8403
2	Richard Yazinka	93	438	8692

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1991 — FRANKLIN STREET
SOURCE: COLE

139	★ Franklin St Medcl	87	¤	438-9715
140	★ Dairy Mart	84		438-2317
	A Rotondi			438-0351
	★ S Rotondi&Sons			438-9798
	★ Wash&Dry	89		
—	EMERALD CT			
141	N A Vallarelli	72		438-3403
146	William A Fiore	63		438-3061
147	Bernard M Halpin	63		438-0178
148	John M Degeorge	86		438-2529
149	★ Twn Data Processng	89		438-0600
	★ Twn High School			438-5717
	★ Stoneham Sch Nurse	82	⊙	438-5717
	★ Twn Phys Ed&Ath Dr	82		438-2979
	★ Twn Supt Schools			438-0601
150	Stephen L Doucet	89	●	438-6225
152	Timothy Murray	87		438-0959
—	FRANKLIN PL			
155	Edward Walters	74		438-1028
157	A A Allan	81		438-6590
	J Alosa		¤	279-4639
	K Bailey		¤	438-6046
	Robert Baird	81		438-7648
	Chas Boyd		¤	279-2311
	Rita Bryant	88		279-2129
	Robin Burns		¤	438-6458
	Catherine Capozzi		¤	438-7385
	Frank P Cesarale	81		438-7633
	J Crapa		¤	279-4639
	E J Delaney	89		438-7683
	Lawrence R Donovan	–		279-4546
	Arthur Dunn	83		438-5709
	Helda Eilla		¤	438-4387
	Barbara Gardner	85		438-8525
	Tamora Gooding	–		438-7385
	M A Hammond	89		279-0999
	John Horne	81		438-7927
	D Hunt	87		279-0630
	A Karsh	81		438-5607
	Glen Kazerman		¤	279-2259
	M A Kennedy	87	●	279-1085
	D R MacDonald	81		438-4132
	Timothy D McHugh	86	●	279-0786
	Steven Meadows		¤	279-4638
	Thos Mulford	87		279-9158
	James ONeill	88		279-0364
	L Pitman	88		279-2129
	V Pothier		¤	279-4489
	Boris Rosenbaum	86		438-1096
	Shivran Siddhu	88	●	438-4742
	D Swett		¤	279-4639
	Scott Turner	89		279-0435
	Aldo A Voci	87	●	438-9163
	B N Waxman	86	●	279-0307
158	N L Reilly	85		438-9442
	Frank Rotondi	63		438-4482
	Mrs I Rotondi	63		438-4482
159	Michael Barbati	87	●	438-2358
	David Decoste	86		438-2028
	J M Dicicco	84		279-0731
	Joseph A Fallon	84		438-7043
	G Forgari		¤	279-2511

1985 — FRANKLIN STREET - A
SOURCE: COLE

138	★ O Larsen&Assocs		438-8150
139	Richard J Romboli		438-7976
140	★ Clothing Care Cntr		438-9798
	A Rotondi		438-2317
	★ S Rotondi&Sons		438-0351
	EMERALD CT		
141	N A Vallarelli	72	438-3403
146	William A Fiore	63	438-3061
147	Bernard M Halpin	63	438-0178
148	Vincent Degeroge	63	438-2529
149	★ Twn Financial Serv		438-0600
	★ Ssd Supt of School		438-0601
	★ Ssd High School		438-5717
	★ Stoneham Sch Nurse		438-5717
	★ Twn Phys Ed&Ath Dr		438-2979
150		NP	
152	John H Sullivan	63	438-3111
	FRANKLIN PL		
155	Edward Walters	74	438-1028
157	A A Allan	81	438-6590
	Robert Baird	81	438-7648
	John R Beals	83	438-8176
	Raimond Bianchi	80	438-3863

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1985 — FRANKLIN STREET - B
SOURCE: COLE

				02180
157	Lou Bifolck		81	438-5606
	Michelle Gresett		¤	279-0881
	C A Bumpus		83	438-8865
	M Cain		81	438-1537
	Frank P Cesarale		81	438-2847
	Richard T Craven		83	438-3960
	Arthur Dunn		83	438-5709
	Warren Ford		¤	438-5722
	Susan Gallant		¤	438-9220
	Ray Gerke		81	438-5609
	R Grubilo		–	279-0599
	Ralph Heuman		78	438-4911
	John Horne		81	438-7927
	G M Hunt		¤	279-0630
	A Karsh		81	438-5607
	Julie Kermis		¤	438-9220
	Joanne Lacav		¤	438-8972
	Kenneth Landy		¤	438-0938
	M Lucas		¤	438-3722
	D R MacDonald		81	438-4132
	John Malley		83	438-4704
	S McDonald		¤	279-0693
	William S Mitchell		81	438-9019
	Edward Nadeau		–	279-0584
	Marc Nobile		–	438-8953
	M Noonan		–	438-3570
	Michael Panniello		81	438-3367
	Chas I Patterson		83	438-8739
	Jim Pearson		81	438-3158
	Michael Roberge		83	438-6589
	Shivran Siddhu		81	438-4742
	Barry J Wmith		83	438-6224
	Karen M Thursby		83	438-8924
158	Frank Rotondi		63	438-4482
	Mrs I Rotondi		63	438-4482
159	R Amici		81	438-6407
	J M Dicicco		¤	279-0731
	Robt P Doherty Jr		82	438-7238
	M C Donnelly		77	438-4183
	Patrick Evans		81	438-7493
	Joseph A Fallon		¤	438-7043
	Douglas Favorat		81	438-6882
	Pamela J Frampton		81	438-4529
	Anthony Fusco		81	438-7715
	Steve Garey		81	438-5388
	Jos L Giovanangelo		81	438-6376
	R Grant		83	438-3876
	P S Green		83	438-3728
	John A Gregorio		–	279-0967
	S E Hadsell		81	438-9659
	Raymond Harton		¤	438-8723
	Theodore I Higgins		¤	438-7155
	Stephen J Kelley		81	438-0203
	Glenn Lawler		83	438-9285
	John P Liberis		81	438-1057
	B MacDonald		81	438-5705
	Jos A Meuse		81	438-6854
	N Murphy		¤	438-1346
	Joseph Navarro Jr		¤	438-4863
	Michael OConnell		¤	438-0276
	Rafael Ortega		¤	438-4341
	H Powderly		83	438-8985
	Ted D Ray		¤	438-8437
	D Regazzini		83	438-8531
	L Sanchez		¤	438-1346
	Sheryl F Sandler		81	438-7713
	Richard Shapiro		81	438-2528
	John S Sinclair		¤	438-7560
	Douglas A Smith		–	438-0965
	Edwin Wong		–	279-0729
162	Manuel Weiss		81	438-2895
165	Richard Deangelis		81	438-2547
	Bryan Swain		82	438-3785

1975 — FRANKLIN STREET
SOURCE: COLE

••	STEVENS ST		••
129A		NP	
139	WALTER CHILVERS		4389335
140	*S ROTONDI&SONS INC		4380351
	*SUNNYHURST FARMS		4385048
141	N A VALLARELLI	2	4383403
	P M VALLARELLI	2	4384772
••	EMERALD CT		••
146	WILLIAM A FIORE		4383061
147	BERNARD M HALPIN		4380178
148	VINCENT DEGEORGE		4382529
149	*STONEHAM SCHL SUPT		4380600
	*STONEHAM SCHL SUPT		4380601
	*STNEHM PHYSCL EDCT		4382979
	*STNEHM JUNOR HIGH		4385717
	*STONEHAM NURSE		4380600
	*STONEHAM NURSE		4380601
150		NP	
151		NP	
152	JOHN H SULLIVAN		4383111
155	EDWARD WALTERS		¤4381028
••	FRANKLIN PL		••
157		NP	
158	CHARLES S ROTONDI		4384482
	FRANK ROTONDI		-4384482
	MRS I ROTONDI		4384482
	ANNA E SMITH		4380742
160		NP	
162		NP	
169	WILBUR L CAMPBELL		4383672

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1970 — FRANKLIN STREET
SOURCE: COLE

AMRS C F ROBERTS 4383960
139 WALTER CHILVERS 4389335
140 A ROTONDI 4382317
•S ROTONDI&SONS INC 4380351
141 N.T.I.A.
.. EMERALD CT ..
146 WILLIAM A FIORE 4383061
147 BERNARD M HALPIN 4380178
148 VINCENT DEGEORGE 4382529
149•CITY SCHOOL NURSE -4380600
•STONEHAM SCHL SUPT-4380600
•STONEHAM SCHL SUPT-4380601
•STONEHAM HIGH ATHL-4382979
•STONEHAM JR HIGH -4385717
•STONEHAM SCHL NURS□4380601
150 RICHARD L FOOTE 6 4380979
151 N.T.I.A.
152 JOHN H SULLIVAN 4383111
155 FRANCIS P HAMILL 4381028
.. FRANKLIN PL ..
157 EDWARD M RUSSELL 6 4381176
158 CHARLES S ROTONDI 4384482
MRS I ROTONDI 4384482
ANNA E SMITH 4380742
160 N.T.I.A.
162 MANUEL WEISS 4382895
169 WILBUR L CAMPBELL 4383672
170•WEISS FARM INC 4380689

1966 — FRANKLIN STREET
SOURCE: NEW ENGLAND TELEPHONE COMPANY

129a Roberts Colleen F Mrs F-1 438-3968
139 Chilvers Walter 438-9335
140 Connelly Irma E 438-5070
140 Rotondi Antoinnette 438-2317
140 Rotondi S & Sons Inc 438-0351
141 V NPU

——EMERALD CT 141——

146 Fiore Wm A 438-3061
147 Halpin Bernard M 438-0178
148 DeGeorge Vincent 438-2529
150 Foote Richard L 438-0979
151 B XLL
151 G XLL
152 Sullivan John H 438-3111
155 Hamill Francis P 438-1028

——FRANKLIN PL 155——

157 Russell Edw M 438-1176
158 Rotondi Chas S 438-4482
158 Rotondi Isabella Mrs S-1 438-4482
158 Smith Anna E F-2 438-0742
160 C NON-PUB
162 Weiss Manuel 438-2895
169 Campbell Wilbur L 438-3672

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1963 — FRANKLIN STREET
SOURCE: NEW ENGLAND TELEPHONE COMPANY

139 Chilvers Walter 438-9335
140 Richardson Barbara J F-1 438-0575
140 Rotondi Antoinnette 438-2317
140 Rotondi S & Sons Inc 438-0351
141 Vallarelli Nicholas 438-3847

——EMERALD CT 141——

146 Fiore Wm A 438-3061
147 Halpin Bernard M 438-0178
148 DeGeorge Vincent 438-2529
150 Fox Edna B Mrs 438-0979
152 Sullivan John H 438-3111
155 Hamill Francis P 438-1028

——FRANKLIN PL 155——

157 Davis John F 438-4696
157 Russell Wm E 438-1176
158 Rotondi Chas S 438-4482
158 Rotondi Isabella Mrs S-1 438-4482
158 Smith Anna E F-2 438-0742
160 C NON-PUB
162 Weiss Manuel 438-2895
169 Campbell Wilbur L 438-3672

1955 — FRANKLIN STREET
SOURCE: NEW ENGLAND TELEPHONE COMPANY

129a Hall Betty M STo 6-1503
129½ McNaughton Geo A STo 6-0937-R
140 Rotondi S & Sons. contrs STo 6-0351
140 Rotondi Saml F-1 STo 6-2317-J
140a Macdonald Walter A STo 6-0849
141 Hollenbeck Fred K STo 6-1531-M
146 Ware Golder STo 6-0125
147 Halpin Bernard M STo 6-0178
150 Fox Jas T STo 6-0974
155 Hamill Francis P STo 6-1028
155 Mullaley Martin A STo 6-1028
157 Rivers Laura A STo 6-1176
158 Powers Louise Mrs F-1 STo 6-1669-R
158 Rotondi Isabella Mrs F-1 STo 6-0107-M
160 Young Garvis C STo 6-1898-W
169 Coffin W Earle Mrs STo 6-1623-W
169 Colby Elisabeth STo 6-1623-M

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1950 FRANKLIN STREET - A
SOURCE: NEW ENGLAND TELEPHONE COMPANY

127 Salera Michael..S-1 ....STo 6-0882-W
129 Laudazi Lawrence .....STo 6-0829
140a Macdonald Walter A.....STo 6-0849
140 Rotondi S & Sons..contrs STo 6-0351
141 Hollenbeck Fred K.....STo 6-0538-W
146 Ware Golder .....STo 6-0125
147 Halpin Bernard M.....STo 6-0178

1950 FRANKLIN STREET - B
SOURCE: NEW ENGLAND TELEPHONE COMPANY

150 Fox Jas T.....STo 6-0979
152 Melvin John G ..F-1....STo 6-1566-M
155 Hamill Francis P.....STo 6-1028
155 Mullaley Martin A.....STo 6-1028
157 Rivers Laura A.....STo 6-1176
158 Rotondi Arthur J..S-1....STo 6-1669-W
158 Rotondi Isabella Mrs.....STo 6-1757-M
160 Young Garvis C.....STo 6-0330-W
169 Coffin W Earle Mrs..F-2...STo 6-1623
170 Weiss Farm .....milk STo 6-0689

1945 FRANKLIN STREET
SOURCE: NEW ENGLAND TELEPHONE COMPANY

129 Laudazi Lawrence .....STO 0829
140a Macdonald Walter A.....STO 0849
140 Rotondi S & Sons.....contrs STO 0351
141 Hollenbeck Fred K.....STO 0538-W
146 Ware Golder .....STO 0125
147 Halpin Bernard .....STO 0178
150 Hancock Kenneth R..F-1...STO 0469-W
152 Fox Jas T .....STO 0979
155 Mullaley Martin A.....STO 1028
157 Rivers Ernest W.....STO 1176
158 Rotondi Chas S-2 .....STO 1372-W
160 Griffin John P..S-1.....STO 1045-M
169 Coffin Wm E.....STO 1386-W

1943 FRANKLIN STREET
SOURCE: NEW ENGLAND TELEPHONE COMPANY

139 Smith W MacKay .....STO 0538-J
140 Rotondi S & Sons....contrs STO 0351
141 Hollenbeck Fred K.....STO 0538-W
146 Ware Golder .....STO 0125
147 Halpin Bernard .....STO 0178
150 Hancock Kenneth R..F-1...STO 0469-W
152 Fox Jas T .....STO 0979
155 Mullaley Martin A.....STO 1028
157 Weiss Carl F-1 .....STO 0025-W
158 Rotondi Chas S-2 .....STO 1372-W
160 Weiss Manuel .....STO 0557-W
169 MacMullen J D.....STO 0715-W

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1937 FRANKLIN STREET
SOURCE: NEW ENGLAND TELEPHONE COMPANY

139 Mustone Joseph r..S-1.....STO 0691-R
140½ Rotondi S & Sons...contractors.STO 0351
141 McHale P J r.....STO 1191-W
146 Reynolds Roseline r.....STO 0830-M
147 Halpin Bernice A r.....STO 0178
150 Hancock Kenneth R r.....STO 0652-M
152 Fox James T r.....STO 0512-R
155 Mullaley Martin A r.....STO 1028
157 Weiss Manuel r..S-1.....STO 0557-W
158 Flynn Thomas W Jr r..S-2.....STO 0510-M
159 Barsamian Mary A r.....STO 0652-W
160 Lauriola Michael r.....STO 0715-J
169 MacMullen J D r.....STO 0715-W
170 Weiss Samuel r.....STO 0689-J

--- END REPORT ---

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APPENDIX B

SUPPORTING DOCUMENTATION

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Unofficial Property Record Card - Stoneham, MA

General Property Data

Parcel ID	8-0-134	Account Number	7044
Prior Parcel ID	--		
Property Owner	TOWN OF STONEHAM STONEHAM HIGH SCHOOL	Property Location	149 FRANKLIN ST
		Property Use	IMPRVD,EDCTN
Mailing Address	149 FRANKLIN STREET	Most Recent Sale Date	8/4/1965
		Legal Reference	10891-20
City	STONEHAM	Grantor	TOWN OF STONEHAM,
Mailing State	MA Zip 02180	Sale Price	0
ParcelZoning	OS	Land Area	38.880 acres

Current Property Assessment

Card 1 Value	Building Value	Xtra Features Value	Land Value	Total Value
	29,312,200	132,200	2,075,000	31,519,400

Building Description

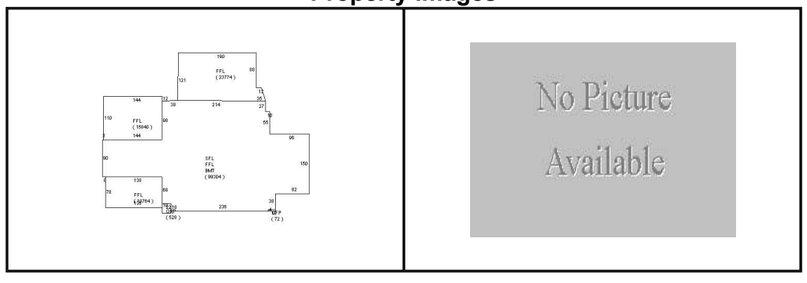
Building Style SCHOOL	Foundation Type CONCRETE	Flooring Type ASPHL TILE
# of Living Units 1	Frame Type CONCRETE	Basement Floor N/A
Year Built 1968	Roof Structure FLAT	Heating Type FORCED H/A
Building Grade V GOOD-	Roof Cover TAR+GRAVEL	Heating Fuel OIL
Building Condition Very Good	Siding BRICK VENR	Air Conditioning 0%
Finished Area (SF) 248986	Interior Walls MINIMUM	# of Bsmt Garages 0
Number Rooms 0	# of Bedrooms 0	# of Full Baths 0
# of 3/4 Baths 0	# of 1/2 Baths 0	# of Other Fixtures 0

Legal Description

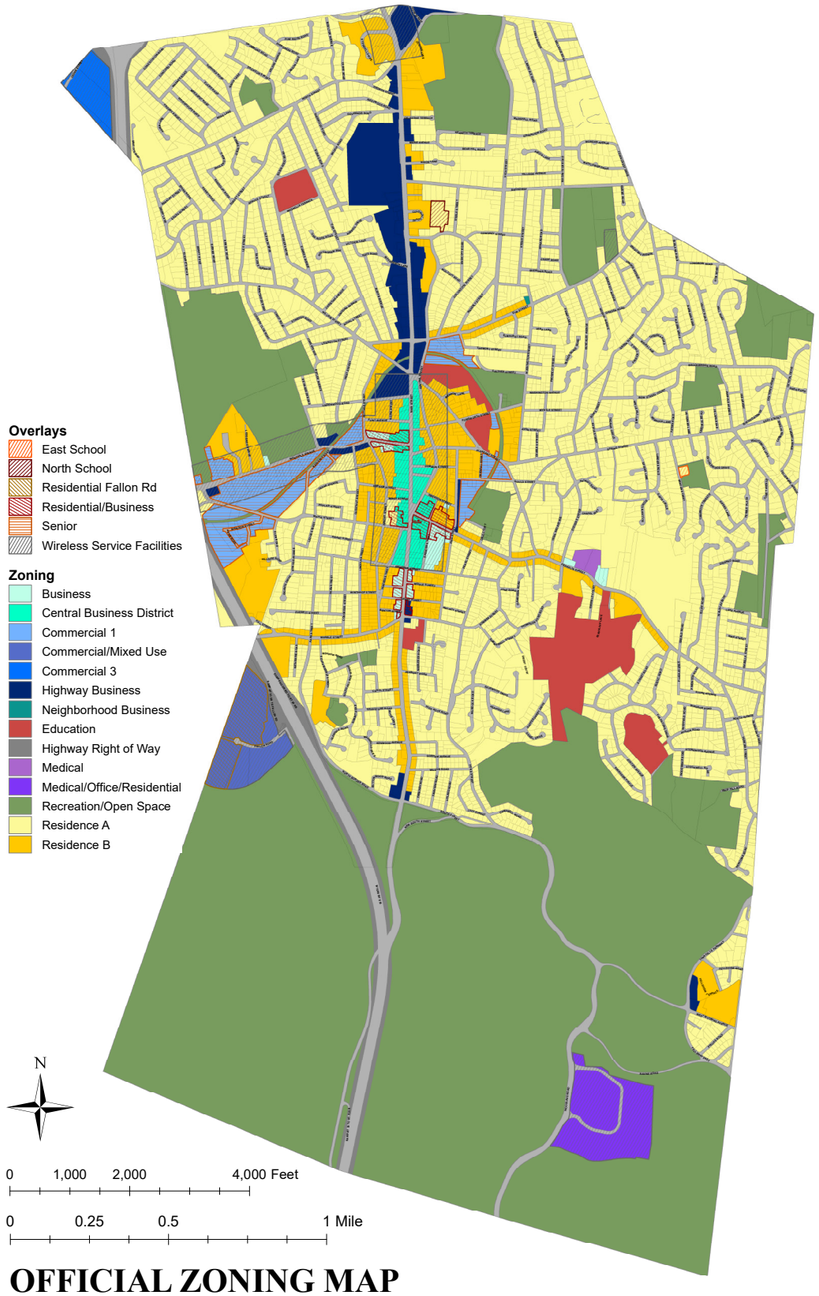
Narrative Description of Property

This property contains 38.880 acres of land mainly classified as IMPRVD,EDCTN with a(n) SCHOOL style building, built about 1968 , having BRICK VENR exterior and TAR+GRAVEL roof cover, with 1 unit(s), 0 room(s), 0 bedroom(s), 0 bath(s), 0 half bath(s).

Property Images



Disclaimer: This information is believed to be correct but is subject to change and is not warranteed.



OFFICIAL ZONING MAP
STONEHAM, MASSACHUSETTS

October 15, 2018

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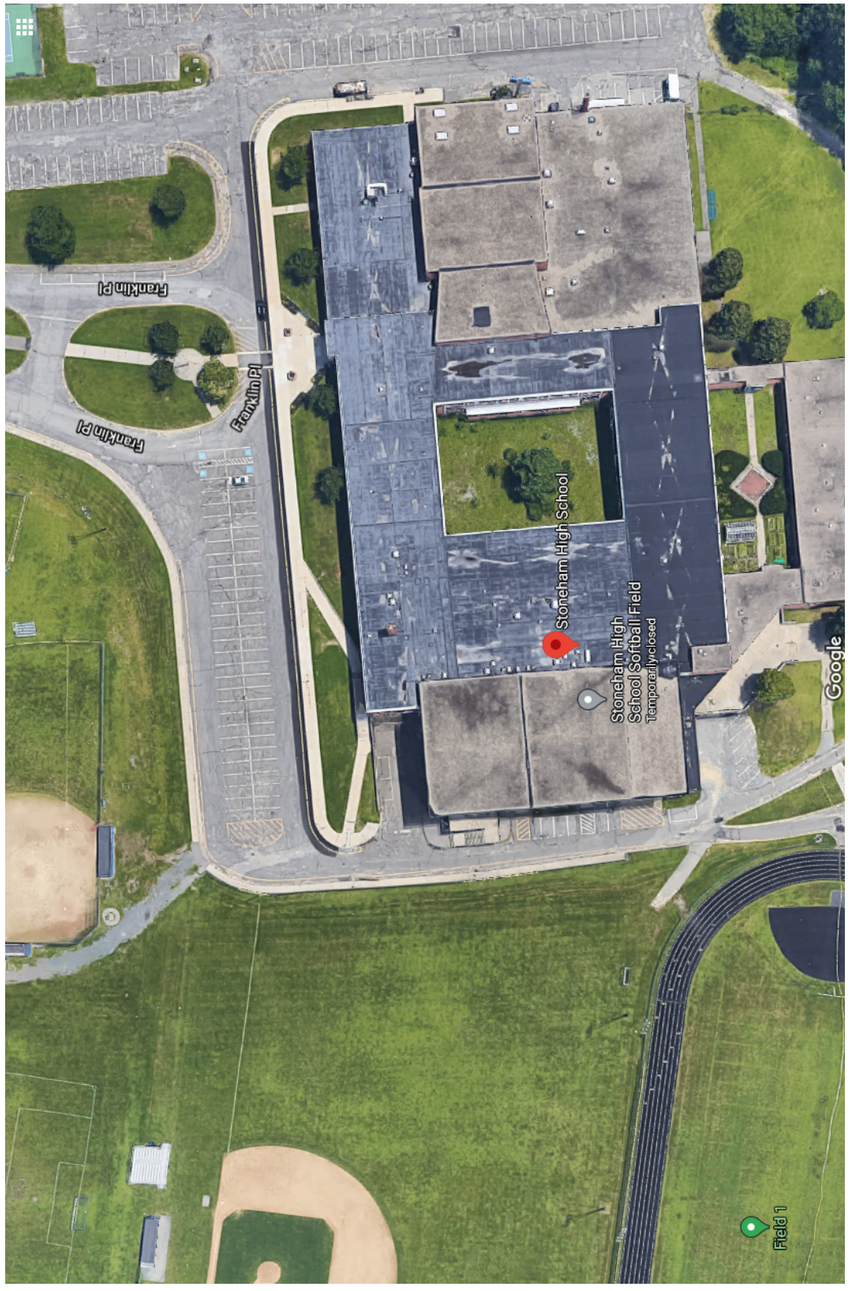

Commonwealth of Massachusetts

Department of Fire Services — Board of Fire Prevention

APPLICATION and PERMIT

Fee: N/C Per Chief Rolli

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

Tank Owner

Tank Owner Name (please print) Town of Stoneham Stoneham Public Schools x please fax a copy of permit (781) 227-9908 (Signature if applying for permit)

Address 149 Franklin Street (Street) Stoneham (City) MA (State) 02180 (Zip)

Removal Contractor

Company Name CommTank, Inc. (Print)

Address 84 New Salem Street, Wakefield (Print)

Signature (if applying for permit) K. Hoag

☑ IFCI* Certified Other _____

Contamination Assessment

Co. or Individual _____ (Print)

Address _____ (Print)

Signature (if applying for permit) _____

☐ IFCI* Certified ☐ LSP # _____ Other _____

Tank Information

Tank Location 149 Franklin Street (Street Address) Stoneham (City)

Tank Capacity (gallons) 15,000 gallon UST Substance Last Stored No. 2 Fuel Oil

Tank Dimensions (diameter x length) 1 - 15,000-gallon underground storage tank

Remarks: _____

Disposal Information

Firm transporting waste CommTank, Inc. State Lic. # 31220

Hazardous waste manifest# 100000929CTN E.P.A. # MAR000502765

Approved tank disposal yard Winfield Alloy Inc. Tank yard # 014

Type of inert gas CO_2 Tank yard address 15 Medford St. Lawrence, MA

Approvals

City or Town Stoneham FDID# 17284 Permit# NA

Date of issue 12/9/10 Date of expiration 1/10/10

Dig safe approval number 20105001095 Dig Safe Toll Free Tel. Number: 800-322-4844

Signature / Title of Officer granting permit Lt. Michael [signature] 12/16/10

After removal(s) ("Consumptive Use" fuel oil tanks exempted) send Form FP-290R signed by Local Fire Dept. to UST Regulatory Compliance Unit, One Ashburton Place, Room 1310, Boston, MA 02108-1618.

*International Fire Code Institute

FP-202 (revised 4/07)

MULTIPLE TANKS LIST ON OTHER SIDE

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Commonwealth of Massachusetts

Department of Fire Services — Board of Fire Prevention

APPLICATION and PERMIT

Fee: N/C Per Chief Rolli

for storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00, application is hereby made by:

Tank Owner

Tank Owner Name (please print) Town of Stoneham Stoneham Public Schools X Please fax a copy of permit (781) 224-9908

Address 149 Franklin Street (Street) Stoneham (City) MA (State) 02180 (Zip)

Removal Contractor

Company Name (Print) CommTank, Inc.

Address (Print) 84 New Salem Street, Wakefield

Signature (If applying for permit) K. Hoag

☒ IFCI* Certified Other

Contamination Assessment

Co. or Individual (Print)

Address (Print)

Signature (If applying for permit)

☐ IFCI* Certified ☐ LSP # Other

Tank Information

Tank Location 149 Franklin Street (Street Address) Stoneham (City)

Tank Capacity (gallons) 500 gallon UST Substance Last Stored No. 2 Fuel Oil

Tank Dimensions (diameter x length) 1-500gallon underground storage tank

Remarks:

Disposal Information

Firm transporting waste CommTank, Inc. State Lic. # 31220

Hazardous waste manifest # 1000m0929CTN E.P.A. # MAR000502765

Approved tank disposal yard Winfield Alloy Inc. Tank yard # 014

Type of inert gas CO2 Tank yard address 15 Medford St. Lawrence, MA

Approvals

City or Town Stoneham FOID # 172PY Permit # N/A

Date of issue 12/9/10 Date of expiration 1/9/10

Dig safe approval number 20105001095 Dig Safe Toll Free Tel. Number - 800-322-4844

Signature / Title of Officer granting permit Lt. Michael O'Dalk 12/16/10

After removal(s) (*Consumptive Use* fuel oil tanks exempted) send Form FP-290R signed by Local Fire Dept. to UST Regulatory Compliance Unit, One Ashburton Place, Room 1310, Boston, MA 02108-1618.

*International Fire Code Institute

FP-202 (revised 1/07)

Massachusetts Department of Environmental Protection
Underground Storage Tank Program

Form UST FP-290R

Notification for Removal or Closure of In Place Underground Storage Tanks Regulated Under 527 CMR 9.00

Forward completed form to:
MassDEP
Bureau of Waste Prevention UST Program
P.O. Box 120-0165
Boston, MA 02112-0165
Forward one copy of FP-290R to local fire department.

Contact:
MassDEP Bureau of Waste Prevention UST Program
617-556-1035 ext. 2

State Use Only

A. Facility Number
B. Date Entered
C. Clerk's Initials
D. Comments

If a storage facility has UST's which are to remain in use, an entire amended FP-290 (long form) must be filed.

Note: "Facility street address" must include both a street number and a street name. Post office box numbers are not acceptable and will cause a registration to be returned. If geographic location of facility is not provided, please indicate distance and direction from closest intersection, e.g., (facility at 199 North Street is located) 400 yards southeast of Commons Road (intersection).

I. Ownership of Tank(s)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)
Town of Stoneham

Street Address
Stoneham High School
149 Franklin Street

Mailing Address (if different from street address)
Stoneham MA 02180
City State Zip Code

Middlesex
County

781-279-3802
Phone Number (include area code)

Owner's Employer Federal ID #

II. Location of Tank(s)

Give the geographic location of tanks by degrees, minutes, and seconds. Example: Lat. 42, 30, 12 N Long. 65, 24, 17 W

Latitude Longitude

Distance and direction from closest intersection (see instructions)
Stoneham High School

Facility Name or Company Site Identifier, as applicable
149 Franklin Street

Street Address (P.O. Box not acceptable - see instructions above)
Stoneham MA 02180
City State Zip Code

Middlesex
County

III. Tanks/Piping Removed or Filled in Place

Tank Number	Tank No. 1	Tank No. 2	Tank No.	Tank No.	Tank No.
1. Tank/Piping removed or filled in place (mark all that apply)					
A. Substance last stored	No. 2 Fuel	No. 2 Fuel			
B. Tank capacity gallons	15,000g	500g			
C. Estimated date last used (mo./day/yr.)	unknown	unknown			
D. Estimated date of removal (mo./day/yr.)	12-16-10	12-16-10			
E. Tank was removed from ground	yes	yes			
F. Tank was not removed from ground	—	—			
Tank was filled with inert material	—	—			
Describe material used:	—	—			
G. Piping was removed from ground	yes	yes			
H. Piping was not removed from ground	—	—			
I. Other, please specify	—	—			

FP-290R (revised 07/09)

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Tank Number (cont.)	Tank No. 1	Tank No. 2	Tank No.	Tank No.	Tank No.
2. Tank closed in accordance with 527 CMR 9.00	☑ Yes ☐ No	☑ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐
A. Evidence of leak detected	☐ Yes ☑ No	☑ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐
B. Mass. DEP notified	☐ Yes ☑ No	☐ Yes ☑ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐
1. Mass. DEP tracking number	—	—			
2. Agency or company performing contamination assessment *	—	Commtank, Inc.			

I declare under penalty of perjury that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the informa tion, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative (Print)	Signature:	Date:
Bob Perry		1/17/2011

FP-290R (revised 07/09)

The Commonwealth of Massachusetts
Department of Fire Services - Office of the State Fire Marshal

RECEIPT OF DISPOSAL OF UNDERGROUND STEEL STORAGE TANK
FORMERLY CONTAINING MOTOR FUEL

NAME AND ADDRESS OF APPROVED TANK YARD: WINDFIELD ALLOY INC.
15 MEDFORD ST.
LAWRENCE, MA 01841

Approved tank yard no. 014 Tank Yard Ledger 502 CMR 3.03(4) Number: _____

I certify under penalty of law I have personally examined the underground steel storage tank delivered to this "approved tank yard" by (firm, corporation or partnership) Commonwealth Tank and accepted same in conformance with Office of the State Fire Marshal Regulations 502 CMR 3.00 Provisions for Approving Underground Steel Storage Tank Dismantling Yards. A valid permit was issued by the head of the LOCAL fire department FDID# 17284 to transport this tank to this yard.

Name and official title of approved tank yard owner or owners authorized representative:

Signature J-Luna Title Assistant Date signed: 12/16/10

TANK DATA:	TANK REMOVED FROM:
Gallons: 500 g.	No. and Street: 149 Franklin St
Previous contents: #2 fuel	City and Town: Stoneham, MA
Diameter: UST	Fire Dept. Permit #: N/A
Length:	Notes:
Date Received: 12/16/10	
Serial # (if available):	
Tank I.D. # (Form FP-290): N/A	

EACH TANK MUST HAVE A RECEIPT OF DISPOSAL

Owner/Operator to mail revised copy of Notification Form (FP290, or FP290R) to local fire department and:

Department of Environmental Protection
Bureau of Waste Prevention - UST Program
P.O. Box 120-0165
Boston, MA 02112-0165

This signed receipt of disposal must be returned to the head of the local fire department.

Form FP 291 (Rev. 11/2009)

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The Commonwealth of Massachusetts
Department of Fire Services - Office of the State Fire Marshal

RECEIPT OF DISPOSAL OF UNDERGROUND STEEL STORAGE TANK
FORMERLY CONTAINING MOTOR FUEL

NAME AND ADDRESS OF APPROVED TANK YARD: WINDFIELD ALLOY INC.
15 MEDFORD ST.
LAWRENCE, MA 01841

Approved tank yard no. 014 Tank Yard Ledger 502 CMR 3.03(4) Number:

I certify under penalty of law I have personally examined the underground steel storage tank delivered to this "approved tank yard" by (firm, corporation or partnership) Commonwealth Tank and accepted same in conformance with Office of the State Fire Marshal Regulations 502 CMR 3.00 Provisions for Approving Underground Steel Storage Tank Dismantling Yards. A valid permit was issued by the head of the LOCAL fire department FDID# 17284 to transport this tank to this yard.

Name and official title of approved tank yard owner or owners authorized representative:

Signature: J. Lara Title: Assistant Date signed: 12/14/10

TANK DATA:	TANK REMOVED FROM:
Gallons: 15,000 g.	No. and Street: 149 Franklin St
Previous contents: #2 fuel	City and Town: Stoneham, MA
Diameter: UST	Fire Dept. Permit #: N/A
Length:	Notes: Single Walled
Date Received: 12/14/10	Clean Out Torchable
Serial # (if available):	
Tank I.D. # (Form FP-290): N/A	

EACH TANK MUST HAVE A RECEIPT OF DISPOSAL

Owner/Operator to mail revised copy of Notification Form (FP290, or FP290R) to local fire department and:

Department of Environmental Protection
Bureau of Waste Prevention - UST Program
P.O. Box 120-0165
Boston, MA 02112-0165

This signed receipt of disposal must be returned to the head of the local fire department.

Form FP 291 (Rev. 11/2009)

APPENDIX C

USER QUESTIONNAIRE

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USER QUESTIONNAIRE

Site Location: **Stoneham High School**
149 Franklin Street, Stoneham, MA

Conducted by**:** **Farooq Siddique, FS Engineers, Inc. (August 6, 2020)**

Interviewees: **Mr. Brain McNeil (Facilities Manager)**

1a. Is the property currently utilized for either industrial purposes or as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify:

1b. Do you have any knowledge that the property was previously utilized for either industrial purposes or as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify:

2a. Is an adjacent property currently utilized for either industrial purposes or as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify:

2b. Do you have any knowledge that an adjacent property was previously utilized for either industrial purposes or as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify:

3a. Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of >5 gallons in volume or 50 gallons in the aggregate, stored on or utilized at the property or at the facility?

Site Owner	Site Occupant	Other	Site Inspection
YES	N/A	N/A	**YES**

If "Yes," specify: **Hydraulic oil, weed killer, WT-40 Boiler Treatment**

3b. Do you have any knowledge that there had previously been any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of >5 gallons in volume or 50 gallons in the aggregate, stored on or utilized at the property or at the facility?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify:

4a. Are there currently any industrial drums (typically 55 gallons) or sacks of chemicals located on the property or at the facility?

Site Owner	Site Occupant	Other	Site Inspection
YES	N/A	N/A	**YES**

If "Yes," specify materials stored: **50 gallon drum.**

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4b. Do you have any knowledge that there had previously been any industrial drums (typically 55 gallons) or sacks of chemicals located on the property or at the facility?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify materials stored:

5a. Did you observe evidence or do you have any knowledge that fill dirt originating from a contaminated site has been deposited on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify:

5b. Did you observe evidence or do you have any knowledge that fill dirt originating from an unknown location has been deposited on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify:

6a. Are there currently any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify:

6b. Do you have any knowledge that there had previously been any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify:

7a. Is there currently any stained soil on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify:

7b. Do you have any knowledge that there had previously been any stained soil on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify:

8a. Are there currently any registered or unregistered underground storage tanks located on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

Installation Date:
Material Stored:
Aggregate Volume:
Overfill Protection:

Cathodic Protection:
Leak Detection:
Tank Tightness Data:
Spill Containment:

Reportable Release Identified:
If "Yes," No Further Action Letter issued by regulatory agency:

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8b. Do you have any knowledge that there had previously been any registered or unregistered underground storage tanks located on the property?

Site Owner	Site Occupant	Other	Site Inspection
YES	N/A	N/A	**NO**

If "Yes," specify: **one 15,000 gallon and one 500 gallon UST for #2 fuel oil.**

Removal Date: 12/16/2010
Material Stored: #2 fuel oil Closure Assessment Conducted: Visual Fire Dept.

Reportable Release Identified: **Yes – from 500 gal UST – MassDEP not notified**
If "Yes," No Further Action Letter issued by regulatory agency: Unknown

9a. Are there currently any registered or unregistered aboveground storage tanks located on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

Installation Date: Aggregate Volume:
Material Stored: Secondary Containment:

Reportable Release Identified:
If "Yes," No Further Action Letter issued by regulatory agency:

9b. Do you have any knowledge that there had previously been any registered or unregistered aboveground storage tanks located on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

Removal Date: Aggregate Volume:
Material Stored: Closure Assessment Conducted:
Reportable Release Identified:
If "Yes," No Further Action Letter issued by regulatory agency:

10a. Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify:

10b. Do you have any prior knowledge that there had previously been any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

11a. Is there currently evidence of leaks, spills or staining by hazardous substances or petroleum products associated with any floor drains, trench drains, sump pumps, drainage features, drywells or exposed ground cover on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

11b. Do you have any knowledge that there had previously been any leaks, spills or staining by hazardous substances or petroleum products associated with any floor drains, trench drains, sump pumps, drainage features, drywells or exposed ground cover on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

12. If the property is served by a private drinking water well or non-public water system, is there evidence or do you have any knowledge that the well has been contaminated by hazardous substances or petroleum products at concentrations exceeding a standard promulgated by a federal, state or local government environmental or health agency?

Site Owner	Site Occupant	Other	Site Inspection
N/A	N/A	N/A	N/A

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13. Does the owner or occupant of the property have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	N/A

14a. Does the owner or occupant of the property have any knowledge of the current existence of a release of hazardous substances or petroleum products with respect to the property or any facility located on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	N/A

14b. Does the owner or occupant of the property have any knowledge of the prior existence of a release of hazardous substances or petroleum products with respect to the property or any facility located on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify:

15a. Does the owner or occupant of the property have any knowledge of the current existence of any environmental violations with respect to the property or any facility located on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	N/A

15b. Does the owner or occupant of the property have any knowledge of the prior existence of any environmental violations with respect to the property or any facility located on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	N/A

16. Does the owner or occupant of the property have any knowledge of an environmental site assessment of the property or facility located on the property that indicated the presence of hazardous substances or petroleum products at concentrations or amounts exceeding a standard promulgated by a federal, state or local government environmental or health agency or recommended further investigation of the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	N/A

If "Yes," provide copy of such assessment.

17. Does the owner or occupant of the property have any knowledge of a past, threatened, or pending lawsuit or administrative proceeding concerning a release or threatened release of any hazardous substance or petroleum products involving the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	N/A

18a. Does the property discharge process wastewater (not including sanitary wastewater or storm water) onto or adjacent to the property and/or into a storm water system?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

18b. Does the property discharge process wastewater (not including sanitary wastewater or storm water) onto or adjacent to the property and/or into a sanitary sewer system?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

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19. Do you have any knowledge that any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the property?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

If "Yes," specify:

20. Are there any transformers, capacitors, hydraulic equipment or fluorescent light ballasts for which there are any records indicating the presence of PCBs?

Site Owner	Site Occupant	Other	Site Inspection
NO	N/A	N/A	**NO**

APPENDIX D

RESUMES OF ENVIRONMENTAL CONSULTANTS

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Michael J. Hudson
Sr. Project Manager/Hydrogeologist

QUALIFICATIONS

Mr. Hudson has over 25 years of professional environmental consulting experience throughout New England. He has significant expertise in hazardous waste and hydrogeologic consulting including site assessment, subsurface investigations, design of ground-water recovery wells, delineation of groundwater capture zones and flow nets for recovery well systems, use of analytical and numerical computer models to simulate groundwater flow and contaminant transport; and design, operation and maintenance of soil and groundwater remediation systems. He has been involved in the remediation and closure of sites contaminated by both petroleum hydrocarbons and chlorinated solvents. He is a Licensed Wastewater Treatment Plant Operator in Massachusetts.

EXPERIENCE

Hazardous Waste Site Investigations, Remedial Design and Implementation
Mr. Hudson has extensive experience investigating petroleum hydrocarbon and chlorinated solvent contamination in both overburden soil and highly fractured bedrock throughout New England. He has evaluated remedial alternatives and prepared design plans for numerous sites where soil and/or groundwater remediation systems have operated. His responsibilities include regular system monitoring, maintenance, risk assessment, site closure, and reporting to the appropriate regulatory agencies.

Mr. Hudson has provided oversight of the remediation design and cleanup of numerous hazardous waste sites, including NPL Superfund sites, throughout New England. His responsibilities have included technical review of remediation design plans and specifications, full-time on-site oversight during remediation and site closure, and determination of compliance with approved plans and specifications.

Site Assessment/Environmental Due Diligence
Mr. Hudson has managed and completed dozens of Preliminary Site Assessments of industrial, commercial, and residential/undeveloped properties throughout the Northeast. Extensive subsurface investigation techniques were used including hollow stem augers, drive and wash, cable tool, mud rotary, air rotary, hydraulic probe, and several geophysical methods. Reports included field data, laboratory results, and recommendations regarding site conditions and further cost estimates for assessment and/or remediation.

Underground Storage Tank Management
Mr. Hudson has characterized soil and groundwater contamination at numerous sites contaminated by leaking underground storage tanks (USTs). Scope of work has included drilling and sampling programs, monitoring well installation, data collection, groundwater surface mapping and gradient/flow calculations, and contaminant plume delineation. Mr. Hudson has prepared engineering design plans and specification and permit applications for UST projects, as well as overseen bidding, contractor work, and submittal of final as-built plans and tank closure reports.

Michael J. Hudson
Sr. Project Manager/Hydrogeologist

Economic Geology
Mr. Hudson has prepared geologic/economic source reports for numerous sand and gravel operations and quarries throughout the Northeast, including subsurface investigations, surficial geologic mapping, petrographic analyses, and estimates of reserves and aggregate quality.

Expert Witness Testimony
Mr. Hudson has provided expert witness testimony for several clients and law firms including submittal of affidavits and depositions, and testimony in court. Testimony has focused on aspects of hazardous waste site remediation including hydrogeology, surficial geology, bioremediation, and contaminant migration and transport.

Water Supply Development and Aquifer Protection Studies
Mr. Hudson has performed numerous town-wide aquifer mapping and protection studies that included field surficial geologic mapping, preparation of hydrogeologic maps, and computer modeling to determine pumping well zones of contribution and aquifer/ watershed safe yields. The goal of these aquifer studies has been the development and implementation of practical schemes to protect the aquifer and preserve groundwater quality. He has managed production well development projects for municipal and private clients throughout New England. The work included the design, performance, and analysis of aquifer tests in both unconsolidated and bedrock aquifers. He has used seismic refraction, electrical resistivity, and fracture trace analysis methods to determine optimal production well locations.

Computer Modeling
Mr. Hudson has developed and utilized numerical finite difference groundwater flow models and analytical groundwater models for simulating pumping well zones of contribution and solute transport. Mr. Hudson has also simulated the groundwater effects of large septic recharge systems to establish design elevation criteria for subsurface leaching fields.

CERTIFICATIONS
Licensed Wastewater Treatment Plant Operator (MA Grade 2 – Industrial)
OSHA 40-hour 29 CFR 1910.120 (Hazardous Waste Operations) Certification

EDUCATION
Bachelor of Science in Geology, St. Lawrence University, 1977
Master of Science Program (emphasis Hydrogeology), University of Virginia (completed coursework)

AFFILIATIONS
National Ground Water Association

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Farooq Siddique, PE, LSP
Principal

QUALIFICATIONS

Mr. Siddique has over 20 years experience in environmental engineering, civil engineering, and hazardous materials studies. Mr. Siddique has used his multi-disciplinary environmental skills in a full diversity of projects. His professional experience includes public and private sector consulting in this country and overseas. He is a Registered Professional Engineer and Licensed Site Professional in Massachusetts. He is the founder and President of FS Engineers, Inc.

EXPERIENCE

Environmental Investigation
Mr. Siddique has performed hundreds of environmental assessments and subsurface investigations. He has conducted historical research for due diligence assessments for real estate transactions. He has also performed and supervised drilling and soil sampling, groundwater sampling, tank excavation, geophysical surveys, and dewatering projects. He has investigated sites contaminated with gasoline, fuel oil, and other petroleum compounds, heavy metals, volatiles, chlorinated solvents, cyanide, PCBs, pesticides, and asbestos.

Site Remediation
Mr. Siddique has prepared and successfully implemented many site remediation plans. He has prepared design plans for various remedial alternatives including soil and groundwater treatment systems. He prepared design drawings, specifications, and engineering reports, as well as monitored the installation, troubleshooting, and operation of remedial treatment systems to mitigate the effects of hazardous material releases. He has also obtained various Federal, state, and local permits required to implement remedial alternatives.

LSP Services
Mr. Siddique has performed regulatory compliance audits for numerous clients including private, public agencies, and municipalities. He has provided Licensed Site Professional services including IRAs, RAMs, LRAs, RAOs, and AULs under the Massachusetts Contingency Plan, as well as completed several Phase I, Phase II, and Phase III studies. Mr. Siddique has conducted numerous comprehensive environmental site investigations, and solid waste and landfill studies.

Brownfields
Mr. Siddique has successfully completed assessment and remediation of several brownfields sites. He was the manager and licensed site professional responsible for the successful remediation of an industrial parcel in the City of Boston for a local economic development corporation. The site was previously occupied by a wire manufacturing facility. The project involved dewatering of a process water recirculating lagoon and excavation, handling, and disposal of contaminated soil from the lagoon. A level of no significant risk was achieved for the parcel upon remediation.

Commercial/Industrial Site Design
Mr. Siddique has successfully completed engineering and prepared civil site designs for several large commercial/industrial sites. He was the manager and principal engineer in the design development and engineering of a campus style office and research/development facility within an industrial park in northeastern Massachusetts. The project master plan consisted of a 22.5

Farooq Siddique, PE, LSP
Principal

acre parcel with 4 buildings, totaling 222,000 square feet, and parking for 578 vehicles. Credit for groundwater infiltration and reduction in stormwater runoff management volume were achieved by strategically locating infiltration basins within the site. Site grading and utilities were optimized to minimize construction cost. Approvals for the Phase I site development were obtained from local approving authorities.

Facilities Compliance
Mr. Siddique has led many multi-media audit teams for various public and private sector facilities including over 20 state installations to evaluate compliance with Federal and Massachusetts regulations. He was involved in the preparation of a multi-media self appraising audit manual for a major manufacturing company with numerous facilities in various states. The audit manual provided guidance in permitting, managing, and monitoring air emissions, waste water discharge, and hazardous waste using both federal and state-specific regulations. It also included guidance for treatment, storage, and disposal of hazardous wastes, and preparation of various management plans. Mr. Siddique has prepared toxic use reduction plans, hazardous materials contingency and SPCC plans, and various RCRA permits.

Permitting
Mr. Siddique has extensive experience in the preparation of Federal, state and local permit applications. He has obtained building permits for structures such as, air intake structure, emergency egress structure from tunnel, etc. for Central Artery/Tunnel project. Permits required review and coordination of comments by various departments of the City of Boston Inspectional Services. Final review and approval of the permits were obtained from the Massachusetts Department of Public Safety. He has extensive experience in obtaining approvals for civil site developments including zoning board of appeals, planning board, conservation commission, board of health, state water quality certificates, Federal NPDES, and army corps of engineers.

CERTIFICATIONS

Registered Professional Engineer - Massachusetts
Licensed Site Professional - Massachusetts
OSHA 40-hour HAZWOPER Training, Supervisor, 8-hour Annual Refresher

EDUCATION

Master of Science in Civil Engineering, Northeastern University, Boston, MA, 1989
Bachelor of Science in Civil Engineering, Bangladesh Univ. of Engg. and Tech., 1983

AFFILIATIONS

Board Member, Board of Registration of Hazardous Waste Site Cleanup Professionals
Board of Directors, Licensed Site Professionals Association (former)
American Society of Civil Engineers, Peer Reviewer (former), "*Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management*."

PUBLICATIONS

Siddique, Farooq, Multiphase Modeling of Organic Hydrocarbons in the Groundwater, Master's Thesis, Northeastern University, June 1989.

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F. REIMAGINE AMERICA'S SCHOOLS PRESENTATION

reimagine America's Schools

Massachusetts School Design Summit

May 9, 2019





reimagine America's Schools



Stoneham High School Design Team

David Ljungberg
David Pignone
Nicole Nial
Sophia Perillo
Kathy Martin
Kelly Mertens
Angela Billings
John Macero
Kevin Yianacopolus
Dr. Priyanka Sheywal

Reimagine America's Schools Designers

Judy Hoskens
Todd Ray

IMAGINE

reimagine America's Schools

Our Vision and Hopes

- Inspire Curiosity that addresses the "Whole Child"
- Safe Spaces
- Prioritize Relationships: students, faculty, and community members
- Embrace and Develop Community Partnerships

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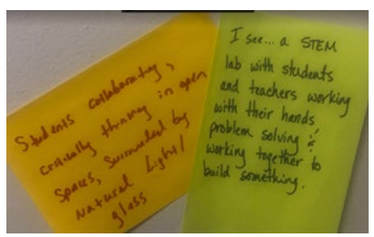
F. REIMAGINE AMERICA'S SCHOOLS PRESENTATION

Our Vision and Hopes

- Vibrant + State of the Art Facility
- Natural Daylight, Views + Connection to the Environment
- Transforms future instruction / program
- Enriches Interdisciplinary Experiences
- Critical thinking, collaboration, creativity and communication
- A BUZZ of activity and excitement





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Aspirations

- Inclusive
- Accessible
- Flexible
- Forward thinking
- Building for the long term
- Welcoming, inviting spaces



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REFLECTION

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Challenges:

- Physical building is "tired".
- Roof Repairs need
- Dark halls
- Inefficient
- Inaccessible
- Over crowded
- Auditorium ineffective
- Science labs antiquated
- No STEM instruction space
- Pick-up + Drop-off Congestion
- Security



"Walk our halls + bring your umbrella!"

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F. REIMAGINE AMERICA'S SCHOOLS PRESENTATION

Considerations

- We want to redefine success
- Opportunity to change
- Empower more student voice
- Student autonomy
  - Discipline, Choice, Engagement
- School-community connections
  - Outside space
  - Inside space
  - Programming
  - Athletics
  - Fine Arts



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VISION

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We Imagine / We See

- Natural lighting
- Glass walls
- Moveable walls
- Open spaces
- Indoor/outdoor spaces for learning (Landscape Studios)
- Fully equipped Design Labs with adequate storage space
- Self sustaining building as part of expeditions
- Vocational opportunities for all
- Secure campus
- Welcoming entryway - open space, light, variety of meeting locations and flexible seating spaces

- Student and staff showcasing
- Ubiquitous, accessible technology
- Zero waste facility
- Solar panels
- Power stations for transportation
- Spartan Place (Hospitality Pathway)
  - Health and Wellness
  - Informal dining - food court
  - Social area
- Natural trails, health stations, + ecology stations
- Community gardens

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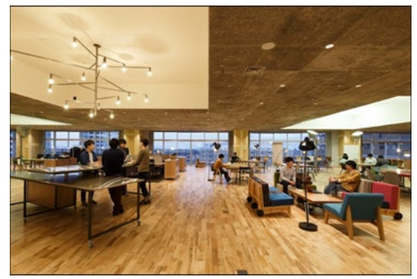
Learning Pathways:

- Assessment Center
- Life Skills Apartment
- Media Commons
- Learning Labs Pathways
  - Biomedical + Computer Sciences
  - Engineering
  - Makerspace Fabrication Design Labs
- SPARTAN Place
  - Hospitality Expeditionary Learning
  - Community Hub
- Child Study, Pre/K and Daycare Facility
- Integration of Community Partnerships



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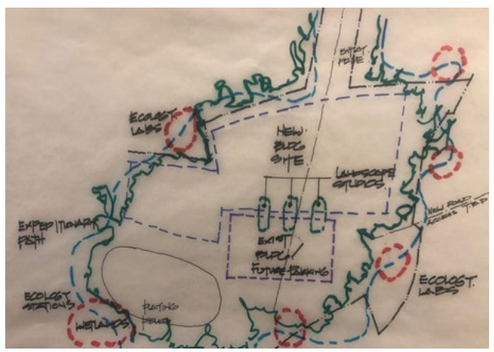
F. REIMAGINE AMERICA'S SCHOOLS PRESENTATION

Site Considerations

- Landscape Studios
- Habitats/Migratory Garden
- Expeditionary Pathways
  - Vernal Pool
  - Wetlands
  - Ecology stations
  - Campus to Table Gardens
- Community Garden
- Daycare/Playscape



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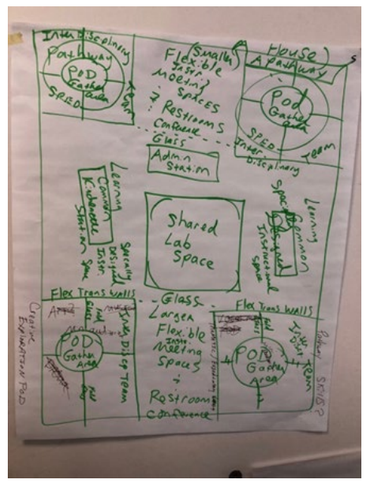
Learning Pathways



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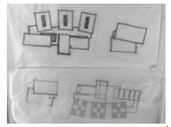
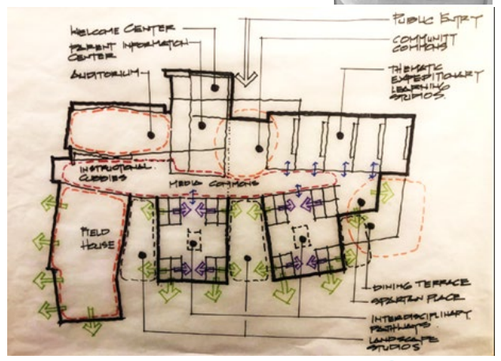
Building Considerations

- Welcome Center
- Parent Information Center
- Community Commons
- Research and Fabrication Modules
- Exploration, Observation
- Connect Study + Landscape Studios
- Faculty Collab
- Fully Utilized Auditorium
- Self-Sustaining Power Plant
- Transportation Charging Ports
- Rain Water Recycling
- Green Roof

2nd + 3rd Iterations



Current Iterations



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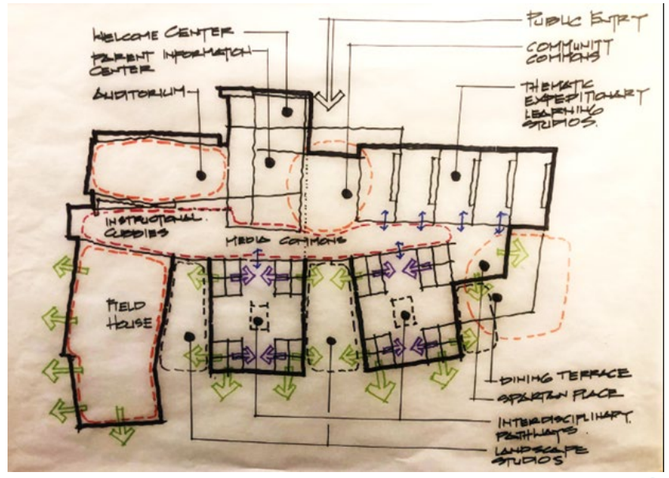

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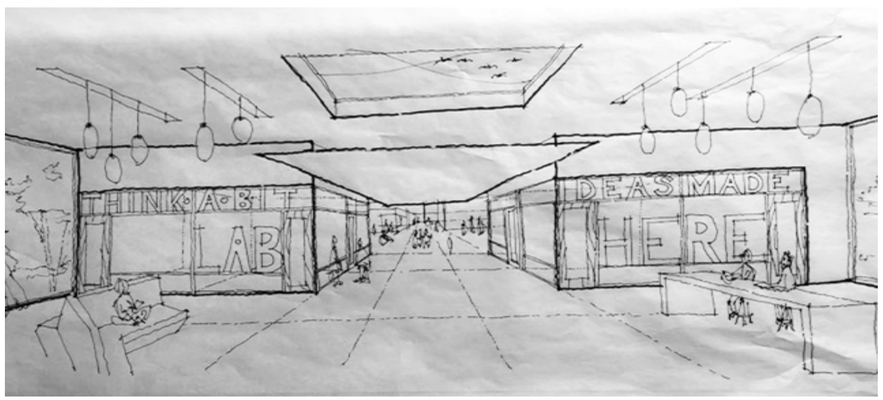
Learning Pathways



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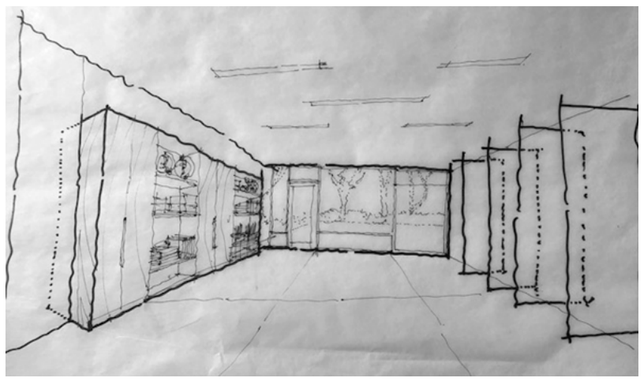
Thematic Expeditionary Learning Studio



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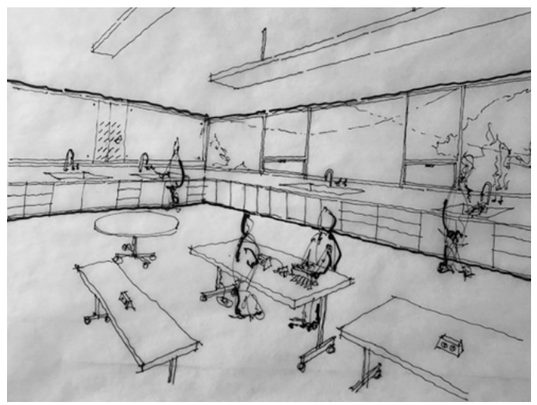
Dedicated Lab Programming



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"I see citizens using the outdoor site after school hours for walking groups, ecology tours, performances, & more."



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"Students coming and going from internships and other outside career related places/jobs."



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"I see a self sustained physical plant-generating enough electricity to power the building & car charging stations.



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"I see common spaces where classes can collaborate, teachers and faculty can meet and clubs can organize."



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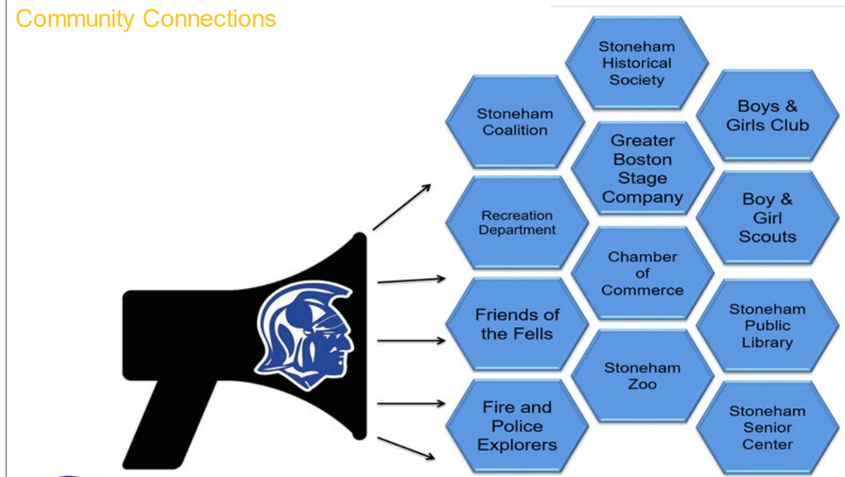
Community Connections



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