AMESBURY ELEMENTARY SCHOOL
AMESBURY, MASSACHUSETTS

MASSACHUSETTS SCHOOL BUILDING AUTHORITY
PRELIMINARY DESIGN PROGRAM SUBMISSION
MSBA PROJECT Nº: 201500070005



NOVEMBER 1, 2018

October 31, 2018

Elena Seiti
Project Coordinator
Massachusetts School Building Authority
40 Broad Street, Suite 500
Boston, MA 02109

Re: Amesbury Elementary School: Amesbury, MA
Preliminary Design Program Submission

Dear Elena,

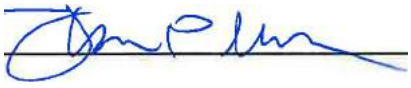
Enclosed for your review is the Preliminary Design Program Submission package for the Amesbury Elementary School project in Amesbury, MA, which includes the following documents:

- (1) hard copy binder of the Preliminary Design Program report
- (1) thumb drive with electronic .pdf file

We hereby certify that we have reviewed and coordinated the materials contained in this submittal, and that the submittal is complete. We also confirm that the District has approved the materials for submission to the MSBA.

Please contact me, or Tim Baker with any questions or comments.

Sincerely,



Thomas P. Murphy
Project Director

cc: Mayor Ken Gray, Mayor SBC Chair
Jared Fulgoni, Superintendent of Schools
Donna DiNisco, DiNisco Design
Angel Khazadian, DiNisco Design
Caulen Finch, DiNisco Design
Chris Huston, DiNisco Design
Thomas P. Murphy, NV5
Tim Baker, NV5

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PART 1: INTRODUCTION

INTRODUCTION

The purpose of the Preliminary Design Program is to define the programmatic, functional, spatial, and environmental requirements of the educational facility necessary to meet the District's educational program, and perform the review and investigation required to clearly define the existing building deficiencies. Based on the District's educational program, we have identified and prepared the educational goals and programmatic space needs for the Amesbury Elementary School project. The space needs along with an evaluation of existing conditions and site development requirements have formed our recommendation for a preliminary evaluation of alternatives. This list will be the basis for the remainder of the Preferred Schematic Report upon which the most educationally appropriate and cost-effective solution will be recommended.

The Amesbury Elementary School is one of (2) elementary schools in the Amesbury Public School system. It is located on an approximately 14.6 acre site on the west side of the City. The School is accessed from Hampton Road near the intersection with Route 150.

FACILITY DEFICIENCIES

The original Amesbury Elementary School building was built in 1966 with a two-story classroom wing and a one-story gym and cafeteria wing. Six portable classrooms plus a connector classroom were added to mitigate overcrowding in 1995.

The school does not have an elevator or accessible bathrooms. Most of the building remains original.

The HVAC system is inadequate and inefficient with 20 year old dual fuel steam boilers. Unit ventilators provide required fresh air and heating in typical classrooms with steam fin tube radiation at large expanses of windows. Hot water piping is original and well past its useful life. Window or through-wall air conditioners have been added to a few offices. Mechanical ventilation is below standard or entirely missing in several areas that have been reconfigured. Unit ventilators are original, noisy, and in poor physical and operating condition. Unit ventilators are controlled by inefficient pneumatic controls.

Plumbing is in fair condition and 60 years old. Student fixtures are not accessible and inadequate. There are too few fixtures to adequately serve the Faculty population. All fixtures are not accessible nor are they water conserving. All piping is beyond its useful life.

There is no fire protection system installed, although the original construction documents showed them. Additionally, the kitchen hood does not have a dry chemical protection system.

Electrical service is 600A, 3 phase, 120/208V, and in poor condition (60 years old). The original panel board company is known for producing very poor-quality equipment with high failure rates. One 30KW diesel generator that serves emergency lighting is located in the normal electric room and is a present-day code violation. In addition to the generator being located in this room, code required clearances for work zones are not achieved. Currently the electrical system is at maximum capacity, preventing the school from installing or upgrading technology.

The fire alarm control panel was updated in around 1995. Many pull stations and detectors are original to the building. Device manufacturers vary depending on when units were installed. Mounting heights do not comply with MAAB requirements, and locations of some pull-stations are not code compliant.

All of the mechanical, electrical and plumbing systems are substantially original to the building and do not comply with current codes. Ventilation is below standard and totally absent in many locations.

The roofing appears to have been updated to an EPDM roof with gravel ballast. The date of the roof replacement is unknown. Roof leaks were visible inside the building, and areas of ponding could be observed on the roof. The insulation installed presumably does not meet current energy codes.

The lower level to upper level has an 10'-8" floor-to-floor height, which is detrimental to renovation with code required ventilation/ductwork, sprinklers and new lighting systems.

Refer to PART 4: EVALUATION OF EXISTING CONDITIONS for a full report on the facility's existing conditions.

The original SOI can be found in the appendix.

PROGRAM DEFICIENCIES

Neither the Amesbury nor Cashman Elementary Schools were constructed to accommodate Pre-Kindergarten. This results in overcrowding at the Pre-K and Kindergarten grade levels. The impact of overcrowding on student learning is significant. The school's six modular classrooms are well beyond their life expectancy and without these classrooms the school would be extremely overcrowded. Compounding this problem is the overcrowding throughout the entire district. There is no opportunity to alleviate the overcrowding at the Amesbury Elementary School as the other school is also beyond capacity. The overcrowding issues at the Amesbury Elementary School have a direct impact on student learning. Due to overcrowding issues and space constraints, teachers and specialists have been very creative in finding spaces to teach. In addition, spaces once dedicated to Music are being utilized as classroom spaces compromising the ability to teach Music.

For students with learning issues and who are on IEPs, optimal learning is not taking place due to overcrowding and the lack of proper space. There are very few spaces to provide individual or small group learning. Intervention spaces currently take place in hallways, stairwells, and administration offices. Confidential counseling conversations can be heard in adjacent areas due to the wall construction.

All students with physical disabilities require classrooms to be reorganized to the first floor due to Amesbury Elementary School's lack of elevator and accessible restrooms.

Storage is insufficient for cleaning and maintenance supplies.

In general, the shortcomings at the Amesbury Elementary School include:

- Six portable classrooms that have exceeded their useful lives
- Inadequate spaces for music
- Outdated space for the library/media center

- Inadequate spaces for the growth of learning in small groups such as:
  - English Language Learners
  - Speech and Language
  - Special Education
  - Literacy
  - Guidance
  - School Psychologist
- Gymnasium only approximately 3,400 SF
- The health room is inadequate for more than one ill child
- Inadequate spaces for administration and guidance
- Inadequate space for staff lunch and a staff workroom
- Inadequate space for school custodian, storage, receiving, etc.
- Inability to upgrade / integrate 21st Century Learning Technology

MSBA INVITATION

The MSBA invited Amesbury Public Schools into the eligibility period on July 20, 2016 and extended an invitation to the Feasibility Study phase on May 25, 2016. Refer to the Appendix for the MSBA Invitation into the eligibility period and Feasibility Study.

DESIGN ENROLLMENT

The original enrollment analysis and acceptance of the same has recently been re-visited. The MSBA agreed to review updated information provided by the District. As a result of this further evaluation, the MSBA and the District have accepted a design enrollment of:

- Grade K-4, in addition to CES: 320 Students
- Grade K-5, in addition to CES: 470 Students
- District wide K-2: 420 Students
- District wide 3-5: 450 Students

A copy of the original Enrollment Certification and Revised Enrollment Certification is included in the Appendix of this report.

CAPITAL BUDGET STATEMENT NARRATIVE

It is important for the MSBA and the District to have a complete understanding of the District's financial resources and ability to support a proposed school project. The District has provided their 2019-2023 Capital Improvement Program (CIP) report included in the Appendix of this report.

The CIP documents the City's capital asset needs and ranks the needs in order of project priority, scheduled projects for funding and implementation as budgetary constraints allow. The report includes new buildings, additions, repairs, and land acquisitions.

The Amesbury Elementary School project has been estimated in 2018 to cost approximately $59-68 Million, which is likely to go to the voters in the fall of 2019.

LOCAL PROCESS

The local process began in April 2015 when the School District, submitted a Statement of Interest to the MSBA for the Amesbury Elementary School. The MSBA invited the City of Amesbury to participate in a Feasibility Study for this project at the Authority's May 12, 2017 Board Meeting.

At the January 3, 2017 Special City Meeting, the district voted to appropriate $900,000 for the purpose of paying the costs of a Feasibility Study of the Amesbury Elementary School Project. Following the May 12, 2017 MSBA Board meeting that invited the City into the Feasibility Study Phase, the search for an Owner's Project Manager (OPM) began. The City selected NV5 on September 19, 2018. On October 17, 2018 the MSBA confirmed this selection and on October 17, 2018 NV5 entered into a contract with the City of Amesbury.

The OPM then worked with the SBC and MSBA to select a designer. The RFS for designer services was issued on January 3, 2018 and proposals were received on January 17, 2018. DiNisco Design, Inc., along with three other firms, submitted a proposal/qualifications package. The MSBA Designer Selection Panel qualified DiNisco Design at the February 27, 2018 meeting of the MSBA Design Selection Panel.

The SBC formed a Working Group comprised of representatives from SBC, School Department, and the City. This group has been meeting with the project team regularly to expedite the review of important project issues.

The project team has also met separately with the Superintendent, Special Education Department, Building Operations, the Amesbury Elementary School Principal, and City Emergency Services. In addition, the project team and District will visit area MSBA elementary school projects to evaluate educational and design precedents to gather design ideas.

A complete summary of public meetings has been included in Section 7 of this report. The following abbreviated list is noting milestone meetings.

Meeting Date	Time	Group	Location	Topic
November 20, 2017	5:00 PM	School Building Committee	Amesbury High School	SBC Meeting to introduce OPM and review Designer RFS process
January 30, 2018	4:00 PM	School Building Committee	Amesbury High School	SBC Meeting to discuss Designer Selection
March 22, 2018	3:30 PM	School Building Committee	Amesbury High School	Introduction to DiNisco Design
March 28, 2018	2:00 PM	MSBA with Designers and OPM	Amesbury Elem School	MSBA Kick-off Meeting and Tour
June 18, 2018	7:00 PM	School Committee	Amesbury High School	Educational Program and Project Kick-off
August 6, 2018	7:00 PM	School Committee	Amesbury High School	Vote to Approve PK-2/3-5 Grade Configuration and Educational Program
October 25, 2018	3:30 PM	School Building Committee	Amesbury High School	Vote to Approve PDP and Preferred Schematic

The meeting presentation materials, meeting minutes and summary materials as they relate to the Amesbury Elementary School project are available locally for public review at:

https://amesburyma.gov

PROJECT DIRECTORY

A project directory with contact information for representatives of all District stake-holders, Designer and OPM is included in the Appendix of this report.

PROJECT SCHEDULE

The current project schedule is as follows:

Amesbury Elementary School Building Committee vote to approve PDP and for Preferred Schematic:
October 25, 2018

Submission of Preferred Schematic Report: **January 3, 2019**

MSBA Facilities Assessment Subcommittee Presentation:
January 16, 2019 or January 23, 2019

MSBA Board of Directors meeting for approval to proceed into Schematic Design:
February 13, 2019

Projected MSBA Board of Directors meeting for approval of Project Scope and Budget Agreement: **August 28, 2019**

Projected City vote for Project Scope and Budget Agreement: **November 2019**

A project schedule with key meetings and approval dates is included in the Appendix of this report. The current project schedule is to have the new school completed either August 22, 2022 (CES site) or December 1, 2023 (AES site).

PART 2: EDUCATIONAL PROGRAM

Amesbury Elementary School
20 South Hampton Road
Amesbury, MA 01913
ph: 978.388.3659 fax: 978.388.4961
http://www.amesburyma.gov

Walter L. Helliesen, Principal
Christine A. Zappala, Building Coordinator

AMESBURY ELEMENTARY SCHOOL

EDUCATIONAL PROGRAM

PROPOSED GRADE CONFIGURATION PK-2; 3-5

INTRODUCTION

The Amesbury School District is unconditionally committed to every child, ensuring that all students experience success through the development of attitudes and skills necessary for lifelong learning by providing the highest quality staff, meaningful learning experiences, and a vitally involved community. Amesbury Elementary School (AES) provides a rigorous educational program for elementary students Pre-kindergarten through grade four. Our high needs population represents about 35% of our student body which results in a range of readiness skills especially among entering students. The school and district are actively engaged in a curriculum renewal process which emphasizes the integration of social/emotional learning skills across all content areas.

Community connections: AES teachers enhance the educational program of the district through a variety of extension experiences. We have formed a partnership with the Amesbury Council on Aging and have been able to bring the Bridges Together intergenerational program into third and fourth grade classrooms. Our Kindergarteners also travel to the Senior Center for holiday-themed programs. The Amesbury Rotary Readers program connects many local business people with our younger readers. Both the Amesbury Police and Fire departments provide safety programming to all students. Our school psychologist teamed with support staff in other schools to successful compete for a grant to create a mentor program, Check & Connect, which will focus on at-risk children. The Amesbury PTO services both schools and provides funds for a number of in-school programs as well as field trips to support the curriculum.

GRADE AND SCHOOL CONFIGURATION POLICIES

Current Grade Configuration

The Amesbury Public Schools provides educational programs for students in grades preschool through grade 12. As of September 20, 2018, there were (2,193) students enrolled in the Amesbury Public Schools. There are two elementary schools in Amesbury: Amesbury Elementary School (AES) and Cashman Elementary School (CES). Each school educates students from Pre-Kindergarten through Grade Four; Amesbury Middle School serves students in grade 5 through 8; and Amesbury High School serves grades 9 through 12. For the most part, students attend the elementary schools in their geographical neighborhoods with the exception of the district wide special education programs.

Due to space constraints at the elementary schools, the District decided to move the 5th grade to the Middle School in 1998. The addition of 5th grade to the Middle School resulted in some sacrifices to the existing programs such as eliminating Family Consumer Science.

The District has taken the AES project as an opportunity to evaluate grade configurations from Pre-kindergarten through Grade 8 and how best to configure the schools which are programmatically driven rather than space driven and provide equity throughout the district. The outcome of this evaluation is as follows:

Middle School	Grades 6 – 8
Elementary Schools	PK – grade 5

The additional space gained by moving the 5th-grade students from the Middle School would allow the Middle School to reinstate programs that were eliminated due to space constraints such as Family Consumer Science as well as offering a second foreign language in grades 6 and grade 7. Further, there is a strong desire to establish a long overdue Middle School Academy as a precursor to the District's Innovation High School. This academy setting would allow faculty to provide differentiated learning, behavior management strategies and trauma-sensitive practices for students in need by providing enhanced programming in the areas of academics, therapeutic support, and vocational training. There are other special education support services such as the CARE program for tier 2 students as well as additional outside resource services for families.

The proposed grade configuration for this educational program is a new PK, K-2 at the Amesbury Elementary School and grades 3-5 at the existing Cashman Elementary School. This new grade configuration offers students to receive the same quality educational and learning experience through common curriculum, leadership and related services with less communication and curriculum issues between the two elementary schools. This configuration creates staffing efficiencies, teacher collaboration and professional development across each entire grade level.

The "new" facility will provide for appropriately sized classrooms with individual toilets in the pre-kindergarten and kindergarten classrooms as well as resources to support the younger grades. In addition, the layout of the school will be appropriate for younger grades where the Cashman School is on 5 different levels.

The transition for the new grade configuration will be supported with preparation for staff and families through the completion of the "new" facility in 2022. At the writing of this **updated** educational program (**October 2018**), there are two sites being considered for the "new" facility. The existing Amesbury Elementary School (AES) site and the **Cashman Elementary School** site. The existing AES site is approximately 1.5 miles away from the Cashman Elementary School (CES). This would be the furthest distance a family would be required to travel from the AES school housing PK, K-2 to the CES school which would serve grades 3-5. A new Amesbury Elementary School on the CES site would create a campus environment embracing grades PK – 5. The other site that was considered was the Woodsom Farm site which is the parcel next to CES. However, after significant discussions regarding the Woodsom Farm site it was determined that the site is a community asset with opposition to build a new school on the site. Therefore, Woodsom Farm is no longer a site option under consideration.

A considerable amount of thought has been given to the new grade structure. Upon final selection of a site, further evaluations will continue for a smooth transition for the new grade configuration such as slightly different school start times and reduced or eliminated bus fees.

After an extensive review with MSBA regarding the original enrollment of 855 students in grades K-5, it was agreed that the enrollment for FY2026-27 is as follows:

District-wide grade K-2 enrollment: 425 Students

District-wide grade 3-5 enrollment: 450 students

CLASS SIZE POLICIES

The Amesbury School Committee and the Amesbury Education Association recognize that class size is an important factor in quality education. Teacher/pupil ratios are stated in the collective bargaining agreement between the Amesbury Education Association: Unit A and the Amesbury School Committee. The language with regard to the elementary school states, "*The School Committee will make every effort to maintain the following building-wide teacher/pupil ratios for the duration of the Agreement:"* All classrooms across grades provide inclusion for students with special needs. It is critical to provide small quiet working areas within these classrooms to meet the educational needs of the inclusion and integrated students. Based upon the District's commitment to quality education the School Committee took its first vote to accept the following class size guidelines on June 18, 2018 and ratified the vote on July 9, 2018 as follows:

GRADE LEVEL	CLASS SIZE
K	17 – 20
1 – 2	18 – 22
3 – 5	20 – 24
6 – 8	22 – 26
9 – 12	Reasonable Class size

For the purpose of determining the number of classrooms required per grade, the District will use the "average" class size as follows:

- Kindergarten: 18
- Grade 1: 20
- Grade 2: 20
- Grades 3-5: 22

The Amesbury Elementary School is currently configured in the following manner:

- Pre-K 1 classroom (15 Students)
- Kindergarten 3 classrooms (20 average class size)
- Grade 1 4 classrooms (18 average class size)
- Grade 2 4 classrooms (16 average class size)
- Grade 3 3 classrooms (25 average class size))
- Grade 4 4 classrooms (22 average class size)

TOTAL 19 CLASSROOMS

In this proposed grade configuration, a "new" facility for AES would be built to accommodate all students currently in Pre-kindergarten through grade 2 in the entire district. Planning for a 25 section school (including 3 PK classrooms) with an increased population in the current special education programs would necessitate lower class size to accommodate the children with profiles on the Autism Spectrum as well as students with developmental and behavioral needs. Based upon the class size goal and in recognition of the integrated and inclusionary approach to special education, any larger class size than the class size policy would create a substantial burden on the teachers and students in the classrooms.

To maintain the student-to-teacher ratio it is strongly recommended that there be eight classrooms for Kindergarten and seven classrooms per grade in 1st and 2nd grades to accommodate the need for a larger than normal grade size. In addition, there are three integrated pre-kindergarten classrooms which are additive to these classrooms. Otherwise a larger than typical class would create a substantial burden on the teachers and students. The breakdown per grade based upon an enrollment of 425 students in 22 sections (K-2) is as follows:

Year	Integrated PK	K	1	2	3	4	5	6	7	8	Total
2026-27 MSBA Enrollment		141	142	142	150	150	150				875
AES PK-2											
Total # students AES		141	142	142							425
Average # students/classroom		18	20	20							
# classrooms required	3.00	7.83	7.10	7.10							
Round # Classrooms	3	8	7	7							25

SCHOOL SCHEDULING METHOD

The school day for AES students in Grades 1 – 4 runs from 8:30 am to 3:00 pm. Kindergarten students attend from 8:30 – 1:30. AES allocates instructional time for elementary core subjects, which include English Language Arts (ELA), mathematics, science, social studies and social curriculum. These time allotments are as follows:

	Kindergarten	Grades 1&2	Grades 3&4
ELA	45 minutes daily	120 minutes daily	120 minutes daily
Fundations	30 minutes daily	30 minutes daily	
Mathematics	45 minutes daily	60 minutes daily	60 minutes daily
Social Skills	30 minutes daily	30 minutes daily	30 minutes daily
Science	75 mins/wk integrated	180 mins/wk integrated	180 mins/wk integrated
Social Studies	75 mins/wk integrated	120 mins/wk integrated	180 mins/wk integrated

In addition, a 30 minute intervention block is scheduled daily in grades 1 – 4 to provide opportunities for remediation and extensions of skills in all areas, primarily in ELA and math.

Under Article IV: "Working Conditions" of the collective bargaining agreement, elementary teachers are entitled to a 30 minute duty free and meeting free lunch period. In addition, elementary teachers have a minimum of 300 minutes weekly preparation time in grades 1- 4 with 240 minutes preparation time per week for kindergarten teachers. Currently, AES runs five lunch sessions beginning at 10:30 am and ending at 1:00 pm.

Amesbury Public Schools as well as the community, values opportunities to expose young learners to visual and performing arts, physical education, digital literacy, and library. Students in grades 1 – 4 have one hour per week each of Art, Music, Physical Education, Library, and Technology. At the Kindergarten level this is reduced to 45 minutes per subject (with the exception of Technology which is 30 minutes). In addition, Kindergarten students have a weekly 30 minute Guidance class, focusing on SEL skills and taught by one of the school counselors. All of the other specials are taught by teachers in that discipline. The technology position is full time (1.0 FTE), Library and Physical Education are 0.8 FTEs and Art and Music are 0.75 FTEs.

All kindergarten through grade 4 students have one recess each full school day. The lunch recess is 15 minutes in length. This is consistent with all elementary schools in Amesbury.

The proposed schedule would remain mostly unchanged with grades K-2, however the larger cafetorium would allow for 3 lunches in lieu of the current five sessions.

TEACHING METHODOLOGY AND STRUCTURE (E.G., ACADEMIES, DEPARTMENTS, HOUSES, TEAMS, ETC.)

AES grade level teams are comprised of the grade level teachers, the special education teacher assigned to that grade, and the reading specialist. The schedule provides for 60 minutes of common planning time every day (45 minutes at K level) with one day per week set aside to formally meet with the principal. Additional school staff may be scheduled to attend this session as needed (i.e. nurse, guidance, sub-separate special education, etc.). This will not change in the future. In fact, it will be enhanced with the grade structure of PK, K-2; 3-5 whereby all teachers at each grade level in the District will be together.

The teachers implement the Massachusetts Curriculum Frameworks and the rigorous curriculum and assessment expectations set forth by the Amesbury Public Schools. The

Amesbury Public Schools have been engaged in an extensive three-year curriculum rewrite process in all content areas, PK – 12. The goals are to be fully aligned with the current frameworks, ensure a full vertical articulation in all areas, and fully integrate SEL competencies within the content areas. Below is an overview of the general elementary curriculum, methods and assessments used by teachers:

LITERACY

There is explicit instruction in reading and writing skills and strategies taught in a variety of modes in a supportive environment that encourages risk taking. Students are presented with different levels of challenge that include instructional level, just at the edge of the student's ability, a challenge level offering harder material and an independent level. The delivery method will not change with the new facility, however appropriate spaces will provide for the ideal instruction.

Specific instructional components include:

- Explicit instruction in reading and writing strategies and skills
- A wide range and variety of literature and informational text
- Assessment informing daily instructional planning
- Formative assessment used to adapt instruction to individual needs
- Daily opportunities for independent practice
- Whole class lessons, small group instruction, 1:1 instruction
- Intensive instruction for struggling readers
- Communities that promote a love of reading and writing

There is an emphasis on independent reading and the development of a lifelong reading habit; this includes nightly reading by all students.

AES provides explicit writing instruction, common writing prompts and scoring methods.

Specific instructional components include:

- All grades provide writing experiences that emphasize generating ideas, drafting, conferring, revising, editing, publishing, and celebrating creative efforts.
- Lessons focus on writing for a variety of purposes, emphasizing writing as a tool to convey a message to a specific audience and to enhance learning and thinking in all subject areas
- Reading Resources: *Reading Street, Pearson; Fundations, Barbara Wilson; Fountas and Pinnell Benchmark System; DIBELS Dynamic Indicators of Basic Literacy Skills; MAP; Spelling Inventory*
- Writing Resources: *John Collins; Reading Street, Pearson; Step Up to Writing, Maureen Auman; common writing prompts and assessments*

Although most of the reading and writing instruction takes place within the classroom environment, smaller work areas are necessary to facilitate individualized instruction, both in 1:1 and small group settings. Currently this occurs only in the classroom or in the corridor due to space constraints of the existing school. However, areas designed inside and outside the classroom are preferred. A centralized office for the specialists with a shared small group instructional space on each floor is required in a new facility.

In support of literacy, a new building will house a Literacy Professional Center which would serve many purposes. The collection used for literacy instruction would be housed in the shared literacy library space in order to facilitate sharing the texts and technology devices across classes and grade levels. The space would be the location of professional learning for teachers, assistants, and parents. The specialized materials used for literacy intervention would also be stored in a centralized location to increase their use by teachers providing RTI (Response to Intervention) services to students in classrooms and small breakout spaces.

Each floor would include instructional spaces adjacent to clusters of classrooms for small group lessons. Literacy specialists, ELL teachers and special education staff would use the breakout rooms.

MATH

Students learn mathematics in whole class, small group, and partner configurations. The curriculum includes a variety of hands-on activities and many materials that require space to store in each classroom.

Mathematics *GoMath (Houghton Mifflin Harcourt); Developing Number Concepts by Kathy Richardson; Xtramath.org; IXL.com; reflexmath.com; EngageNY*

Math instruction includes a wealth of materials and technology. A math specialist position was cut from the budget several years ago but it is hoped that it will be reinstated in the future and in time for the new facility. This position will have a space for planning, consulting with teachers, work with small groups of students, and material storage and would ideally be located in the same space with the literacy specialists. The math specialist models instruction in the classroom that includes hands-on materials and project learning. The general classrooms will have the flexible workspaces for children to spread out and complete projects connected with all curriculum areas. In addition, the math specialist also utilizes small group or break out rooms.

SCIENCE TECHNOLOGY/ENGINEERING

Teachers are transitioning to the newest Frameworks in order to implement a hands-on science and engineering curriculum that requires the use of kit materials and student science notebooks. Each grade level uses water as a material in their curriculum so sinks are required in every classroom. Additionally, space for storage of science materials, for set-up and use of the materials for investigation or experimentation, are required. Storage for the science kits when not in use is needed.

- Science *Curriculum units developed by the Amesbury Public Schools, use of non-fiction reading and writing*

The delivery method will not change with the new facility, however appropriate spaces will provide for the ideal instruction.

SOCIAL STUDIES

Students engage in a history/social sciences curriculum that wherever possible integrates with the informational skills components of the new Mass Frameworks for English Language Arts (incorporating the Common Core Standards). It is important that there be wall space available for maps and educational posters/displays as well as ample storage capacity for books and other content materials.

- Social Studies *Curriculum units developed by the Amesbury Public Schools, use of non-fiction reading and writing, LPS Windows and Mirrors diversity curriculum, National Geographic continent map study*

The delivery method will not change with the new facility, however appropriate spaces will provide for the ideal instruction.

WORLD LANGUAGES

World Language is not taught in the elementary schools in Amesbury.

SOCIAL/EMOTIONAL

Morning Meeting is a critical part of all of our classrooms. Many teachers follow the methods of The Responsive Classroom program to promote pro-social learning and problem -solving. An area of the classroom will be zoned for morning meeting, mini-lessons in Readers and Writers Workshop and other like functions.

AES holds bi-monthly All School Meetings to provide instruction around SEL themes and to celebrate our students and their learning. Students are seated on the gymnasium floor, and staff are seated in perimeter chairs.

- Pro-Social *Responsive Classroom, Social Thinking, Zones of Regulation, PAX The Good Behavior Game, Second Steps; Second Steps Bullying Prevention*

Regular education teachers engage in flexible grouping methods to meet the instructional needs of their students. Grouping and regrouping methods take place frequently within classrooms and across grade level classrooms. Regular education, special education, and literacy teachers collaborate seamlessly to provide tier one (general curriculum), tier two (strategic intervention) and tier three (intensive intervention) primarily in the inclusive environment.

Currently grade level classrooms are not able to be located within common hallways and adjacent locations as there is a need for at least class at each grade level to be located on the main floor. In a new building it is hoped that close proximity, which is critical in order to achieve the requisite communication and collaboration for flexible grouping methods, can be accomplished.

Pull-out instruction is provided for students who require it, based on their personalized instructional needs within tier two and tier three programming. There is shared responsibility among the faculty for all students' success. Students meet with literacy, special education, speech and language, occupational and physical therapy, adaptive physical education, counselors and school counselors in small spaces that are often used by multiple providers.

The delivery method will not change with the new facility, however appropriate spaces will provide for the ideal instruction.

TEACHER PLANNING AND ROOM ASSIGNMENT POLICIES

The ideal grade level classroom formation would neighbor one another to offer close proximity for collaboration, communication and flexible grouping. Other core academic spaces such as art, music and library would ideally be within close proximity to the general classrooms to provide ease of transition from space to space as well as limit the transition time between classes to maximize the time spent in the classrooms.

Other core spaces such as the gymnasium and cafeteria are also used by the community therefore ease of access for the public is preferred. In a new facility, the cafetorium will ideally be located on the first floor with direct access to the play spaces for time before or after lunch.

Much of the support services (literacy, math and special education) instruction at AES occurs within the general education classrooms, however some small group instruction takes place outside the classrooms, and spaces for small group instruction are required. These spaces should be easily accessible from the general classrooms.

The original two story AES was constructed in 1968. There are also six modular classrooms on the first floor added to the building in 1999. In addition, when the modular were installed an additional space was constructed which houses the art room and technology classroom.

Most of the special education instruction occurs within the regular education classrooms. However, there are two Resource Rooms available for pullout instruction. This space currently houses four Resource Room teachers, who work alongside one another with groups of children who benefit from minimal distractions to learn effectively. They are located on the first floor next to the main office. In addition, there are two classroom spaces dedicated to a substantially separate program servicing students with autism.

In a new facility special education spaces should be large enough for teacher planning, testing, consultation and small group instruction. The rooms should be centrally located on each floor for easy access.

The Occupational Therapist and Physical Therapist share a full classroom space. In a new building, they will share a large motor space with the OT requiring additional space for testing and small group learning.

The delivery method will not change with the new facility, however appropriate spaces will provide for the ideal instruction.

Two Speech/Language Pathologists and a Speech Assistant currently work in small spaces requiring students and staff to walk through one room in order to access another. Looking ahead to a new space, the Speech/Language Pathologists bridge both the Resource Room and Intensive Learning Programs. Their spaces should provide for teacher planning and consultation, testing, small group instruction.

The delivery method will not change with the new facility, however appropriate spaces will provide for the ideal instruction.

There are two sub-separate intensive needs rooms for the district wide special education program. The ILP (RISE) students have diagnoses on the autism spectrum. One program is for younger students (PK & K) and one for students in grades 1-4. Students who participate in ILP are included in the general education program per their IEPs, with the two classrooms providing small group space for alternate instructional environments, behavioral check-in and check-out, lunch groups and student behavioral programming support. The classrooms are crowded with simultaneous instructional groups, leading to auditory and visual distractions.

The ILP students would continue to be included in the general education classrooms in a new school. Their specialized instruction takes place in both the general education setting and in small group spaces. Special educators working with ILP students need shared classroom space for specialized materials, small group instructional areas and calming spaces for staff and a child who is dysregulated. The program includes services of a BCBA who requires office space for consultation and planning purposes. Students in the ILP often travel to school in specialized vehicles. A space should be designed as part of the school's dismissal area that can be accessed by the students so that they are able to wait for the vans in a quieter location while still being integrated into the end-of-day routines.

The delivery method will not change with the new facility, however appropriate spaces will provide for the ideal instruction.

A Special Education Facilitator leads special education team meetings and organizes all mandated documentation associated with special education services. They require office space for Team Meetings of staff and parents in a confidential location near administrative offices.

The delivery method will not change with the new facility, however appropriate spaces will provide for the ideal instruction.

The Amesbury Public Schools employ school psychologists to evaluate students. A school psychologist at the new AES would require a private office for testing and meeting with families and should be adjacent to the administration and team meeting conference space.

There is one classroom space for the Title I Literacy Program, with small groups of struggling readers working in the same room with one reading specialist and one assistant.

Additional small office spaces are located throughout the school, including an evaluation team supervisor (ETS) office, a counselor office, a psychologist/social worker shared office, The technology integration specialist and the part time evaluation team supervisor for the ILP cases share a space. Adaptive Physical Education takes place in the OT Room, on the stage or outside.

Art classes are held in one add-on classroom. There is insufficient space for storage of materials and unfinished projects. There is no hot water available in the retrofitted sink.

A new AES will require one Art Space. The room should have adequate storage for supplies, access to the kiln, sinks with clay traps and display spaces. Flexible space in order to arrange furniture in multiple configurations is important. Technology will play a vital role in Art education and integration with other curriculum areas.

General Music takes place is a significantly undersized classroom with inadequate space for instrument storage, a piano, teaching materials and movement areas for children.

One general music classroom be needed in a new AES. Storage for this program is critical with the use of large percussion instruments a key element of the curriculum. Instrumental music education is also part of the Amesbury elementary grade program, necessitating up to five rooms for group lessons and storage of large string and brass instruments.

FLEXIBLE GROUPING

Regular education teachers engage in flexible grouping methods to meet the instructional needs of their students. Grouping and regrouping methods take place weekly within classrooms and among grade level classrooms. Regular education and special education teachers collaborate seamlessly to provide tier one (general curriculum), tier two (strategic intervention) and tier three (intensive intervention) in the inclusive environment. Pullout instruction is provided for students who require it, based on their personalized instructional needs within tier two and tier three programming. There is shared responsibility among the faculty for all students' success. The current configuration with grade level classrooms scattered across the building has a significant negative impact on our ability to fully utilize flexible groupings.

LUNCH PROGRAMS

Breakfast and lunch are provided by Chartwell's School Dining Services. Parents set up online lunch accounts and pre-pay meals. All students have a PIN code.

AES serves breakfast daily to 30 - 35 students. Since breakfast is from 8:30-8:45 a.m. when the majority of students arrive, students have limited time to go to the kitchen, pick up the meal and eat in the cafeteria. A teacher supervises the students.

AES serves 150 - 200 student lunches daily. Each lunch period utilizes one serving line and one register where students use a PIN code system.

AES School has a staff of three that work in a full service kitchen. Five lunch seatings are served every day. Lunch service begins at 10:30 a.m., and the last lunch concludes at 1:00 p.m. There is one grade level in the lunch room at a time. All the lunches have complex, overlapping transitions with one grade level finishing lunch, cleaning up and lining up as the next arrives and enters the cafeteria to reach the serving area. There is no extra space for students to line up at the end of lunch. As a result, they stand next to tables where others are eating. The cafeteria staff also prepare lunch orders for staff members.

The larger cafetorium would allow for 3 lunches in lieu of the current five sessions.

NURSE / MEDICAL

Each Amesbury elementary school provides a full time nurse on site. During 2016-17 the AES nurse oversaw 30 had 3,000 student visits. The current single space is grossly inadequate. AES will require at least one person in this role with adequate space for children who are ill, health screenings completed on an annual basis, storage of health supplies and equipment, and a professional space for the nurse to consult, complete documents and communicate with parents and colleagues.

TECHNOLOGY INSTRUCTION POLICIES AND PROGRAM REQUIREMENTS (LABS, IN-CLASSROOM, MEDIA CENTER, REQUIRED INFRASTRUCTURE, ETC.)

AES currently offers the following instructional technology:

1 classroom with 25 pc desktops used by classroom teachers for instruction/research.

1 classroom with 28 Mac desktops used by the technology teacher for direct instruction.

Five mobile carts of 25 Chromebooks shared by all classrooms.

7 Interactive whiteboards (library, Technology room, music, Title I reading (2) and one Kindergarten classroom. Most of these were provided through grants by the Amesbury Education Foundation, Inc. (AEFI).

Grade 3 and 4 classrooms have a Document Reader and LCD projector.

AES has partial wireless access with plans for full access by the start of 2018-19.

All classrooms have a television with a DVD/VCR attached. Digital cameras and Flip cameras are available to teachers on an as needed basis. There are several iPad in the school, primarily used by special education students. There are also a classroom set of tablets, also from a grant, used by 4th grade.

The library is equipped with an interactive white board. There is a desktop computer available to access the card catalog as well as one for the librarian to use for checking in materials.

In a new facility the Library should serve as a hub of learning utilizing print and all other types of media as resource and tools. The space should be large enough and flexible in its furnishing such that it can accommodate multiple groups of students at the same time. Shelving should be low, enabling children access to materials independently and staff to have visibility across the space. Children need a space to listen to stories and receive instruction in research, media and love of reading. They need space to compete research tasks using texts and technology. Within the Library should be space for teacher and parent meetings. The Library Media Specialist requires a workspace for preparing materials as well as for their circulation. Technology is used for the catalog and as a learning tool with adequate devices for a full class.

A new building will be designed to meet the needs of the 21st century as we know them and provide flexibility for future technology advances. Personalized and multi-disciplinary project spaces should be integrated across the school in order to promote complex problem solving and technology usage. Device charging and storage will be critical as more 1:1 situations are implemented. Each building includes technology integration teachers who need an office for teacher planning and collaboration. Interactive whiteboards will be a critical teaching tool in all general, specialist classrooms and appropriate small group spaces.

There is an Acceptable Use Policy for students and staff in the district. All staff participate in an annual, mandatory training regarding the district policy. Parents are asked to review the Acceptable Use Policy with their children, sign and return the district form and a grade level appropriate student contract to the main office each year.

VISUAL ARTS

Over the course of the week, students take one, 60 minute visual art class. AES currently has one art room. The Art room does have limited storage space, especially when it comes to projects that are in process.

The delivery method will not change with the new facility, however appropriate spaces will provide for the ideal instruction.

PERFORMING ARTS

Over the course of the week, students take one, 60 minute general music class. Due to severe space restrictions, instrumental music is currently not offered. There is an afterschool chorus that meets one day per week.

AES currently has one music room. The music room has no additional storage space and classroom space is limited. When lunch is not in session, the music teacher will often access the cafeteria.

AES holds bi-monthly All School Meetings to provide instruction around SEL themes and to celebrate our students and their learning. Students are seated on the gymnasium floor, and staff are seated in perimeter chairs.

The delivery method will not change with the new facility, however appropriate spaces will provide for the ideal instruction.

PHYSICAL EDUCATION AND OUTDOOR ACTIVITIES

All students participate in physical education once a week, for 60 minutes. Teachers employ the Amesbury Public School physical education curriculum.

AES currently has one Physical Education teacher The gymnasium is primarily used for physical education. When the weather allows, classes are conducted on the front field.

Outdoors, AES has a large field, including a baseball field, two traditional playgrounds, and an exercise area. The playgrounds are on the opposite end of the school from the fields. The smaller playground is used by Pre-K and Kindergarten. Drainage is an issue with both playgrounds, which were installed by volunteers in 2004. During the winter, the students play in the snow as much as possible or on the cleared blacktop.

In a new facility the outdoor spaces must take into account the age span and the levels of physical development of the student population, including those needing adaptive play equipment. There are students at AES who receive Adaptive Physical Education services both during PE classes and at separate times.

The delivery method will not change with the new facility, however appropriate spaces will provide for the ideal instruction

SPECIAL EDUCATION

AES currently provides Resource Room support to students identified with a moderate level of special needs who account for 18% of the total student body. In addition, AES serves as the school placement for students identified with profiles on the autism spectrum or other pragmatic language challenges that are primarily in a self-separate program. These two programs, RISE and RISE Jr., currently serve 14 students. Integration into general education settings provides equity and access in the least restrictive environment with best practices for the students.

The delivery method will not change with the new facility, however appropriate spaces will provide for the ideal instruction.

The State recently completed their coordinated program review with Amesbury Public Schools and there were no deficiencies reported.

The Cubs program, currently housed at the Cashman School, is a special education program for students in kindergarten and grade 1 who spend a combination of time in a substantially separate setting and a general education setting with extensive support. The Cubs program currently serves 6 students with one teacher and two paraprofessionals. They require a classroom with an attached quiet room/safe space for behavioral support and emotional regulation. The classroom location provides for easy access for the teacher, multiple educational assistants, behaviorist, and students to move between their classroom and the general education classroom. It should be located near to a central bathroom and the motor room. The classroom should have easy access to related service providers as transitions are difficult for this population.

The delivery method will not change with the new facility, however appropriate spaces will provide for the ideal instruction. The program would now be served at AES due to the grade re-configuration.

The Learning Center program, which is currently housed at Cashman, is for students in grades 1-4 with cognitive disabilities whose academic needs require significant support and time both in and out of the general education classroom. There is one teacher and one paraprofessional in the program with specialized curriculum and materials utilized in this space. This classroom should be located close to a central bathroom and the motor room for movement breaks.

The delivery method will not change with the new facility, however appropriate spaces will provide for the ideal instruction. The program will also be included at AES for the second grade.

Inclusion is a core belief and practice in the Amesbury Public Schools. This educational model challenges schools to meet the needs of all students by educating learners with disabilities alongside their non-disabled peers. The environment necessary to nurture and foster inclusion is built upon a shared belief system between general and special education, and a willingness to merge the talents and resources of teachers.

The mission of all of the schools in Amesbury is to maximize the potential and independence of each student. An inclusive education helps prepare students with disabilities for an integrated adult life and builds understanding and acceptance within the broader community.

Response to Intervention (RTI) provides the regular education foundation of AES's continuum of service model. AES provide tiered levels of support to all students (tier one – the general classroom curriculum; tier two – strategic levels of instruction; tier three – intensive levels of instruction usually at the individualized level.) Authentic, classroom-based assessments help the AES teachers drive daily instructional decision making, select instructional materials, and monitor academic progress. If a student demonstrates academic and/or pro-social performance issues despite thorough RTI procedures, the team or individual teacher may request the Child Study Team process. These teams provide student case review, and support the teacher to implement additional strategies or suggest an in-depth evaluation to identify additional student needs.

Special education services at AES range from a least restrictive consultative level to a more restrictive district wide placement level, (i.e. the RISE Program). AES offers academic resource room services that are available for pull-out instruction (5 resource teachers). The RISE students are served by 2 special educators. There is a 0.5 Student Support teacher who services students with emotional handicaps in inclusion settings. Related service professionals include 1.6 speech/language pathologists, 1 speech assistant, 0.8 occupational therapist, an itinerant physical therapist, .5 psychologist, and 1 Special Education Facilitator who chairs all IEP meetings. The Facilitator's office also serves as the meeting space for all full TEAM Meetings, as well as for weekly meetings with special education teacher teams.

The RISE program is one of Amesbury's district wide programs for students with profiles on the autism spectrum or similar pragmatic language disabilities.

These children require specialized, targeted interventions to develop the necessary skills to function as independently as possible while gaining academic skills. The Reaching Independence through Structured Education (R.I.S.E.) program currently consists of two substantially separate classrooms serving children in pre-kindergarten and kindergarten (R.I.S.E. Jr.) and first – fourth grade (R.I.S.E.). The students within this highly structured environment require direct, differentiated instruction, occurring in individual or small group sessions, in order to access the curriculum. Students within this program acquire skills relating to appropriate behavior and independent life skills with evidence-based programming focusing on safety, independence, social, functional, and academic skill development. This program is based upon principles of applied behavior analysis and receives direct consultation from a Board Certified Behavior Analyst.

Due to the students' unique learning profiles, these children require systematic teaching methodologies (e.g. discrete trial instruction, direct instruction, errorless teaching, modeling, prompting, positive reinforcement, task analyses, shaping, etc.) with data collection, analysis and objective, data-driven decision making. There is also an emphasis is placed on addressing verbal/non-verbal communication, social interactions, sensory responses, flexibility, repetitive and stereotyped activities and movements and appropriate behavior. In order for the students to acquire skills, they require a classroom environment that is developed with their distinctive needs in mind.

The Cubs program, currently housed at the Cashman School, is a district wide special education program for students in kindergarten and grade 1 who spend a combination of time in a substantially separate setting and a general education setting with extensive support. They require a classroom with an attached quiet room/safe space for behavioral support and emotional regulation. The classroom location provides for easy access for the teacher, multiple educational assistants, behaviorist, and students to move between their classroom and the general education classroom. It should be located near to a central bathroom and the motor room. The classroom should have easy access to related service providers as transitions are difficult for this population.

The Learning Center program which is the third district wide special education program currently housed at Cashman, is for students in grades 1-4 with cognitive disabilities whose academic needs require significant support and time both in and out of the general education classroom. There is a teacher and multiple paraprofessionals in the program with specialized curriculum and materials utilized in this space. This classroom should be located close to a central bathroom and the motor room for movement breaks.

The Amesbury Public Schools is developing a Language-Based Program designed specifically for students with dyslexia and/or language-based learning disabilities. These students require a multi-sensory approach to support their reading, writing, listening, speaking and organizational skills in a self-contained, supportive setting. Through a language-based teaching approach, students are provided with consistent instructional methodology which is highly structured and focuses on oral and visual modalities to support language processing and production. Students receive specialized reading instruction and assistive technology consultation geared toward their individual needs. Study and executive functioning skills are also emphasized. The program will allow for reinforcement of these strategies across all content areas as students are integrated into general education classrooms throughout the school day. The overall goal of the language-based program is to continue to develop literacy skills and strategies while providing supported access to grade level curriculum. This dedicated classroom location will need to provide for easy access for students to move between their classroom and the general education classroom.

A recent national study has reported that the diagnoses of Neonatal Abstinence Syndrome (NAS) has steadily increased from 1.2 to 3.4 per 1000 live births as a direct result of the increase in maternal opioid use during pregnancy. There is evidence that an infant who suffers from Neonatal abstinence syndrome (NAS) has a greater risk of physical, emotional/behavioral, and/or cognitive delays long term. In Amesbury we have had our first referral from Early Intervention for a child with NAS, and have been informed that we can expect more over the next few years. In response, we would develop a sub-separate classroom for students who present with significant delays who will need specialized instruction more than 50% of the school day. This classroom should be located close to a central bathroom and the motor room for movement breaks. The classroom should have easy access to related service providers as transitions are difficult for this population.

Special education learning spaces are interspersed among regular education classrooms on the first floor of the building. The two resource rooms are across from the library. The speech/language and OT/PT each have a full sized classroom in the modulars. The speech room was sub-divided into two spaces The RISE and RISE Jr. classrooms are also on the main floor.

The last coordinated review was completed in May 2018 and there were no issues or problems identified as a result of this review.

Amesbury Public Schools does not have any other specialized spaces or collaborate spaces that will be required to be a part of the new facility.

Amesbury Public Schools does not provide or participates in Special Education Day School Programs.

Typical Day in the Life of a Student	
Activity or Subject	**Program Details and Educational Benefit**
8:30 Arrive	Breakfast is available for any student beginning at 8:15. Students arriving by bus are allowed off the bus early to go inside. Approximately 40 students each breakfast on any given day.
8:45 Intervention Block	This time is set aside for smaller group instruction with no pullouts from related services or specialists. Students are often shared between teachers at a grade level with like leaners being clustered together to work on specific skills. This time is also used for social skills instruction.
9:15-10:15 Math	60 Minute Math Block. This allows students to master the Mass Frameworks.
10:15 – 11:00 Fundations/Read Aloud	30 minutes of specific skill instruction in phonics followed by 15 minutes of practice with listening comprehension. This allows students to master the Mass Frameworks.
11:00 – 11:45 Lunch and Recess	30 minutes of lunch followed by 15 minutes of outside recess. This provides both a time to eat as well as down time for students and a time to play outside at the safety of the school.
11:45 – 1:00 ELA	Students have instruction in reading and writing. This allows students to master the Mass Frameworks.
1:00 – 2:00 Specials	Students have one special a day: physical education; music; art; library skills; and technology instruction. This allows students to master the Mass Frameworks.
2:00 – 2:50 Science and Social Studies	Science and Social Studies This allows students to master the Mass Frameworks.
2:50 Prepare to leave 3:00 Dismissal	Students are dismissed at 3:00 PM.

Week in the Life of a Student	
Weekly Activity or Subject	**Program Details and Educational Benefit**
Specials	5x a week for 60 minutes a day, students go to a Special. The benefit is a well-rounded curriculum that address the Mass Frameworks in areas such as PE, Technology or the Arts.
Math	5x a week, 60 Minute Math Block This allows students to master the Mass Frameworks.
Reading	5x a week for 120 minutes of Reading Instruction a day. This allows students to master the Mass Frameworks.
Recess	Students have recess 5x a week for 15 minutes daily. This provides down time for students and a time to play.
Writing	Students have Writing Instruction 5x a week for 40-60 minutes daily. This allows students to master the Mass Frameworks.
Science and Social Studies	Science and Social Studies 2.5 hrs a week for each subject. This allows students to master the Mass Frameworks.

TRANSPORTATION POLICIES

Amesbury Public Schools provides bus transportation for K-6 students living more than two miles from their districted school, as measured by the Geographical Information System (GIS) tool used by the City of Amesbury. These students are transported at the city's expense.

K-6 students who live two miles or less from their school and all students in Grades 7-12 are not transported at the city's expense. Those students wishing to ride the school bus must purchase a bus pass according to the fee schedule, payable in two installments. However, those students who are eligible for the free or reduced priced lunch program, will not be charged the fee.

The Amesbury Elementary School has five district buses, with an additional bus for the kindergarten students who are dismissed at an earlier time. The fee is $250 per year for the first child in any one family. There is a family cap of $450 per year.

Many Amesbury Elementary School students are dropped off at school in a live, drop off line on South Hampton Road. Approximately 110 vehicles drop off students between 8:15 – 8:30 a.m. each day. School staff supervisor the drop off during this time. School dismisses at 3:00 pm each day with the exception of Kindergarten which dismisses at 1:30. Dismissal occurs in three phases: approximately thirty-five "Walkers" are dismissed first and either walk/bike home on their own or are met by parents at a side door; second comes bus dismissal; and finally approximately forty "Parent Pickups" who remain in their cars and serpentine through the parking lot, pulling up front when the busses leave. The Boys and Girls Club in Salisbury also sends a minibus which transports ten students to its program. Staff members supervise both the Walkers door as well as the main door through which bus and Parent Pick Up students leave.

A crossing guard provides for pedestrian safety at the cross walk on South Hampton Road at the end of the school walkway. There are also crossing guards located along Market Street to assist with crossing that main road. Visitor parking is extremely limited on the school site. The school staff provides safety and supervision of on-site arrivals and dismissals. The school also partners with the Amesbury Recreation Department for both before (7:00 – 8:15 am) and after (3:00 – 6:00 pm) school care.

FUNCTIONAL AND SPATIAL RELATIONSHIPS AND ADJACENCIES

Functional and spatial relationships and adjacencies are key to the successful design of the new facility. These relationships define the programmatic, functional, spatial, and environmental requirements of the educational facility and become the basis for the design at the next phase. AES depends on adjacencies for communication, collaboration, flexible grouping, teaming, and indoor recess supervision. AES also requires a facility that can be adaptive to changing enrollment needs, increasing special education and ELL needs, kindergarten drop-off and pick-up needs, and safe arrival and dismissal needs.

Community is a core value among students, staff and parents. AES is a warm and inviting place for children, staff and families. The PTO and parent volunteers are actively involved in before, during and after school programs. AES requires a welcoming main office and community arrival space that accommodates the high morning influx of arrivals and visitors, as well as the active dismissal procedures. The students, faculty and parent community value and require common space to teach and celebrate learning through assemblies and performances. We provide space for a K-4 extended day program through the Amesbury Recreation Department that operates from 7:00 am until school starts and from dismissal until 6:00 p.m. The program enrolls up to 40 students daily Monday through Friday. The Extended Day Program could use an on-site office space and storage for movable furniture and supplies. The office should be located in proximity to the cafeteria. The program uses the cafeteria, the gym and the outside spaces.

SECURITY AND VISUAL ACCESS REQUIREMENTS

AES requires safe main driveway entrance access to the school site with safe secondary access for event purposes and emergency needs. AES also requires:

- Safe staff parking.
- Safe visitor parking on site
- Safe kindergarten student drop off and pick up for parents and children without crossing traffic
- Safe pathways for pedestrians and bicyclists coming from varied directions to the school
- Safe bus loop systems that do not interfere with drop off and pick up traffic
- Safe recess grounds and play fields that can be properly supervised by staff and protected from vehicle traffic
- Visual access of the driveway and parking lots
- Safe access for kitchen, facility and shipping / receiving
- Safe and appropriate access to the perimeter of the building and play fields

- Visual security of the main entrance utilizing video monitoring system that will be monitored at the school's secretary's desk

Access Control

The main public entrance is monitored from 8:00 a.m. – 3:45 p.m. by office staff. Visitors are "buzzed" in and allowed to enter under visual supervision.

During arrival, the main public entrance is unlocked from 7:23– 8:35 a.m.

The AES extended day program staff maintain and supervise one locked door for parents dropping off or picking up their child(ren).

PART 3: INITIAL SPACE SUMMARY

INTRODUCTION

The initial space summary has been completed for the design enrollment of 425 students for Kindergarten through grade 2 per the MSBA Enrollment Certification. Please note Pre-Kindergarten is also included in the space summary however the enrollment is not reflected in the design enrollment. The Space Summary Template deviates slightly from the MSBA Guidelines as follows. Please refer to **PART 2: EDUCATIONAL PROGRAM** for detailed information on these programs.

Core Academic Spaces

- 3 Pre-Kindergarten classrooms are included in the space summary to support the entire PK program at one facility.
- 5 additional kindergarten classrooms are required as the grade configuration for the AES is to support all students in grades K-2 for the district. Based upon the chart below, kindergarten demonstrates the need for eight classrooms based on the average of 18 students per kindergarten classroom.

Class Size	PK	K	1	2	Total
# Students		141	142	142	425
Average # students/class		**18**	**20**	**20**	
# of classrooms	3.0	7.8	7.1	7.1	25
Round	3	8	7	7	25
Total Classrooms/Grade	**3**	**8**	**7**	**7**	**25**

- Literacy Library: In support of literacy, a new building will house a Literacy Professional Center which would serve many purposes. The space would be the location of professional learning for teachers, assistants, and parents. The space will also house the collection used for literacy instruction to facilitate sharing the texts and technology devices across classes and grade levels. Specialized materials used for literacy intervention would also be housed in the literacy library and the space would allow access by teachers providing RTI (Response to Intervention) services to students in the Literacy Library as well as in classrooms and small breakout spaces.
- Title 1 – Reading Program. The Amesbury Elementary School currently provides a Title-1 Reading program. This program will continue in the new facility and requires 500 NFA.
- English Language Learners (ELL) Program is a mandated state program. The existing Amesbury Elementary School has one ELL teacher to serve the ELL students. This need is expected to remain the same. The ELL teaching model is push in and pull out depending on a student's English proficiency. Students at the entering and developing stage need a designated ELL learning classroom in which to meet with the ELL teacher four times a week. This program requires one (1) classroom at 500 NFA.

Special Education

- Amesbury Elementary School has a higher than average Special Education population, with 18% of the student population receiving Special Education services. The District's approach to Special Education is an inclusionary approach and includes pull out programs. Although much of the special education is delivered within the general classroom the need for smaller spaces for the Tier 2 and Tier 3 components is a necessity. Amesbury Elementary School currently provides Resource and Student Support programs to support students identified with a moderate level of special needs. In addition, Amesbury Elementary provides sub-separate environments to serve several different student needs.
- The Intensive Learning Program (RISE) and RISE Jr. is one of Amesbury's district-wide programs for students with profiles on the autism spectrum or similar pragmatic language disabilities. Students who participate in the RISE program are included in the general education program based upon their IEPs. Due to state mandated allowable classroom age spans, RISE JR serves students in pre-kindergarten and Kindergarten. RISE serves students in first through fourth grade. Both classrooms are substantially separate with a self-contained toilet rooms, a shared motor room, and quiet rooms. For additional detailed information on this program please refer to **PART 2: EDUCATIONAL PROGRAM.**
- The Cubs program is a district-wide program serving students in Kindergarten through second grade who require extensive behavioral and emotional support. While the classroom is substantially separate it does not require a self-contained toilet rooms.
- The Low Cognitive program (also called the Learning Center) is a district-wide program providing support to students in grades 1-4 with low cognitive capabilities when not integrated into the traditional classroom.
- The Language Based Program (LBP) a district-wide program providing support to students in grades 1-4 with language-based disorders such as dyslexia. This program integrates students into the classrooms to the extent possible.
- The NAS program is a program providing support to students who suffer from sever learning, social, emotional, and physical disabilities as a result of suffering from Neonatal Abstinence Syndrome (NAS). Currently many students requiring this level of intervention are sent out of district for services. The District intends to provide this program so students can remain with their peers.

Art and Music

- In addition to the traditional specials such as visual and performing arts, Amesbury Elementary School has a full-time teacher dedicated to teaching Engineering and Technology. Students have access to maker spaces and video creation. This program requires a dedicated classroom.

Media Center

- The actual Media Center meets the MSBA space guidelines at 2,583 NFA. However, the AES employees a dedicated Educational / Instructional Technology staff person who is responsible for the day to day support of the educational technology to the teachers. Further, the staff person supports the technology equipment throughout the school with the additional support of a district technology staff member. This staff member works closely with the librarian, so a natural location would be within the Media Center. The space requires sufficient area to layout technology devices for updates, repairs and general support.

Proposed Space Summary- Elementary Schools

Option 5

Date: 11/1/18 Enter Submittal

AES PK-2 (425)	Existing Conditions			PROPOSED Total			MSBA Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)			
ROOM TYPE	ROOM NFA[1]	# OF RMS	area totals	ROOM NFA[1]	# OF RMS	area totals	ROOM NFA[1]	# OF RMS	area totals	Comments
CORE ACADEMIC SPACES			**20,105**			**28,450**		**18**	**17,850**	
(List classrooms of different sizes separately)										
Pre-Kindergarten w/ toilet (Integrated)	974	1	974	1,200	3	3,600	1,200		-	1,100 SF min - 1,300 SF max
Kindergarten w/ toilet	982	2	1,964	1,200	8	9,600	1,200	3	3,600	1,100 SF min - 1,300 SF max
Kindergarten w/ toilet	974	1	974							
Kindergarten w/ toilet	970	1	970							
General Classrooms - Grade 1-6	982	5	4,910	950	14	13,300	950	15	14,250	900 SF min - 1,000 SF max
General Classrooms - Grade 1-6	974	4	3,896							
General Classrooms - Grade 1-6	966	2	1,932							
General Classrooms - Grade 1-6	916	1	916							
General Classrooms - Grade 1-6 (Modular)	805	1	805							
General Classrooms - Grade 1-6 (Modular)	774	2	1,548							
Literacy Library	242	1	242	950	1	950				
Title-1 Reading	974	1	974	500	1	500				
ELL				500	1	500				
SPECIAL EDUCATION			**4,434**			**14,520**			**4,530**	
(List rooms of different sizes separately)										
Rise Jr. (Pk-K)										
Self-Contained SPED w/ toilet	864	1	864	1,200	1	1,200	950	3	2,850	900-1,300 SF equal to surrounding classrooms
Self-Contained SPED - toilet	34	1	34	included above			60	3	180	
Quiet Room	41	1	41	175	1	175				
Motor Room				600	1	600				
Rise (1-2)										
Self-Contained SPED w/ toilet (Rise 1-4)	752	1	752	1,200	1	1,200				
Self-Contained SPED - toilet	34	1	34	included above						
Quiet Room (Rise)	140	1	140	175	1	175				
Rise Small Group Room				300	1	300				
Cubs (K-2)										
Self-Contained SPED				1,200	1	1,200				
Self-Contained SPED - toilet				included above						
Quiet Room				175	1	175				
Adjustment Counselor (Cubs/Lions/Camp)				250	1	250				
Lions (3-5)										
Self-Contained SPED (Lions)				At CES						
Quiet Room (Lions)										
Adjustment Counselor (Lions)										
Low Cognitive										
Learning Center - ISN				950	1	950				
Learning Center - toilet				60	1	60				
Language Based Program										
Learning Center - LBP				950	1	950				
NAS Program										
Self-Contained SPED				1,200	1	1,200				
NAS - toilet				60	1	60				
Student Support Program				500	2	1,000				
Resource Room	380	1	380	500	2	1,000	500	2	1,000	1/2 size Genl. Clrm.
Resource Room	253	1	253							
Resource Storage	60	1	60							
Quiet Room 1 / floor (Rise Jr on first floor)				175	2	350				
Small Group Room / Reading / Breakout				150	4	600	500	1	500	1/2 size Genl. Clrm.
Psychologist	77	1	77	175	1	175				
PT (Modular) Room	1,116	1	1,116	500	1	500				
OT Room				500	1	500				
Speech (SLP) (Modular)	460	1	460	250	2	500				
Special Education Facilitator Office	223	1	223	150	1	150				
Facilitator Conference Room				250	1	250				
BCBA				175	1	175				
Social Worker / Therapist				175	1	175				
Adjustment Counselor				250	1	250				
ART & MUSIC			**3,033**			**3,525**			**2,575**	
Art Classroom - 25 seats (Modular)	940	1	940	1,000	1	1,000	1,000	1	1,000	assumed schedule 2 times / week / student
Art Workroom w/ Storage & kiln		0	0	150	1	150	150	1	150	
Tech / Digital Literacy / Maker / Engineering	991	1	991	950	1	950				
PC Lab (Modular)	764	1	764							
Music Classroom / Large Group - 25-50 seats	338	1	338	1,200	1	1,200	1,200	1	1,200	assumed schedule 2 times / week / student
Music Storage	236	0	0							
Music Practice / Ensemble		0	0	75	3	225	75	3	225	
HEALTH & PHYSICAL EDUCATION			**3,525**			**6,300**			**6,300**	
Gymnasium	3,404	1	3,404	6,000	1	6,000	6,000	1	6,000	6000 SF Min. Size
Gym Storeroom	121	1	121	150	1	150	150	1	150	
Health Instructor's Office w/ Shower & Toilet		0	0	150	1	150	150	1	150	
MEDIA CENTER			**1,467**			**2,783**			**2,583**	
Media Center / Reading Room	1,366	1	1,366	2,583	1	2,583	2,583	1	2,583	
Work Room	101	1	101	200	1	200				
DINING & FOOD SERVICE			**5,248**			**6,784**			**6,460**	
Cafeteria / Dining	2,701	1	2,701	3,304	1	3,304	3,188	1	3,188	2 seatings - 15SF per seat
Stage	632	1	632	1,000	1	1,000	1,000	1	1,000	
Chair / Table / Equipment Storage			0	355	1	355	342	1	342	
Kitchen	1,677	1	1,677	1,725	1	1,725	1,725	1	1,725	1600 SF for first 300 + 1 SF/student Add'l
Staff Lunch Room	238	1	238	200	2	400	206	1	206	20 SF/Occupant
MEDICAL			**226**			**510**			**510**	
Medical Suite Toilet	26	1	26	60	1	60	60	1	60	
Nurses' Office / Waiting Room	200	1	200	250	1	250	250	1	250	
Examination Room / Resting		0	0	100	2	200	100	2	200	
ADMINISTRATION & GUIDANCE			**2,311**			**1,995**			**2,140**	
General Office / Waiting Room / Toilet	695	1	695	365	1	365	363	1	363	
Teachers' Mail and Time Room		0	0	100	1	100	100	1	100	
Duplicating Room		0	0	150	1	150	150	1	150	
Records Room	44	1	44	110	1	110	110	1	110	
Principal's Office w/ Conference Area	205	1	205	300	1	300	375	1	375	
Principal's Secretary / Waiting		0	0	included in general office			125	1	125	
Assistant Principal's Office	166	1	166				120	0	-	
Supervisory / Spare Office		0	0	120	1	120	120	1	120	
Conference Room	241	1	241	250	1	250	250	1	250	

Proposed Space Summary- Elementary Schools

Option 5

AES PK-2 (425)	Existing Conditions			PROPOSED Total			Date: 11/1/18 Enter Submittal MSBA Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)			
ROOM TYPE	ROOM NFA[1]	# OF RMS	area totals	ROOM NFA[1]	# OF RMS	area totals	ROOM NFA[1]	# OF RMS	area totals	Comments
Guidance Office/Suite	960	1	960				150	1	150	
Guidance Storeroom		0	0				35	1	35	
Teachers' Work Room		0	0	300	2	600	363	1	363	
CUSTODIAL & MAINTENANCE			**654**			**2,065**			**2,025**	
Custodian's Office	58	1	58	150	1	150	150	1	150	
Custodian's Workshop			0	375	1	375	375	1	375	
Custodian's Storage	179	1	179	375	1	375	375	1	375	
Recycling Room / Trash	39	1	39	400	1	400	400	1	400	
Receiving and General Supply	57	1	57	255	1	255	242	1	242	
Storeroom	259	1	259	310	1	310	283	1	283	
Network / Telecom Room	62	1	62	200	1	200	200	1	200	
OTHER			**0**			**0**			**0**	
Other *(specify)*										
Total Building Net Floor Area (NFA)			**41,003**			**66,932**			**44,973**	
Proposed Student Capacity / Enrollment									**425**	K-2
NON-PROGRAMMED SPACES		% of GFA			% of GFA	**33,466**				
Other Occupied Rooms (list separately)	0.00	0%			0%					Non-Programmed space areas are
		0%			0%					required to be included in the
		0%			0%					following submittals:
		0%			0%					Schematic Design Submittal
Unoccupied MEP/FP Spaces	2,211.00	0%			0%					Design Development Submittal
Unoccupied Closets, Supply Rooms & Storage Rooms	173.00	0%			0%					60% Construction Documents
Toilet Rooms	703.00	0%			0%					90% Construction Documents
Circulation (corridors, stairs, ramps & elevators)	7,350.00	0%			0%					Final Construction Documents
Remaining[3]					33%	**33,466**				
		100%								
	Existing Building GSF		46,427							
	Modulars GSF		7,296							
Total Building Gross Floor Area (GFA)[2]			**53,723**			**100,398**			**70,302**	
Grossing factor (GFA/NFA)			**1.31**			**1.50**			**1.56**	

[1] **Individual Room Net Floor Area (NFA)** Includes the net square footage measured from the inside face of the perimeter walls and includes all specific spaces assigned to a particular program area including such spaces as non-communal toilets and sto

[2] **Total Building Gross Floor Area (GFA)**

[3] **Remaining** Includes exterior walls, interior partitions, chases, and other areas not listed above. Do not calculate this area, it is assumed to equal the difference between the Total Building Gross Floor Area and area not accou

Architect Certification

I hereby certify that all of the information provided in this "Proposed Space Summary" is true, complete and accurate and, except as agreed to in writing by the Massachusetts School Building Authority, in accordance with the guidelines, rules, regulations and policies of the Massachusetts School Building Authority to the best of my knowledge and belief. A true statement, made under the penalties of perjury.

Name of Architect Firm: DiNisco Design, Inc.

Name of Principal Architect: Gary E. Ainslie

Signature of Principal Architect:

Date: 01 November 2018

Amesbury Elementary School

Amesbury Massachusetts

AES SITE:
PRELIMINARY DESIGN
PROGRAM

EXISTING FIRST FLOOR PLAN



LEGEND

- CLASSROOM
- SPECIAL EDUCATION
- LIBRARY
- ART/MUSIC
- STAGE
- GYMNASIUM
- KITCHEN/CAFETERIA
- ADMINISTRATION
- BUILDING SERVICES
- CIRCULATION
- --- MODULARS

GROSS AREA

FIRST FLOOR	28,645 SF
MODULARS	8,395 SF
SECOND FLOOR	16,683 SF
TOTAL:	53,723 SF

N

0 16 32

1 NOVEMBER 2018

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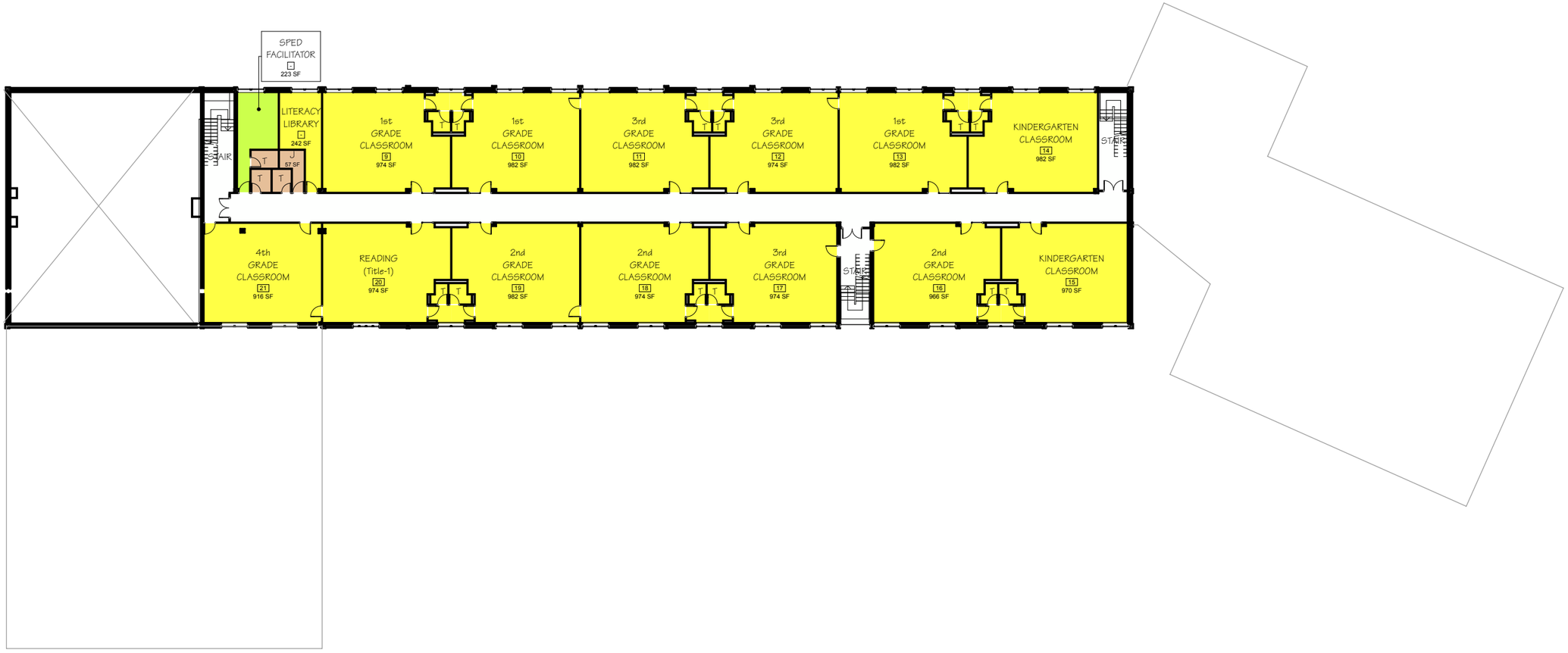
DINISCO DESIGN
architects + planners



Amesbury Elementary School

Amesbury Massachusetts

AES SITE:
PRELIMINARY DESIGN PROGRAM

EXISTING SECOND FLOOR PLAN

LEGEND

- CLASSROOM
- SPECIAL EDUCATION
- LIBRARY
- ART/MUSIC
- STAGE
- GYMNASIUM
- KITCHEN/CAFETERIA
- ADMINISTRATION
- BUILDING SERVICES
- CIRCULATION
- --- MODULARS

GROSS AREA

FIRST FLOOR	28,645 SF
MODULARS	8,395 SF
SECOND FLOOR	16,683 SF
TOTAL:	53,723 SF

N

0 16 32

1 NOVEMBER 2018

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DINISCO DESIGN
architects + planners

PART 4: EVALUATION OF EXISTING CONDITIONS

AMESBURY ELEMENTARY SCHOOL

Amesbury Elementary School

Property Data

Address:	20 S. Hampton Road Amesbury, MA 01913
Use:	Elementary School (Grades Pre-K-4)
Site Area:	17 Acres
Date Built:	1966
Renovations:	Unknown
Additions:	1995 - Modular Addition with Connector
Occupancy Group:	E - Educational
Construction Class:	Original Building - Type IIB Non-combustible/Unprotected
	Modular + Addition – Type III Combustible/Unprotected
Zoning District:	OSC – Open Space Conservancy

Building Data

No. Floors:	2 Stories
Gross Area	45,328 GSF (*Original Building*), 8,395 GSF (*Modular Classrooms + Addition)*
Foundation/Frame:	*Original 1966 Building Classroom Wing*: Concrete foundations with spread footings, unreinforced exterior masonry walls, slab on grade, reinforced concrete waffle floor and roof slabs.
	Original 1966 Building Cafeteria / Gym Wing: Concrete foundations with spread footings, unreinforced exterior masonry walls, slab on grade, reinforced concrete double tee roof slabs.
	Modulars + Addition: Concrete foundations piers, exterior load bearing wood stud walls, wood joist and plywood floor and roofs.
Exterior Walls:	*Original 1966 Building*: Brick with concrete masonry unit backup.
	Modulars + Addition: Wood stud walls with plywood sheathing and vertical board and batten siding.
Roofing:	Ballasted and Adhered EPDM.

Window Systems:	Aluminum fixed and operable with single pane glazing.
Exterior Doors:	Aluminum with single pane glass lites in aluminum frames.
Interior Doors:	Flush solid core wood, stained finish, in hollow metal door frames. Painted hollow metal glazed doors at corridors and stairs.
Interior Walls	Mainly painted masonry units, occasionally painted plywood and painted GWB.
Floors:	Vinyl composition tile (VCT) typical including Gymnasium. A few classrooms and offices have carpet. Quarry tile in Kitchen, concrete in mechanical area, ceramic tile in toilets.
Ceilings:	Primarily suspended lay-in acoustical tile with concealed spine ceiling system in the main lobby and administration area. Exposed structure in Cafeteria, Stage, Gym, and Mechanical areas.
Sprinklers:	None.
HVAC:	*Original 1966 Building*: Hot water system – two dual fuel boilers (currently operating with gas); unit ventilators with hot water fin tube radiation. *Modulars + Addition*: Dedicated gas/electric packaged rooftop units.
Sewerage:	City Sewer.
Electric:	120/208V 3 phase 600 AMP.

INTRODUCTION

The purpose of this section is to report the physical conditions of the existing building in order to identify the maintenance needs, capacity of existing systems and the potential for expansion. Information has been obtained from historic drawings, previous reports, on-site inspection, and interviews with maintenance and custodial staff. No test openings or intrusive investigations have been performed to date.

GENERAL

The Amesbury Elementary School is one of (2) elementary schools in the Amesbury Public School system. It is located on the southernly edge of a 17-acre site and abuts South Hampton Road to the east. The west edge of the site is steeply sloping forested hill. The school has not undergone any substantial renovations since original construction in 1966 and most systems remain well past their expected lifespan.

LEGAL TITLE TO THE PROPERTY / DETERMINATION OF DEVELOPMENT & RESTRICTIONS

The City of Amesbury has legal title to the property and the property is available for development. According to the deed (attached to this section), there are no developmental restrictions for the development of this site.

HISTORIC REGISTRATIONS / PRESERVATION

The Amesbury Elementary School is not listed on any historic registry. In addition, the building is less than 75 years old, so it does not trigger an automatic review. If this site is ultimately chosen, additional filings with the Massachusetts Historic Commission will take place.

SITE

The existing school site is located on South Hampton Road, 0.7 miles north of the center of the City in a residential neighborhood. On the west of the school is a steep slope, with heavily wooded vegetation. There is approximately 150' of grade change. To the north is a ball field and City owned undeveloped land. There is a wetland to the north and the buffers extend onto the property.

Primary Issues

The main entry is designated as the accessible entry. The two accessible parking spaces are directed to this entry. At this entry, there is not a code compliant curb cut. The pedestrian sidewalks are made up of a thin coat of bituminous concrete pavement over concrete pavement. This bituminous concrete is in poor condition.

Accessible ramps do not exist in some areas where they are required; and where they do exist, ramps at the site do not comply with current ADA and MAAB standards.

There are approximately 90 parking spaces, with only (2) being accessible. By code, there should be (4), with one of those being van accessible. The accessible spaces are located in the closest spaces to the main entry.

Only one of the two accessible spaces are signed. Where the lone sign exists, it does not specify that it is van accessible.

There are not enough on-site parking spaces for the school. Teachers and visitors park in striped areas and are often forced to park in non-striped spaces and along the edge of the drive once the lot is filled.

Site Access - Vehicular

The vehicular circulation is a one-way loop from South Hampton Road. The loop serves as both the Bus and Parent drop off. The northern edge of the loop is broken and falling apart. Parking occurs along the edge, where there is an 8' - 10' wide area of gravel/dirt instead of lawn.

From this loop, the school parking lot is accessed. There are 86 total striped parking spaces on the site with (2) of them being designated as accessible parking spaces. MAAB and ADA require (4) accessible spaces with (1) of those spaces being designated as a van accessible space. There are also 5-6 non-striped spaces.

The accessible parking spaces are located at the front of the building, the closest spaces to the main entrance. The accessible parking spaces appear to comply with slope, dimensional, and aisle requirements of the current ADA and MAAB code. The number of spaces and signage do not meet the code requirements.

Vehicular pavement and pedestrian pavement in the service / loading dock area is in poor condition.

There are no detectible warning tiles at any of the curb ramps and vehicular crossings.

Where curbing exists, it is in poor condition. The limited amount of bituminous curbing (located primarily around the planted island at the main entry) is in poor condition, being broken and scraped and damaged from snowplows. The concrete curb near the first playground is also in poor condition, being broken and chipped.

Site Access - Pedestrian

A public sidewalk from the south connects the school to the surrounding neighborhood. The sidewalk continues north until the bus/parent loop entryway. The sidewalk at the edge of the school property is in poor condition, the remainder of the sidewalk is typically in fair condition. The sidewalk is narrow, less than 48" wide.

There are no crosswalks at either end of the entry loop. In general, crosswalks, and parking striping are faded, and are multi colored.

Accessible ramps do not exist in some areas where they are required and accessible ramps at the site are not to the current ADA and MAAB code. An accessible drop off zone also does not exist.

There is (1) pedestrian ramp on the property that provides access to the building, this ramp is not ADA and MAAB code compliant and not located at the main entry.

The sidewalk along the bus/parent drop off loop is bituminous concrete. The bituminous was placed on top of an existing concrete sidewalk. Both are in poor condition.

A sidewalk extends behind and between the building and also the slope uphill. Pavement is in fair condition.

Play Areas

There are three play areas located on the school property.

Two playgrounds with play equipment (timber and plastic construction) are located to the south of the school, separated from the building by the service / loading dock. Surface of the playground is wood fiber mulch, with timber edging (railroad ties). One of the two playgrounds is fenced in with chain link fencing (CLF). The other playground does not have any fencing, and the timber edging is tipping over.

The third playground is located to the north, near the ball field. This is the "fitness playground". Similar timber edging and wood fiber mulch surface.

All of the play equipment should be evaluated to determine if the equipment meets current standards and if the play equipment can be reused or relocated to another location in the City.

The ball field is located to the north. It includes two benches, a plastic drum trash receptacle, and a galvanized CLF backstop. The backstop is in fair condition. No other fencing exists in the ball field.

Benches constructed of three timber posts, and a single board for a bench are in poor condition.

Landscape

The trees on site appear to be in good health. The bulk of the trees occur at the street. These street trees are roughly 8'-10' away from the utility poles and should not pose a major issue to the lines in the immediate future.

Islands and lawn strips are in poor condition. In a number of cases, they are worn out or are cow paths.

Miscellaneous

Two dumpsters are located in a service area between two play areas in full view, with wood screen fencing on three sides.

Two storage sheds are also located between two play areas. Sheds can be relocated and painted.

A transformer is located adjacent to one of the sheds. Only one protective bollard exists. No screening of the transformer exists.

Bike racks are located on the southern side of the building, adjacent to one of the three playgrounds. Four bike racks of one style exist, which are anchored into cored holes in the pavement. The racks are double sided but are located along a CLF making them one sided. Each rack can hold 8 bikes each, 24 total.

There are three granite benches at the service drive which can be salvaged and re-used. These are the only non-ball field related benches on site.

The school sign at the street is in good condition.

All chain link fencing on the property is galvanized and in fair condition. There are some rails and posts which are out of alignment or bent. A few footings are exposed.

Site lighting is only at the street. Utility poles have cobra heads on the street side, and wall pack style lights towards the parking lot. There are a few wall packs on the building providing additional lighting.

Special Site Features

Infield of the ball field is grass. Entire field was observed to be wet with some standing water in a number of locations.

The bulk of the shrub planting occurs at the front of the building and are 75% evergreen. The evergreens are pruned into gumball shapes. There appears to be no rhyme or reason for their placement.

The flagpole is not accessible. It is located in an island mainly of lawn and a few plants and trees. There are no curb ramps to access the flagpole.

There is a fenced off area of raised garden beds near the portable classrooms. Multiple styles of fencing are used at the perimeter. Styles include split-rail, metal sign posts, aluminum tubing gate, with galvanized mesh wire.

GEOTECHNICAL INVESTIGATIONS

PRELIMINARY GEOTECHNICAL DATA REVIEW

GZA GeoEnvironmental, Inc. (GZA) performed a geotechnical exploration of the existing Amesbury Elementary School site for indications of significant geotechnical issues that might affect site selection, design and construction of a new school.

GZA's Preliminary Geotechnical Engineering Report is attached to this section.

SOILS

The NRCS Web Soil Survey indicates near-surface soils (within about 70 inches from ground surface) at the easterly developed portion of the site are in an area of lacustrine deposits (old lake bottom and outwash plains) that are poorly drained, fine silty and clayey soils with a seasonal high water table at or near the surface.

The wooded hillside in the western portion of the site is a glacial till soil that is moderately well drained sandy loam soil with a seasonal high groundwater of approximately 42 inches and moderate to moderately rapid permeability.

The following soil types are mapped by NRCS on the site:

- Udorthents Smoothed Series: This is located over the entire developed easterly portion of the site. The manmade features have changed the natural soil conditions due to excavation, grading and filling. Based on the types of soils in the adjacent areas with less disturbance and the conditions observed during our site visit in late February 2018, the underlying soils are likely to be Maybid Series soils in the northern portion of the site in the play fields and along the very eastern portion along the road frontage. The area at the building and parking lot are likely to be Sutton or Scantic Series that were partially excavated and filled to level the area for the building and parking areas.

  The Maybid soils are silty and clayey soils that are poorly drained, fine silty and clayey soils with a seasonal high water table at or near the surface. The Scantic Series soils are relatively level, poorly drained soils. The subsoil is a silt loam and the underlying substratum is a grey, mottled silty clay loam with a seasonal high water table within 12 inches of the surface. Both the Maybid and Scantic soils have slow to very slow permeability.

  The Sutton Series are likely along the base of the slope to the rear of the building. These were likely cut to level the area for the rear portion of the building and rear yard area. Under natural conditions, these soils have a seasonal high water table at approximately 42 inches, but are likely shallower now due to the excavation into the hillside that took place for the existing school development. These soils are deep and relatively permeable sandy loam. See the description of the Sutton soils below.

- Sutton Series: Located in the lower hillside in the wooded western portion of the site. They are moderately well drained glacial till soils on uplands consisting of sandy loams to loamy sands with moderate to moderately rapid permeability. Seasonal high groundwater levels are typically in the substratum at a depth of about 42 inches below the surface.

During our field visit, we noted that a drainage ditch had been constructed on the hillside behind the school that drains northerly and into the wetlands off the north portion of the site. This drain was part of the construction of the school construction project plans in 1966. This was likely done as an attempt to drain off surface and groundwater to relieve some of the wetness at the front portion of the site. Based on the nature of the soils, this would be successful in reducing surface runoff from the hillside, but would not likely relieve the groundwater conditions.

Relative to Stormwater Management, the Maybid and Scantic soils in the developed portion of the site have high runoff potential and are not suitable for groundwater recharge facilities. It is likely that a project to re-develop or add to the site development would not be able to meet the Mass. Stormwater Management standards for groundwater recharge, however, due to the poor soils, meeting that standard would generally not be required.

For any building, basements would not be recommended and proper sub-drainage would need to be incorporated into the design. It is recommended that pavement systems for parking lots, driveways and paved play surfaces as well as play fields, be elevated above existing grades and proper sub-drainage be included in the design.

WETLANDS AND FLOODPLAINS

Wetland Resource Areas under the Massachusetts Wetlands Protection Act, and the Amesbury Wetlands Protection Ordinance are present at the subject site. There is a Bordering Vegetated Wetland (wooded swamp) and intermittent stream beginning from just west of the existing modular building addition and flowing north along the western border of the play field to the northern property line. It then flows northeast along an intermittent stream along the property boundary to a 24 inch drain to South Hampton Road.

Relative to Land Subject to Flooding, the current FEMA Flood Hazard Map information for the site does not show the site as being within a designated Flood Hazard Area.

The jurisdictional boundaries and buffer zones present on the site are an important consideration in planning any development at this site. The Amesbury Wetlands Ordinance Regulations have restrictions for alterations within the 100 foot Buffer Zone to Wetland Resource Areas (WRAs). With some exceptions on a case by case basis, they permit no landscaping within 25 feet of a WRA and no building or structures within 50 feet of a WRA. Depending on the environmental value of the WRA, the Conservation Commission may require greater setbacks.

The WRAs on the site are not tributary to any surface water supplies, so are not considered “Critical Areas” under the Mass. Stormwater Regulations.

ZONE II AQUIFERS AND REGULATED WATER SUPPLIES

The Zone II is an area of land determined to contribute water to a public water supply well(s) under the most severe pumping and recharge conditions that can be anticipated. These areas have been mapped by the State and are classified as “Critical Areas” under various State and local regulations such as the Mass. Wetlands Protection Act Regulations, Water Supply Protection Regulations, Stormwater Management Regulations, and municipal Aquifer Protection Bylaws and Ordinances.

To determine whether the project was in a Zone II, we reviewed the Zone II boundaries from the Mass. GIS Database. According to the mapping, the subject site is not within any regulated “Wellhead Protection Area Zone II” under the state and local laws.

The State also regulates tributaries to public surface water supplies. These are known as a “Regulated Zone A”. The on-site stream is not tributary to any Surface Water Supply and not subject to any measures relative to Regulated Zone A requirements.

WILDLIFE HABITAT

Rare species and their habitats are protected by the Massachusetts Endangered Species Act (MESA) and the Massachusetts Wetlands Protection Act. A project which alters Priority or Estimated Habitat must be reviewed by the Natural Heritage and Endangered Species Program (NHESP) for compliance with MESA.

Priority and estimated habitats along with certified and potential vernal pools have been delineated and published by NHESP in the current 2017 Edition of the Massachusetts Natural Heritage Atlas. The NHESP data layer is available for review on MASS GIS. The Natural Heritage data layers are used to screen projects and activities that may impact state listed rare species and their habitat.

Based on a review of the Massachusetts GIS online mapping Natural Heritage Data Layer, the site does not exist within any area designated as Estimated Habitat or Priority Habitat of Rare Wetlands Wildlife. There are also no certified vernal pools or known potential vernal pools on this site or the adjacent sites to the subject property.

STORMWATER MANAGEMENT

The storm drain system for the existing school site is connected into a 30-inch City drain culvert under South Hampton Road. This drain also receives flows from an intermittent stream from the north on the site and portions of the adjacent streets. The 30-inch culvert discharges to an intermittent stream on the east side of South Hampton Road.

The site drain system consists of standard catch basin and manhole designs that connect to a collector drain pipe at the front of the site. Overland flow from abutting properties enters the drain system at 4 locations. Three locations are at headwalls and one is at a catch basin south of the school building. There are presently no stormwater Best Management Practices (BMPs) that would meet current Mass. Stormwater Management Regulations for treatment or recharge.

The building roof drains and foundation sub-drains connect into the site drain system

The school site sits on a tract of land sloping west to east toward South Hampton Road. The soils in the site's western consist of compact glacial till that are well drained. The soils in the eastern developed portion of the site are poorly drained fine silty and clayey soils with shallow groundwater. The soils in this portion of the site are not suitable for recharge BMPs and the high shallow groundwater will need to be carefully considered in any further development project.

WATER SUPPLY SYSTEM

According to the information from the original 1966 School Plans, the site is served by a 6 inch water main in South Hampton Road. The domestic water service is a 2 inch line and the fire suppression service is a 6 inch line. Both services enter the north side of the east wing and a Siamese fire connection is located on the side of the building at that location. Further investigation into whether or not the fire suppression service was installed will be required if the Amesbury Elementary School site is the preferred site.b

There are no fire hydrants on the site and the nearest hydrant is approximately 80 feet south of the site on South Hampton Road.

SANITARY SEWER

The existing school building has a single 6-inch building sewer that connects to the 6 inch City sewer in South Hampton Road. The sewer exits the building at the end of the east wing and the plans for the building show the building sewer to the City sewer is a transite (asbestos cement) pipe. The City sewer line is a vitrified clay (VC) pipe.

GAS UTILITY

The existing building is served by a gas service from South Hampton Road. Originally gas fired the water heaters and the heating boilers were oil fired. The boilers were later converted to gas.

TRAFFIC STUDY

A traffic study has been performed and the report is attached to this section.

STRUCTURAL REVIEW

INTRODUCTION

Foley Buhl Roberts & Associates, Inc. (FBRA) is collaborating with *DiNisco Design, Inc. (DDI)* in the review and evaluation of structural issues/conditions at the Amesbury Elementary School in Amesbury, Massachusetts. The purpose of this report is to identify and describe the structural systems of the facility and to comment on the structural issues/conditions observed. General comments relating to potential renovations, alterations and additions to the building (governed by the Existing Building Code of Massachusetts (9th Edition)) are presented as well.

Structural conditions at the Amesbury Elementary School were reviewed at the site on April 11, 2018.

The following documents were reviewed in the preparation of this Existing Conditions Structural Report:

> *Amesbury Elementary School:* Architectural Drawings A1 to A17, prepared by Homer P. Young, AIA, Haverhill, Massachusetts, dated July 1, 1966.
>
> *Amesbury Elementary School:* Structural Drawings S1 to S11, prepared by Hooper & Sirkis Structural Engineers, Quincy, Massachusetts, dated July 1, 1966.
>
> *Pope Building Systems:* Architectural Drawings A1 to A5 & Structural Drawings S1 to S2 (no foundation information), prepared by Miller Structures, Inc., Bennington, Vermont, dated January 15, 1995.

No exploratory demolition or structural materials testing was conducted in conjunction with this study**.** Soil borings were taken for the 1966 construction; however, logs of those borings were not available.

GENERAL DESCRIPTION

Amesbury Elementary School is located at 20 South Hampton Road in Amesbury, Massachusetts. The original school (1966) consists of a two-story “Part A” (Classroom Wing) to the north and a one and two-story “Part B” to the south, separated by an expansion joint. Floor and roof construction in Part A and the one-story portion of Part B (excluding the Cafeteria) consists of cast-in-place, two-way reinforced concrete waffle slabs, typically supported by reinforced concrete beams and columns. Part B includes a two-story high Play Room and a one-story high Cafeteria, each with a roof comprised of clear-spanning, precast/pre-stressed concrete double-tees. The Kitchen and various additional support spaces are also located in Part B.

Amesbury Elementary School was constructed on a steeply sloping site, with original grades varying from Elevation 180.0 ± feet to the south and west to 159.0 ± feet around the building perimeter. Grades generally slope away from the structure, with a swale being formed along the western edge to carry run-off away from the building. The First Floor was constructed at Elevation 160.00 feet.

A one-story, wood framed modular classroom building was added in 1995, located to the north of Part A and connected to the original building by a wood framed link.

The total, gross floor area of the original building and the modular addition is approximately 53,723 square feet.

STRUCTURAL SYSTEMS DESCRIPTION - 1966 ORIGINAL BUILDING

General Description: Flat roof construction and Second Floor construction in Part A of the original (1966) building consists of cast-in-place, two-way reinforced concrete waffle slabs, supported by reinforced concrete beams and columns. Roofs of the one and two- story public spaces in Part B (Cafeteria and Gymnasium) are framed with precast/prestressed double tee sections. First floor construction is a concrete slab on grade. Foundations are conventional spread footings. Precast/prestressed concrete and steel framed canopies were constructed at the main and secondary entrances on the east (front) side of the building. The school was designed in accordance with the Massachusetts *Building Regulations for Schoolhouses* (first enacted in 1955).

Structural Materials: Structural material strengths are noted on the original Structural Drawings (Drawing S2). The minimum 28 Day concrete compressive strength for footings, foundation walls and pilasters is 3,000 psi. The minimum 28 day concrete compressive strength for all other structural concrete framing is 3,750 psi. Steel reinforcing is deformed billet bars conforming to ASTM A437, with a minimum yield strength of 60,000 psi. Concrete and steel strengths for prestressed concrete tees are not noted (determined by the precast designer as required).

Foundations: Subsurface soils conditions are unknown; however, spread footings were proportioned on the basis of a 3.0 tons per square foot (TSF) maximum allowable bearing pressure on undisturbed natural soil. Representative structural calculations generally confirm these design allowable bearing pressures.

Structural Bays/Spans: The structural bay size varies throughout out the building. Columns in the Classroom Wing (Part A) are arranged in a double-loaded corridor fashion; typical classroom bays are approximately 700 feet in area. Typical spans in the building range from 17 to 29 feet (53'-9" at the Play Room and Cafeteria).

Story Heights: Story heights are as follows:

First Floor to bottom of Waffle Slab Ribs:	9'-4½"
Second Floor to bottom of Waffle Slab Ribs:	9'-4½"

Design Live Loads: Design live loads for framed areas of the building are noted on the original Structural Drawings (Drawing S2) as follows:

Roofs (No apparent provisions for snow drifting):	40 psf
Stairs, Corridors:	100 psf
Classrooms, Toilets, etc.:	50 psf

The building structure appears to have performed satisfactorily over the years; there are no indications of structural overstress or failure. A comprehensive investigation and evaluation of the floor and roof structural capacity is beyond the scope of this report; however, representative calculations suggest that the structure is generally capable of supporting the noted design loads.

Expansion Joints: Parts A and B are separated by a 1" expansion joint. It is unclear whether an expansion joint exists between Part A and the Modular Addition.

Roof Construction: Typical roof construction consists of a two-way, reinforced concrete waffle-slab (14" wide by 12" deep domes, and 5" wide ribs), with an integral concrete topping slab (2" to 4" thick, creating a pitch to drains; 14" to 16" total slab thickness). The slab is supported by integral, wide/flat reinforced concrete interior and perimeter beams (beam depth matches the slab depth), which span to reinforced concrete columns.

Typical columns vary in size, ranging from 12"x14", 14"x14", and up to 16"x16", typically spaced at 24 to 29 feet on centers in Part A and at 14 to 29 feet on centers in Part B.

Roof construction over the Play Room space in Part B consists of 8'-0" wide by 18" deep precast/prestressed concrete double tees, clear spanning (53'-9") to 12" thick concrete masonry (CMU) bearing walls. The walls appear to be unreinforced; a reinforced concrete bond beam was placed at the top of the walls, providing a bearing surface for the precast tees. Roof construction over the Cafeteria is similar, with 5'-0" wide by 18" deep precast/prestressed concrete double tees, clear spanning (53'-9") to reinforced concrete beams and columns. Concrete fill was provided on each roof to create a positive pitch to drains.

Second Floor Construction (Part A): Typical Second Floor construction consists of a two-way, reinforced concrete waffle-slab (14" wide by 12" deep domes, and 5" wide ribs), with an integral concrete topping slab (3½" thick; 15½" total slab thickness). The slab is supported by integral, wide/flat reinforced concrete interior and perimeter beams (beam depth matches the slab depth), which span to reinforced concrete columns. Typical columns vary in size, ranging from 12"x14", 14"x14", and up to 16"x16", typically spaced at 24 to 29 feet on centers in Part A and at 14 to 29 feet on centers in Part B.

First Floor Construction: Typical first floor construction consists of a 5" thick concrete slab on grade, reinforced with welded wire fabric. The slab is depressed 1½" in the Kitchen to receive mud-set tile and 9½" at refrigeration equipment. The boiler room slab is thickened to 6", and is reinforced with welded wire fabric.

Wall Construction: Typical exterior wall construction typically consists of a 4"brick veneer (with a 1: cavity) with an 8" thick unreinforced concrete block (CMU) backup wall (12" thick at the Play Room). The veneer is tied to the backup wall with non-disclosed reinforcing at every other course. Exterior walls are generally non-load bearing (except at the Play Room).

Interior walls are typically unreinforced brick and block construction and are non-load bearing.

Stair Construction: Stairs in Parts A and B are cast-in-place reinforced concrete construction.

Foundations are typically continuous strip footings below 14" thick, reinforced concrete perimeter foundation walls which support load bearing masonry walls (e.g. the Play Room). Elsewhere, non-load bearing exterior walls are supported on 14" wide, frost-cut grade beams which span to individual spread footings at perimeter column locations.

Interior columns are supported on individual spread footings. As noted above, footings have been proportioned on the basis of a 3 TSF allowable bearing capacity on undisturbed natural soils.

Fire Resistance*:* All (non-combustible) cast-in-place and precast concrete framing is unprotected and has a limited (less than one hour) fire resistance rating (governed by the minimum slab thickness).

Lateral Load Resistance: The 1966 original structure was designed and constructed prior to the introduction of seismic codes. As the building is a one and two-story, low-rise structure, wind loads may not have been considered in the structural design of the building. Accordingly, there is no clearly defined lateral force resisting system. The perimeter and interior reinforced concrete frames, in conjunction with the concrete waffle slab diaphragms, provide a degree of lateral force resistance. Unreinforced masonry walls provide lateral force resistance (by default) as well. The building does not meet current seismic code requirements. Lateral force resistance issues would need to be addressed in conjunction with a future, major renovation of the school.

STRUCTURAL SYSTEMS DESCRIPTION - 1995 MODULAR BUILDING

The 1995 modular classroom addition (six (6) classrooms) is a one-story, wood and steel framed building, with vertical board and batten siding, supported a grid of foundation piers. The building consists of six (6), 66 feet long by 13'-9" wide prefabricated modules, which were linked together at the site.

Typical (low pitch) roof construction consists of plywood sheathing on 2x10 joists, spaced at 16" o.c., supported by wood stud bearing walls and engineered lumber (LVL) beams.

Floor construction consists of a plywood subfloor on 2x6 wood joists (No. 2 SPF) spaced at 16" o.c., spanning 4+/- feet to 10" deep steel junior beams. The junior beams span the width of the module (13'-0") and are supported by 12" deep I-beams. I-beams span 6 to 10 feet and rest on the foundation piers.

Exterior wall construction consists of plywood sheathing on 2x4 @ 16" o.c. wall studs. Design Live Loads are noted on the Drawings as follows:

Roof:	40 psf
Floors:	50 psf
Corridors:	100 psf
Wind:	21 psf

Wood framed roof construction and the supporting wood stud bearing walls have been protected by drywall to achieve a one (1) hour fire resistance rating.

STRUCTURAL CONDITION/COMMENTS

Structural Conditions at the Amesbury Elementary School were reviewed (to the extent possible) on April 11, 2018. Generally speaking, floor and roof construction appears to be performing satisfactorily; there is no evidence of structural distress that would indicate significantly overstressed, deteriorated or failed structural members.

Foundations appear to be performing adequately; there are no signs of significant, total or differential settlements.

Where visible (limited areas), floor and roof construction of the 1966 addition appears to have been constructed in accordance with the original Structural Drawings.

Structural/structurally related conditions observed during the April 11, 2018 site visit are noted below:

Refer to the Appendix at the end of this report for all referenced photos.

1. Building Exterior:
    - Repointing of approximately 10% of exterior brick veneer is required.
    - Loose lintels over unit ventilator openings and over windows/doors have rusted in some locations - repair/replacement required (See Photo 1).
    - The parge coat on exterior concrete (particularly at ground level) has spalled in a number of locations. Cosmetic repair required (See Photo 2).
    - There is noticeable cracking at the foundation and brick veneer at the northeast corner of Part B, most likely attributed to the lack of control joints around the building (See Photo 3). It should be noted, however, that this is the longest, uninterrupted expanse of brick veneer at the building. All other areas of brick veneer are regularly broken up by window units, which effectively serve as control joints.
    - Exterior caulking has deteriorated and failed at essentially all locations. Re-caulking is required. (See Photo 4).
    - At the southeast corner of the loading dock area, it appears that a large truck had backed-up into the brick veneer at some point in the past. The affected brick veneer has sheared out of plane into the block wall back-up behind (See Photos 5 and 6). Repair required.
    - Deterioration of concrete has occurred along the southern face of the building, where the one-story roof transitions to the two-story roof (Cafeteria/Play Room interface; Part B). Exposed rebar ties are visible. Repair is required (See Photo 7).
    - There are limited weep holes at the base of the brick veneer around the perimeter of the building.
    - All windows appear to be single pane, with aluminum casings (original).
    - Moss growth has occurred at the foundation sill in localized areas.

- A canopy structure constructed of prestressed concrete Tee sections supported on bent Tube Steel Frames protects the main entrance area to the school. There is a considerable amount of chipped/peeling paint, on both the Tee sections and bent frames. Localized oxidation has occurred in a number of areas where protective coatings have failed (See Photo 8). Additionally, two of the concrete Tee sections have noticeable longitudinal cracking along the bottom of the web, where sections of concrete have completely fallen out and post tensioning strands are exposed (See Photo 9). Areas affected by this appear to be wet and weeping water throughout the depth of the cracks.

2. Roofs: The main roof of the building consisted of a stone-ballasted roof membrane system (See Photo 10). It was noted by a school official that the current roof was installed (date unknown) directly over the original roofing material. While the age and condition of the roof is unknown; prior leaks are evident. FBRA recommends that these roofs be further evaluated to determine their condition.

3. Live Loads: The live load capacity for the structured classroom floors and roof are as noted above. Floor and roof construction appear to be performing satisfactorily under the current use.

4. Snow Loads: The roof of the 1966 construction was designed for a 40 psf roof load; however, it does not appear that drifting snow was accounted for in the original design. The current code would require a typical flat roof design snow load of 38.5 psf for a school building in Amesbury, plus drifting snow. Locations where snow drift loading could be a concern are those areas adjacent to the east side of the Play Room area and to the north of Part A, where the 1966 construction abuts the modular building. FBRA recommends that these conditions be evaluated in conjunction with a potential, future renovation of the school (such an evaluation is beyond the scope of this report). In the interim, these conditions should be monitored during periods of heavy snow.

5. Ponding: A concrete parapet was constructed around the high and low roofs, creating a potential (limited) ponding issue. While no ponding related structural issues were observed, further evaluation of ponding issues should be evaluated in conjunction with a potential, future renovation of the school (such an evaluation is beyond the scope of this report. In the interim, the internal roof drains should be periodically inspected and maintained to ensure that they are clear and functioning properly.

6. Masonry Walls: Interior CMU partitions and perimeter CMU backup walls (typically non-load bearing) are generally in satisfactory condition. The anchorage/bracing of interior masonry walls as well as the height-to-thickness ratios will also need to be evaluated (per code) if the building is renovated in the future.

7. Vertical cracking in the CMU backup wall was observed in two locations along the south wall of the Play Room. These cracks are likely due to the omission of control joints (See Photo 11). It was noted that vertical control joints are present along the northern wall of the Play Room, which is relatively crack free.

RENOVATIONS AND ADDITIONS - BUILDING CODE REQUIREMENTS

General comments relating to potential renovations, alterations and additions to the Amesbury Elementary School are presented in this section. Renovations, alterations, repairs and additions to existing buildings in Massachusetts are governed by the provisions of the Massachusetts State Building Code (MSBC; 780 CMR – 9th Edition) and the Existing Building Code of Massachusetts (EBCM; 780 CMR – 9th Edition, Chapter 34.00). These documents are based on amended versions of the 2015 *International Building Code (IBC)* and the 2015 *International Existing Building Code (IEBC)*, respectively.

Section 104.2.2.1 of the EBCM requires that the existing building be investigated and evaluated in sufficient detail as to ascertain the effects of the proposed work on the structural systems (both gravity load carrying elements and lateral force (wind and seismic) resisting elements).

The EBCM defines three (3) compliance methods for the repair, alteration, change of occupancy, addition or relocation of an existing building. The method of compliance is chosen by the Design Team (based on the project scope and cost considerations) and cannot be combined with other methods.

The *Prescriptive Compliance Method* (IEBC Chapter 4) prescribes specific minimum requirements for construction related to additions, alterations, repairs, fire escapes, glass replacement, change of occupancy, historic buildings, moved buildings and accessibility. If the impact of the proposed alterations and additions to structural elements carrying gravity loads and lateral loads is minimal (less than 5% and 10% respectively), structural/seismic reinforcing of an existing building are not required. Provided that not more than 50% of the spaces in the building are reconfigured, seismic hazards such as bracing the tops of interior masonry walls and partitions, anchorage of floor and roof diaphragms to the exterior walls, bracing of parapets and chimneys, etc. would not be required by code, but could be addressed on a voluntary basis. If the area of reconfigured spaces exceeds 50% of the gross floor area, these seismic hazards must be addressed by code.

The more widely chosen (and appropriate for this project) *Work Area Compliance Method* (IEBC Chapters 5 through 13) is based on a proportional approach to compliance, where upgrades to an existing building are triggered by the type and extent of work. The Work Area Compliance Method includes requirements for three levels of alterations, in addition to requirements for repairs, changes in occupancy, additions, historic buildings or moved buildings. A complete seismic evaluation of the existing building is required under the following conditions: Level 2 alterations where the demand (mass/seismic force) to capacity (lateral force resistance) ratio of lateral load resisting elements has been increased by more than 10%, all Level 3 alterations, a change in occupancy to a higher category (not applicable here) and where structurally attached additions (vertical or horizontal) are planned (any addition will be structurally separated). Provided that not more than 50% of the spaces in the building are reconfigured, renovations would be classified as *Level 2*. Assuming that modifications to the existing masonry walls providing lateral force resistance and concrete frames will not be significant (i.e. less than 10%), seismic upgrades or seismic strengthening of the building would not be required by code. However, seismic hazards such as bracing the tops of interior masonry walls and partitions, anchorage of floor and roof diaphragms to the exterior masonry walls, bracing of chimneys, etc. could be addressed on a voluntary basis. In a *Level 3* alteration (more than 50% of the building reconfigured), these seismic hazards must be addressed by code.

The less frequently chosen *Performance Compliance Method* (IEBC Chapter14) provides for evaluating a building based on fire safety, means of egress and general safety (19 parameters total). This method allows for the evaluation of the existing building to demonstrate that proposed alterations, while not meeting new construction requirements, will maintain existing conditions to at their current levels (at a minimum) or improve conditions, as required. A structural investigation and analysis of the existing building is required to determine the adequacy of the structural systems for the proposed alteration, addition or change of occupancy. A report of the investigation and evaluation, along with proposed compliance alternatives must be submitted to the code official for approval.

Additions - General Comments - EBCM

The design and construction of any addition to the Amesbury Elementary School would be conducted in accordance with the Code for new construction. New additions should be structurally separated from the existing, adjacent construction by an expansion (seismic) joint to avoid an increase in gravity loads or lateral loads to existing structural elements.

Renovations/Alterations - General Comments - EBCM

Where proposed alterations to existing structural elements carrying gravity loads result in a stress increase of over 5%, the affected element will need to be reinforced or replaced (if necessary) to comply with the Code for new construction.

Proposed alterations to existing structural elements that are resisting lateral loads (i.e. masonry bearing walls or full height, non-bearing masonry walls, concrete frame construction and masonry walls that extend floor to ceiling and are built between columns, which result in an increase in the lateral force demand (seismic load) to capacity (seismic resistance) ratio of over 10% should be avoided, if possible. Essentially, this means that removal of masonry walls resisting lateral forces (or creating large openings in these walls) and/or removing sections of the existing slab, beam and column framing should be avoided; otherwise seismic strengthening of the building as well as additional seismic upgrades may be triggered. For the purposes of evaluating the demand to capacity ratio, each section of the Amesbury Elementary School that is separated from others by an expansion joint (e.g. Parts A and B) can be considered to be structurally separate buildings.

APPENDIX - PHOTOGRAPHS:



Photo 1. Rust jacking at loose lintel above ventilator opening



Photo 2. Parge coat at foundation sill requiring repair



Photo 3. Vertical cracking at building corner

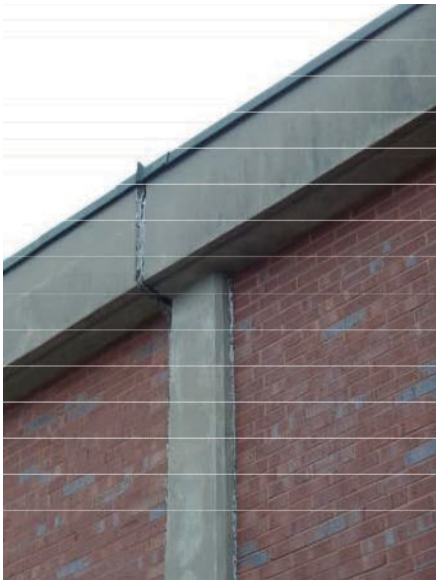


Photo 4. Deteriorated exterior caulking



Photo 5. Damaged foundation and brick at loading dock



Photo 6. Brick veneer damaged and out of plane at loading dock



Photo 7. Damaged concrete column with exposed reinforcing



Photo 8. Localized oxidation and chipped protective coating at canopy



Photo 9. Damaged prestressed concrete tee sections at canopy



Photo 10. Stone-Ballasted Roofing System



Photo 11. Vertical cracking at southern Play Room interior masonry

ARCHITECTURAL SYSTEMS

1. Exterior Walls

   Exterior walls of the 1966 classroom consist of 4" brick veneer over 8" unreinforced concrete masonry units with a 1" cavity. The exterior walls of the Gymnasium / Cafeteria consist of 4" brick veneer over 12" unreinforced concrete masonry units with no cavity. Several areas of cracking were observed. The condition of the exterior walls, in general, is in fair to poor condition requiring repointing and repair.

2. Roofing

   The 1966 building features a shallow pitched sloping structural roof deck with minimal insulation. Although the original roof was tar and gravel, the roof appears to have been replaced (unknown date) with what appears to be a white EPDM roof with gravel ballast. Numerous leaks and areas of ponding have occurred.

   The addition and modulars feature EPDM roofing. The condition is unknown as the roof was not accessible.

3. Windows

   The original aluminum single pane operable and fixed windows remain in the 1966 buildings. These windows are well beyond their useful life and offer no thermal advantages.

   The windows in the modular remain the original sliding aluminum windows.

4. Exterior Doors

   Exterior entry doors are the original aluminum doors in aluminum frames. The doors weather stripping may have been replaced. Doors and sidelights have single glazed vision panels. Most egress doors are equipped with accessible hardware. The doors are not energy efficient and are in fair condition.

   Service doors are the original painted non-thermally broken steel frames and doors. The doors are not energy efficient and are in fair condition.

5. Interior Walls

   Interior partitions (classroom demising walls, corridors, etc.) are typically unreinforced concrete block construction (in various widths), painted. The existing interior walls are in fair condition.

   The main entry lobby features brick veneer along the perimeter. Cracking is observed on the corners of the lobby area. The administrative corridor walls are primarily aluminum storefront with wire glass.

   In the Gymnasium walls are painted and natural CMU. At the east and west walls there is a translucent panel clearstory.

   In the Cafeteria the stage is wood construction and walls are painted CMU.

6. Interior Doors

The interior doors are solid core flush wood; some with vision panels, in hollow metal frames, and all are in generally fair condition. Most doors are stained a dark brown and all appear dated. None of locksets have been replaced with a lever or trim to meet MAAB. While classroom door leafs are typically adequately sized for MAAB/ADA compliance, most toilet room doors are not.

7. Floors

Lobby, Corridors, Cafeteria and Gym: These spaces on the first floor have 12 x 12-inch vinyl composite tile flooring; the flooring has been well maintained and is presently in fair condition but is showing wear with widening seams in the corridor areas.

Classrooms, Library & Admin: Most classrooms have 12 x 12-inch vinyl composite tile flooring, with some rooms modified with 2/3 carpet and 1/3 VCT. The carpet is in fair condition with a small number of areas with unraveling seams. The Art/Technology classroom, as well as all Modular Classrooms have VCT flooring in fair to good condition. The library and admin areas are also 12 x 12-inch vinyl composite tile.

Toilet Rooms: The toilet rooms have ceramic tile floors that are in fair condition.

Stage: The stage floor construction is wood covered in carpet. The carpet is in fair condition with some wear areas and some unraveling.

8. Ceilings

Gym, Cafeteria, and Storage areas: Ceilings in the Gym and Cafeteria are exposed concrete plank decking. The deck has been painted in the cafeteria and remains natural concrete in the Gymnasium. Storage / Custodian areas are typically unpainted exposed concrete deck.

Classrooms, Library and corridors typically have 2x4 lay in ceiling tiles although there are some locations with 2x2 lay in tiles. The ceiling tiles and grids are typically in fair condition. Stained tiles can be found in areas that have had a leak.

The Main Office and Main Entry ceilings are 12”x12” concealed spline ceilings. The tile texture is quite rough. Although the ceiling is dated the condition is fair.

9. Lockers/Cubbies

There are no lockers in the corridors. The classroom have coat hooks and shelves built into them for student storage. Some classrooms have been modified to include benches and or cubbies

10. Building Code

Fire Separation Assemblies:

Original 1966 Building: The existing classroom building construction (non-combustible structure and walls with non-combustible roof structure) appears to be Type IIB (non-combustible, unprotected). The 2015 IBC limits construction to 26,500 SF per floor on 2 stories. However, the allowable area increase due to street frontage brings the total SF per floor up to 35,775 SF. The floor areas on each story comply with this allowable SF (not to include the square footage of the modulars).

Modulars + Addition: The modular building and addition construction (wood frame construction) appears to be Type 5B (wood frame, non-protected). The 2015 IBC limits construction to 9,500 SF per floor on 2 stories. However, the allowable area increase due to street frontage brings the total SF per floor up to 10,545 SF. The floor area complies with this allowable SF.

It is unclear if an expansion joint was constructed between the two buildings.

Stairs: All stairways serving the original building are enclosed by fire resistive masonry construction, however the door frames contain expanses of wire glass sidelights beyond what a rated frame would be allowed by todays code.

Egress: In general, the building is equipped with adequate egress from each floor.

11. Building Envelope

Any renovations to and/or replacing of the uninsulated exterior walls will require compliance with the current energy code. At present, there is no effective air and vapor barrier at exterior walls and roofs, and all existing walls are uninsulated.

12. Accessibility (MAAB) Code

The building has no passenger elevator connecting the first floor and the second floor. The second-floor classrooms are not accessible requiring the school to maintain classrooms of all grade levels on both floors to accommodate student needs.

The cafeteria stage is only accessible by stairs.

Doors: In many cases, doors do not have adequate pull and push side clearances. The doors themselves have not been retrofited with lever style door hardware and still have knob type hardware.

Stairs: Railings and guards do not meet current codes. In addition, the stair treads do not meet MAAB.

Toilet Rooms: Generally, toilet rooms do not meet accessibility requirements. There are no Handicap toilets or sinks. Pipes are not insulated and most sinks do not have lever faucets.

Accessible Student Stations: The sink and counters provided for student use in all classrooms are not accessible.

Drinking Fountains: Some drinking fountains have been replaced and may meet MAAB, however, there remains existing, non-compliant, fixtures.

Existing Kitchen Conditions

The Amesbury Elementary School serves approximately 420 students in grades Pre-Kindergarten through fourth. In general, most of the kitchen equipment is worn and the kitchen is slightly undersized. What was at one time the dish room is currently used for storage, limited food preparation, and manual pot and pan washing.

The school's cafeteria kitchen serves the typical school lunch program in a single serving line configuration but in its original design was intended to be a two serving line configuration. The serving equipment that is present is outdated.

Floors and walls are constructed of the apprpriate materials and have help up well. However, in the storage room there is no finished ceiling over the dry goods storage. There are many exposed electrical conduits, sanitary drains, and exposed duch work running above the stored goods. In modern kitchens these items are concelaed behind walls or above ceilings. Having these items exposed creates a condition that is impossible to clean. Horizantal surfaces become collection points for dust and other airborn debris. Because there is no ceiling above slow leaks will be undetected and will land on boxes of stored items potentially contaminating them.

The following observation will reference codes and standards. For the purposes of this report when we reference the health code we will be citing the Federal Food Code 2013 addition published by the FDA as well as the Merged Massachusetts Food Code 2008 addition. The merged Massachusetts food code takes much of its material from the Federal food code.

Additionally, the National Sanitation Foundation (NSF) is an independent governing body and testing agency that develops standards for equipment design that is to be used in commercial foodservice applications. All equipment in a commercial kitchen must comply with NSF standards in order to be compliant for use. The following are detailed observations we noted during our site visit.

Additionally, the National Sanitation Foundation (NSF) is an independent governing body and testing agency that develops standards for equipment design that is to be used in commercial foodservice applications. All equipment in a commercial kitchen must comply with NSF standards in order to be compliant for use. The following are detailed observations we noted during our site visit.

Image 1:

- The storage room is undersized and lacks an adequate finished ceiling. The floor is VCT tile, which is not health code compliant. The code requires that the floor have an integral cove and that they be durable and easy to clean. VCT is not a sealed system due to the seams and tends to be a slippery surface within a kitchen environment.



Image 1

Image 2:

- The hood does not have adequate overhang coverage above the cooking equipment in accordance with NFPA 96 standards for exhaust hoods.
- The convection ovens are original to the kitchen installation. The ovens are an outdated horizontal style dependent doors oven. These types of unit are no longer manufactured and all manufactures have changed to vertical door configurations. Vertical doors reduce the potential for burns.
- The steam equipment is not original. It is a boiler-based steam generator system that requires frequent descaling. Because of scale many modern kitchens have moved to boiler less system that are easier to maintain and consume considerably less water.
- There is an existing two burner range in use that is an older standing pilot system. This meant the unit continues to combust gas even when the hood is shut down. New ranges have electronic pilot ignition systems that eliminate this condition thus improving the air quality and conserving natural gas.



Image 2

Image 3:

- The interior of the hood is equipped with mesh filters. Mesh filter are not allowed in commercial hoods per the standards set forth in NFPA 96. Mesh filters will collect and hold grease, which is not desirable.
- The lighting levels under the hood canopy do not meet the minimum standards of 50-foot candles at the work surface.



Image 3

Image 4:

- The ceiling is made of perforated metal tiles. In some cases these tiles have detached. In others the tiles are missing and patches have been introduced. In this image a nail is being used to brace the tile in place. It has held up very well but is in need of an upgrade.
- The lighting levels in the kitchen do not meet the 50-foot-candle minimum for a kitchen environment.



Image 4

Image 5:

- There is no dedicated office for the kitchen manager. Inside the kitchen, in among the preparation space is the office desk. It is located within a few feet of a food preparation table. The office within the kitchen that does not have adequate separation from food preparation is a potential cross contamination point.

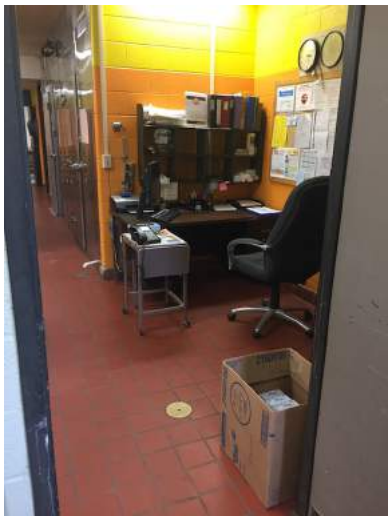


Image 5

Image 6:

- The walk in cooler and freezer are both original to the school's construction. However, the doors have been replaced as some point. Many of the gaskets are failing which allows warm moist air to infiltrate the compartments. This condition creates more dramatic temperature fluctuations and contributes to excessive frost buildup.
- The lighting levels within the walk-in compartments are not adequate.
- There are areas within the compartments that are corroding. For example, adjacent to the light where welded.
- The condensing units for the walk-in cooler are once through water cooled units. This means they use potable water to cool and dissipate the heat coming off the remote condensers. Over the lifetime of these systems they will consume millions of gallons of fresh clean water.
- We noted the holding temperature of the freezer was consistently at 20 degrees. Although this is below freezing the required holding temperature range for a freezer is zero to minus ten degrees. Studies have shown that bacteria will continue to grow when outside these temperature zones.



Image 6

Image 7:

- Galvanized zinc shelves are no longer allowed as a food contact surface due to the risk of zinc exposure. Food is kept in containers so the risk is being managed but best practices is to eliminate this condition entirely by using NSF approved shelving designed for moist cooler environments.
- Where the coating has worn off corrosion can be seen forming. Many shelves have this condition.



Image 7

Image 8:

- Wood toped table can be seen in in image 8. Wood topped work surfaces are not allowed in a kitchen unless it is being used in a baking of breads and other dough baking. Wood surfaces are difficult to maintain in the long term and they require frequent oiling. If not oiled the wood shrinks and splits causing health code violation since the gap fill with debris and it is not possible to clean and sanitize.
- All materials in a kitchen should be stainless steel or other appropriate material. Materials must be durable and easy to clean.



Image 8

Image 9:

- The serving counter is not equipped with cold food holding equipment. Without mechanical cooling it can be difficult to maintain proper cold serving temperatures.
- The sneeze shield in the serving counter is not compliant with current sneeze guard standards and health codes.



Image 9

Image 10:

- The health code requires that any sink used in the preparation of food be air gapped. The air gap prevents sewer gas and backup form contaminating the sink bowls. In this case the prep sink is directly connected to the sanitary drain system.



Image 10

Recommendations:

1. A reorganized and expanded kitchen is warranted. The serving line lacks the ability to hold cold food during serving. Parts of the serving line are located in the seating area. This function must be reorganized to be within full control of the kitchen area.
2. Eliminate all wood surfaces. Replace them with appropriate materials that are complaint with the modern health code standards.
3. Eliminate all wood surfaces. Replace them with appropriate materials that are complaint with the modern health code standards.
4. Add appropriate mobile worktables to provide for additional work surfaces that are flexible.
5. Redeploy the dish room or eliminate the equipment from the dish room to provide for efficient storage.

6. Replace the antiquated exhaust hood with a compliant hood system that is equipped with safety features and provides proper lighting and exhaust coverage above the equipment.
7. An appropriate walk-in cooler and freezer should be considered for proper storage capacity and holding temperatures

PLUMBING




Domestic hot water plant comprises of a 300 MBH Raypak gas boiler and an indirect tank.




Roof drains do not have overflow.





Despite its age, all of the plumbing fixtures were well maintained and are in fair shape.



L- recessed water fountain. CL- water cooler. CR- teachers' lounge. R- repairs were done using proper material.



L- gas service is located on the left side of the Main Entry. CL- serves two space heating boilers + one domestic hot water boiler. CR- serves gas fired Ford generator set. R- and serves rooftop units on the temporary structure.

Plumbing Summary:

- Original 1966 drawings show: a 2" potable water tapped from 6" main on the South Hampton Road, cast iron sanitary waste piping inside the building connected to a 6" Transite piping and runs to a sewer main on the South Hampton Road, a 18" CP storm drain connected to a 24" main on the South Hampton Road, and a Gas piping from LP main on the South Hampton Road.
- Fixtures are well maintained and are in fair condition.
- Waste & vent piping is past its useful life.
- Potable water piping is past its useful life, and its joints may be made used lead-containing solder.

FIRE PROTECTION








The 1966 drawing shows this building to be fully sprinklered but apparently a decision was made not to install them. This building is not sprinklered.




L- no sprinklers were found inside, Siamese connection indicated on original drawing was not found, but this water-gong was found outside. R- Kitchen hood does not have dry chemical protection system such as Ansul.

Fire Protection Summary:

- The 1966 drawing shows this building to be fully sprinklered but no sprinklers were found inside the building. Suggesting possibly that a value engineering decision was made not to install them.
- A water gong was found outside.

Further investigation would be required.

GENERAL



Spliced frontal panoramic view, from L to R: far canopy is the main entry; note the temporary classrooms to the right. This school was built in 1966, making it 52 years old.



Main roof mechanical equipment is limited to roof exhaust fans.

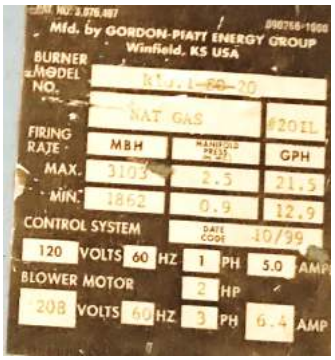
HVAC





L- Boiler Room upper deck has duplex hot water circulation pumps. R- a few steps down are two cast iron hot water boilers; burners on boilers are the same vintage but the boiler right appears to be newer.





Boilers are Weil-McLain model 1088 dual-fuel hot water boiler with 3,103 MBH input capacity. R- burners are Gordon-Piatt duel fuel (gas/ #2 oil)







L & C- Raypak gas fired domestic hot water boiler is 300 MBH input capacity. R- The hot water pumps are Taco 3910 467, 1750 RPM pump rated for 175 GPM at 50' head.





L- pneumatic control compressor. R- gas fired Ford stand by generator.



L- typical windows are single pane aluminum frame type, with an operable lower section. CL, CR & R- typical classroom is heated and ventilated by a Nesbitt unit ventilator and hot water fintube radiation behind the book shelves along the perimeter.



L- Unit Ventilator outside air intake is through integral masonry louver. CL- each class room has a low exhaust grille, which is often blocked off. CR- one of typical roof exhaust fan serving the classrooms. R- typical space has Honeywell pneumatic day and night thermostats.



Cafetorium is served by two unit ventilators and an a dedicated exhaust fan.





L- Gym can be divided into two with movable partition; each half is heated and ventilated by a H&V unit hung high with free-blow supply grille and low return air grille. C- Each Gym half also has a low exhaust grille served by roof exhaust fan. R- corridor is served by hot water convector.

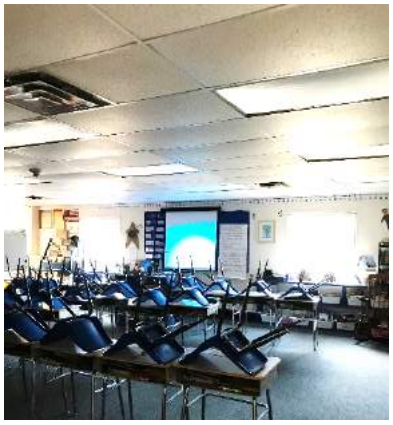




L & C- this room appears to be a computer lab, which seem to be part of the temporary classroom addition; note the Sheetmetal ductwork between the low and high ceiling areas. R- this space is fully conditioned by a packaged rooftop HVAC unit.



Typical office space is heated by hot water fintube radiation and ventilated by operable windows.





L & C- Typical temporary classroom is served by a dedicated gas/electric packaged rooftop HVAC unit. R- one of the room had roof leakage.




L- kitchen exhaust hood on left, supply registers beyond from 3,500 CFM 100% outside air makeup air unit H&V-J which does not have freeze-protection so it is doubtful it can be operated during winter. R- interior picture of the kitchen hood- the filters are non-compliant mesh type.

Mechanical Summary:

- Heating plant comprises of two gas fired hot water boilers and duplex constant flow pumps, which were updated sometime in past and are in fair shape and should be fine for next several years.
- Hot water piping for the first floor runs in under-floor pipe chase.
- Original plan shows that gas service was brought in and a 10,000-gallon underground fuel oil tank was installed, with duel fuel type boilers. We suspect that the original single-wall fuel oil tank was removed sometime and building has been on gas-only since.
- Hot water piping is 58 years old, well past its useful life of 30-40 years.
- Unit ventilators are of original vintage at 58 years of age and are well past its useful life of 30 years. Unit ventilators do not meet modern acoustical requirement for teaching environment.
- Fintube radiation and convectors are of original vintage at 58 years of age and are well past its useful life of 30 years.

- Surprisingly most classroom exhaust grilles were active, and roof exhaust fans were operational.
- The temporary building addition parts are all fully conditioned by individual gas/electric packaged rooftop HVAC units. That part of roof was not accessible, and age of HVAC units could not be documented.
- Automatic temperature control is day/night type pneumatic controls, which are outdated, tough to service, and is not equipped with energy conservation features appropriate for modern day.
- The HVAC system, despite being well past its useful life, are maintained well.

ELECTRICAL

Electrical Service

The incoming underground primary underground electric service emanates from a pole on South Hampton Street. It serves a pad mounted transformer located on school property. Utility metering is located in the main electric room.

The main circuit breaker and distribution panel are located in the first floor electric room and are rated at 600-amperes, 120/208-volts, 3-phase. The equipment was manufactured by Federal Pacific. Federal Pacific has been out of the switchboard and panelboard business for over thirty years. Federal Pacific equipment is notorious for very poor quality and high failure rates. The electric service equipment is past its life expectancy, is in poor condition and needs to be replaced.

Electrical Distribution

During our walk-through of the building it appeared to us that the Federal Pacific panelboards and associated feeders have not been upgraded or replaced. We did notice that a newer panelboard was installed to serve selected new loads. Some panels are recessed in corridors CMU walls. The majority of the panels are manufactured by Federal Pacific. Federal Pacific equipment is notorious for very poor quality and high failure rates. Due to the age and the quality of Federal Pacific equipment, all panelboards must be replaced during any renovation project.

Emergency Light and Power System

The building is served by a 30 KW diesel emergency generator manufactured by Ford. The generator, automatic transfer switch, and panelboards is located in the main electric room and are all original equipment. The generator being installed in the same room as the normal electric service is a present-day code violation. MA Electrical Code Article 700 requires the normal and emergency electrical equipment to be separated by a two-hour rated separation. In addition, the generator location does not allow for code required work space for the generator and wall mounted electrical panels.

TEC did not observe the emergency lighting levels. Based on past experience, it is doubtful that all areas are properly covered by emergency lighting as required by code.

The emergency electric service including generator, automatic transfer switch and area protection monitor are in poor condition.

There are battery lights in the modular classrooms, TEC did not test the units.

Lighting Systems

There are multiple types of lensed lighting fixtures in the building - surface mounted in the cafeteria and offices, pendent mounted in the gymnasium and recessed 2’ x 4’ in classrooms and corridors. Lamps appear to be a combination of T8 and T12. Overall quality of the lighting is fair to poor condition, but the lighting provides glare. Glare was observed on whiteboards and computer screens.

All lighting appears to be controlled by local switches including corridors. Corridors appear to have a low voltage relay system. Most rooms have two switches to provide multiple lighting levels. There are no occupancy sensors in most rooms in building.

Site lighting consists of pole mounted or wall mounted flood type lighting fixtures. Based on the layout observed, it is assumes that the site lighting does not completely cover the parking lot and walkways.

Receptacle Systems

There are a very limited number of receptacles in all spaces including classrooms and offices. We observed one or two receptacles in classrooms. The receptacles are of the grounded type. The quantity of receptacles is insufficient for the requirements of an educational facility. Power strips are used in every classroom. This can be a dangerous practice by overloading circuits. Receptacles in surface mounted raceways have been added in classrooms in very few areas, however the quantity of receptacles is insufficient for current classroom and office requirements.

Fire Alarm System

The building is not sprinkled. The fire alarm system consists of a control panel, annunciator, manual pull stations, heat detectors, and horn/strobe notification devices. The control panel is a 12 zone FCI conventional system and was installed in 1995. Many of the original pull stations, and detectors are used. In addition devices from Wheelock, Gamewell and Notifier have been added over the years.

There are smoke detectors in the corridors and the large majority of rooms including classrooms including modular and offices have heat detector coverage. Pull stations are located at most egress locations, however the pull stations do not meet ADA height requirements and are not always located within 5'-0" of the egress doors. There are ADA AV notification units installed in classrooms and corridors. TEC did not witness the fire alarm system operation and are unable to comment on its operation.

Exit Signs

There appears to be exit signs in all paths of egress. There are several different generations of exit signs in the building. Many exit signs are not illuminated. Overall exit signs condition is poor. Several exit signs have faded or not functioning and should be replaced.

Communications / Technology

There is a very limited voice/data network in the building. It appears one voice and one data outlet per classroom including modular classrooms. There are voice/data outlets at office work station locations.

MDF equipment is wall mounted in the computer room.

There is no centralized wireless access system in the building. There are some WAPs in corridors and a few classrooms. TEC did not test the system but coverage is limited.

Limited data outlets were observed in classrooms. Typically at one location.

Interactive projectors were observed in the library and one classroom. There are several projectors are carts. There are also TVs in the corner of the classrooms that are not used.

There are desk telephones in all offices and classrooms.

The communication systems are aged, very limited and insufficient for a present-day school and should be replaced during a renovation project.

Security Systems

There is no audio/visual door entrance control system.

There are no security cameras in the building. There are a few fake cameras located in the corridors.

There is an intrusion alarm system using door contacts. The system appears to be operational.

No card access system observed.

Master Clock System

The master clock system is a Simplex 2350 with clocks in all classrooms. Battery operate clocks are installed in some classrooms and rooms where the master clock has failed. Modular classrooms use battery clocks. The clock is located in a wall mounted enclosure with the room speaker.

PA System

There is a PA system in the building with a Bogen amp. The PA controller is located in the main office. There are speakers in all classrooms including modular and corridors. Classroom speaker located in a wall mounted enclosure with the clock. There is a privacy switch in all classrooms. TEC did not observe PA speakers in cafeteria and gym. We did not observe any voice communication over the PA system. We cannot confirm level of operation, but staff indicated that speakers do not work in all rooms and coverage in corridors is poor.

The PA System is aged, not functioning properly and insufficient for a present-day school and should be replaced during a renovation project.

Local Sound Systems

There are local sound systems in the cafeteria and gym. Both systems are in poor condition. TEC did not observe operation, but it is safe to assume that the quality of sound is low quality.

TECHNOLOGY

A site visit and review of the existing communication and technology systems was conducted on April 11, 2018, during which time the following general observations were made and summary report filed.

Distributed Communication System

- There is an antiquated but functional Bogen Public Address System with main console located in the main office. Speakers in hallways were observed to be mounted approximately 40-50 feet from each other, which is inadequate for public address announcements in hallways. Antiquated clock speaker wall assemblies were observed in all classrooms.
- Older Simplex Model 2350 Master Clock system is located on the wall in the main office with secondary analog clocks installed throughout the school.
- Emergency call in switches were observed in all classroom areas.
- System was not tested for functionality.

Structured Cabling System

- Network cabling is a combination of Category 5 and 6 UTP Ethernet data cabling to support connections to the network.
- No real data closets exist. Two shared spaces, including a storage room between two classrooms and the computer room housing wall mount racks to serve as Intermediate Distribution Frame (IDF) locations.
- Cabling and equipment is installed in wall mounted racks in these shared spaces, making equipment inaccessible to network administrators.
- Some network equipment was found to be not installed in racks but resting on shelving in the storage room.
- The Main Distribution Frame (MDF) location for the network is located in a small AV closet labeled AV Storage on the plans. Cable and equipment terminations again are in wall mount racks. Fiber optic cabling appears to be installed between the MDF and IDF locations.
- Power and environmental conditioning are inadequate.
- Older and obsolete coaxial cable is installed throughout the school.

Security Systems

- The bare minimum exists based on today's standards. Surveillance video is limited to front door entrance. No access control system exists. Intrusion detection is limited through the use of door contacts and few motion sensors in hallways. A multi-zone keypad for arming and disarming the system was located at the just inside a back service entrance.
- There is Administrative intercom system at the main entrance for communicating with visitors and for remotely unlocking the door for providing access to the building.

Telephones

- Antiquated but what appears to be a functional Cordial telephone system with handsets located in office locations and most of the classroom spaces.

Network Equipment

- Network switches were located in the two IDF's and the MDF. They are stackable Aruba and HP Procure switches.

Wireless

- limited or no wireless access devices were observed

Computers

- Multiple Dell Computer desktops with monitors were installed in rows in one of the two computer labs observed.
- There was also an iMac lab with multiple iMac computers configured in multiple Pods of 6 workstations.
- In both computer rooms, computers were serviced with power and network connections via power poles installed between the ceiling and the floor.
- Laptop computers were observed in some of the classrooms at the teacher's workstation location.

Mobile Technology

- Mobile technology carts were not observed.

Printers

- Large multifunction printer/copiers were observed in the main office area.
- The computer rooms contained smaller work group laser printers.

Classroom Instructional Technology

- All classrooms are equipped with antiquated wall/ceiling mounted CRT televisions with VCR players.
- A few rooms including the computer lab and one or two classrooms were observed to have older ceiling mount projectors being used with pull down projection screens.
- Interactive Smartboard were observed in a few rooms.
- One or two rooms contained ultra-short projection technology, but it was unclear whether this was standard projection or interactive projection technology.
- Document cameras were observed at many of the teacher stations in classrooms.
- No voice reinforcement in classrooms was observed.
- A few rooms were equipped with audio playback speakers attached to Smartboards.

Audio Visual Systems – Large Venue

- Whole school assemblies occur in the Gymnasium. Portable speakers are brought in and mounted on wall brackets located in the corners of the Gym. There is some permanent equipment mounted to the wall that allows for the connection of microphones and portable sound system equipment.
- The school also relies on the AV equipment installed in the Cafeteria Stage area. This equipment is a combination of some built in and portable systems. There does not appear to be an integrated or installed projection system in either the Gym or the Cafeteria.
- All equipment appears to be functional but minimal in dealing with today's Audio-Visual needs of large venue and assembly spaces.

ENVIRONMENTAL SITE ASSESSMENT

An ESA Phase 1 Initial Site Investigation has been completed and is included in this section.

HAZARDOUS MATERIALS ASSESSMENT SURVEY

A hazardous materials assessment survey will be included in the Preferred Schematic Report. Prior to completing this survey, existing AHERA reports (attached) were reviewed and summarized as follows:

Asbestos-Containing Materials

1. Asbestos Management Plan Assessment

   Based upon information provided by the Amesbury Elementary School Department, the original AHERA Survey Reports and Asbestos Management Plans cannot be located. In order to comply with the U.S. Environmental Protection Agency's Asbestos Hazard Emergency Response Act (AHERA) regulation requiring schools to be inspected for asbestos-containing building materials by October of 1988, if the Asbestos Management Plan cannot be located, another Plan should be produced.

   The following observations, which might not be included with the Asbestos Management Plan, are provided for your consideration:

   - Identification of all suspect materials - Since the AHERA regulation addresses "asbestos containing building materials" rather than asbestos containing materials, several suspect materials fall outside the realm of the regulation and were not tested. These include but are not limited to roofing materials and window glazing and caulking. In addition, as allowed by the regulation, some materials may have been presumed to contain asbestos, however actual asbestos content has not been confirmed.
   - Incomplete testing - Upon review of the most recent AHERA 3-Year Reinspection Report, it appears that several building materials which are covered by the regulation may not have been tested because the report does not include a list of materials that were sampled and found to be non-asbestos-containing. These include cove base and mastic, sheetrock, joint compounds and wall plasters. These materials are typically impacted during regular maintenance activities at the School and should be tested to determine if asbestos is present. AHERA reinspection reports provided by *RFP Environmental* (March, 2016) do not adequately reference a primary AHERA inspection Report.
   - Use of Homogeneous Areas - While the AHERA regulation requires that suspect materials be grouped into "homogeneous areas", this is not an efficient way to manage asbestos on a daily basis. A listing of asbestos, its' quantity, location and condition would be more useful to the School in managing asbestos at the facility.

2. Recommendations

ECMS recommends the following to assist the *Amesbury Elementary School Department* to better manage their asbestos within the School's buildings:

- Using the AHERA 3-Year Reinspection Report as a reference, *ECMS* recommends a full AHERA survey be performed (if the original cannot be located) to confirm the presence of asbestos materials within the facility. This includes the collection and analysis of suspect asbestos containing materials to obtain a complete inventory of asbestos at the School. Destructive sampling (i.e. breaking into walls, chases, etc.) should be performed as part of the recommended survey due to the requirements of the MassDEP prior to renovation or demolition. If historical data can be found, specifically sample analysis data, and is available from the initial survey, this data would be used in an effort to reduce the number of samples collected and reduce the cost incurred by the School. All samples should be collected in accordance with the EPA's AHERA sampling protocol as well as the National Emissions Standard for Hazardous Air Pollutants (NESHAPS) and must be analyzed at an accredited laboratory. It should also include reviewing available asbestos documentation to determine what abatement activities have taken place to date.
- A customized survey report should be prepared that can be used by the School to better manage asbestos during maintenance and renovation activities. This report would clearly indicate the types, quantities, and locations of asbestos within each School and would serve as a tool for managing asbestos on a daily basis.
- In order to comply with the U.S. Environmental Protection Agency's Asbestos Hazard Emergency Response Act (AHERA) regulation requiring schools to be inspected for asbestos-containing building materials by October of 1988, if the Asbestos Management Plan cannot be located, another Plan should be produced.

Miscellaneous Hazardous Materials

Observation of light ballasts should be conducted. Upon replacement, if the ballast label does not indicate "No PCBs," it should be disposed of as PCB-containing waste at an approved recycling or landfill facility.

A detailed inspection should be made for the presence of thermostats and switch gear that may be mercury-containing.

PART 4: EVALUATION OF EXISTING CONDITIONS

AMESBURY ELEMENTARY SCHOOL ATTACHMENTS

- Assessor's Card
- Deed
- ANRAD
- ANRAD Peer Review
- Preliminary Geotechnical Report
- Phase I Environmental Site Assessment
- Existing Conditions Traffic Assessment (includes Cashman School)
- AHERA Report

24 S HAMPTON RD

Location 24 S HAMPTON RD
Mblu 26/ / 4/ /

Acct# 95
Owner AMESBURY CITY OF

Assessment $6,279,100
PID 4186

Building Count 1

Current Value

Assessment			
Valuation Year	Improvements	Land	Total
2018	$5,184,700	$1,094,400	$6,279,100

Owner of Record

Owner AMESBURY CITY OF
Co-Owner ELEMENTARY SCHOOL
Address TOWN HALL
AMESBURY, MA 01913

Sale Price $0
Certificate
Book & Page 5324/ 200
Sale Date 12/30/1965

Ownership History

Ownership History				
Owner	Sale Price	Certificate	Book & Page	Sale Date
AMESBURY CITY OF	$0		5324/ 200	12/30/1965
GOULD EDWARD W	$0			

Building Information

Building 1 : Section 1

Year Built: 1967
Living Area: 58,391
Replacement Cost: $8,205,793
Building Percent Good: 61
Replacement Cost Less Depreciation: $5,005,500

Building Attributes	
Field	Description
STYLE	High School
MODEL	Commercial

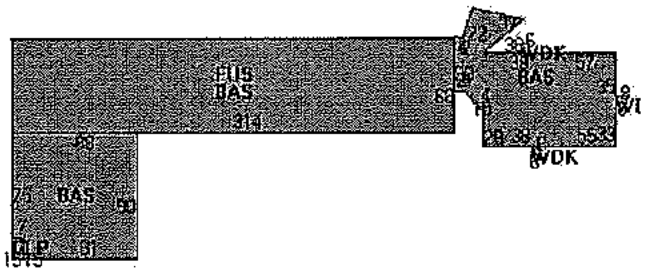
Grade	Average +10
Stories:	2
Occupancy	1
Exterior Wall 1	Brick/Masonry
Exterior Wall 2	Minimum
Roof Structure	Flat
Roof Cover	Tar & Gravel
Interior Wall 1	Plastered
Interior Wall 2	
Interior Floor 1	Vinyl/Asphalt
Interior Floor 2	
Heating Fuel	Gas
Heating Type	Hot Water
AC Type	None
Bldg Use	Education C
Total Rooms	
Total Bedrms	00
Total Baths	2
1st Floor Use:	9033
Heat/AC	NONE
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	SUS-CEIL & WL
Rooms/Prtns	AVERAGE
Wall Height	12
% Comn Wall	0

Building Photo



(http://images.vgsl.com/photos/AmesburyMAPhotos//\00\01\57/

Building Layout



Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	37,039	37,039
FUS	Upper Story, Finished	21,352	21,352
CLP	Loading Platform, Finished	105	0
WDK	Deck, Wood	120	0
		58,616	58,391

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
CNP2	GOOD QUALITY	1344 S.F.	$12,300	1
CNP2	GOOD QUALITY	426 S.F.	$3,900	1
SPR2	WET CONCEALED	58400 S.F.	$124,700	1

Land

Land Use

Use Code	9340
Description	Education C
Zone	R8
Neighborhood	0900
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	14.11
Frontage	950
Depth	600
Assessed Value	$1,094,400

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
PAV1	PAV ASPH			20000 S.F.	$37,000	1
SHD1	SHED FRAME			112 S.F.	$1,300	1

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ORDER OF TAKING

& Plan

At a meeting of the Board of Selectmen of the Town of Amesbury in the County of Essex, Commonwealth of Massachusetts, duly held on this sixth day of December, 1965 at which all members are present, it is unanimously VOTED and ORDERED:

That the Board of Selectmen of the Town of Amesbury, on behalf of said Town of Amesbury, by virtue of, and in accordance with, a vote of the inhabitants of said town under Article 8 of the warrant for a special town meeting duly called and held on September 14, 1965 and duly adjourned to September 21, 1965, does hereby take in fee simple, under the provisions of Chapter 79 of the General Laws of the Commonwealth of Massachusetts,,and acts in amendment thereof and in addition thereto, for the purpose of constructing thereon an elementary school for the Town of Amesbury, the following described parcel of land together with all trees and structures thereon but not including, however, the small building thereon and any poles, towers, wires, cables and other appurtenances, if any there be, for the conveyance of electricity and telephone communication:

A certain parcel of land situate on the Westerly side of South Hampton Road in Amesbury, Essex County, Massachusetts owned or supposedly owned by Edward W. Gould and bounded and described as follows: Beginning at the Southeasterly corner thereof adjoining land formerly of Tuxbury, now of Barbaro and South Hampton Road, thence running South 67¼° West 417.76 feet by land of Barbaro and Blanchard; thence South 16½° East 132.5 feet to Rowell Street or Avenue; thence South 68° West 86.25 feet along said Rowell Avenue to land formerly of Ashworth, now of Bloom; thence North 34° 47' West 275 feet by said land of Bloom; thence North 56° East 7.26 feet by said Bloom land; thence North 32° 45' West 336.6 feet by land of Bloom; thence in a Northerly direction 410 feet, more or less, by land now or formerly of Locke Realty, Inc.; thence North 59° 45' East 132.5 feet by land of said Locke Realty, Inc.; thence North 60½° East 575.3 feet by land of said Locke Realty, Inc. to said South Hampton Road; thence South 7° 45' East 323.2 feet by said Road; thence South 2½° East 498.75 feet by said Road; thence South 2½° West 122.75 feet by said Road to land of Barbaro and the place begun at and being the same land, however otherwise it may be bounded and described which

is described in deed of Martha B. Brewster and others to Edward W. Gould dated November 4, 1948 and recorded with Essex, South District, Deeds in Book 3658, Page 112 with the exception of three parcels conveyed by said Gould appearing of record and which are now owned or supposed to be owned by R. G. Watkins and Son, Inc., Lillian C. and Loretta Graf and Locke Realty, Inc. Said land is shown on "Plan of land in Amesbury, Mass. owned by Edward W. Gould, scale 1 inch = 100 feet, Nov. 1965", Brasseur Associates, Haverhill, Mass. to be recorded with Essex, South District, Deeds, with this taking, a copy of which is to be filed in the office of the Town Clerk, Town Hall, Amesbury, Massachusetts.

There is hereby awarded to all persons having an interest in said property and damaged by this taking, the sum of Fifteen Thousand and No/100 Dollars ($15,000.00). The Board of Selectmen reserves the right to amend the award at any time prior to the payment thereof for good cause shown.

And it is further VOTED and ORDERED that the Secretary of the Board of Selectmen cause a copy of this Order signed by the Board of Selectmen or certified by the Secretary together with a copy of said plan to be recorded in the Registry of Deeds for Essex County, Southern District, at Salem, Massachusetts within Thirty (30) days from the date hereof and immediately thereafter to give notice in accordance with the provisions of said Chapter 79 of the General Laws to every person including every mortgagee of record whose property has been hereby taken or who is otherwise entitled to damages on account of such taking.

Notice is hereby given that any person entitled to an award of damages resulting from this taking may petition the Superior Court within and for the County of Essex for an assessment of such damages within Two (2) years from the date of recording of this Order of Taking in said Essex, South District, Registry of Deeds.

Dated and adopted by unanimous vote of the Board of Selectmen

this sixth day of December, 1965.

Herbert N. Gurney

Walter M. Hellen

Robert A. Gonthier

Selectmen of the Town of Amesbury

A true copy,

Attest:

Walter M. Hellen, Secretary
Board of Selectmen
Town of Amesbury

Essex ss. Recorded Dec. 7, 1965. 5 m. past 11 A.M. #108

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 4A – Abbreviated Notice of Resource Area Delineation

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Amesbury
City/Town

A. General Information

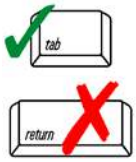
1. Project Location (**Note:** electronic filers will click on button for GIS locator):

24 South Hampton Road — a. Street Address
Amesbury — b. City/Town
01913 — c. Zip Code

Latitude and Longitude:
42.866155 — d. Latitude
70.932239 — e. Longitude

26 — f. Assessors Map/Plat Number
4 — g. Parcel /Lot Number

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



2. Applicant:

Ken — a. First Name
Gray — b. Last Name
City of Amesbury, Mayors Office — c. Organization
62 Friend Street — d. Mailing Address
Amesbury — e. City/Town
MA — f. State
01913 — g. Zip Code
978-388-8121 — h. Phone Number
978-388-6727 — i. Fax Number
Mayorgray@amesburyma.gov — j. Email Address

3. Property owner (if different from applicant):

☐ Check if more than one owner (attach additional sheet with names and contact information)

Same — a. First Name
b. Last Name
c. Organization
d. Mailing Address
e. City/Town
f. State
g. Zip Code
h. Phone Number
i. Fax Number
j. Email Address

Note: Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

4. Representative (if any):

Fredric — a. Contact Person First Name
King — b. Contact Person Last Name
DGT Associates — c. Organization
1071 Worcester Road — d. Mailing Address
Framingham — e. City/Town
MA — f. State
01701 — g. Zip Code
508-879-0030 — h. Phone Number
508-879-1797 — i. Fax Number
fking@dgtassociates.com — j. Email Address

Fees will be calculated for online users.

5. Total WPA Fee Paid (from attached ANRAD Wetland Fee Transmittal Form):

Fee exempt — a. Total Fee Paid
b. State Fee Paid
c. City/Town Fee Paid

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 4A – Abbreviated Notice of Resource Area Delineation

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Amesbury
City/Town

B. Area(s) Delineated

1. Bordering Vegetated Wetland (BVW) — 1,280 ft. (Linear Feet of Boundary Delineated)

2. Check all methods used to delineate the Bordering Vegetated Wetland (BVW) boundary:

   a. ☒ MassDEP BVW Field Data Form (attached)

   b. ☐ Other Methods for Determining the BVW boundary (attach documentation):

      1. ☐ 50% or more wetland indicator plants
      2. ☒ Saturated/inundated conditions exist
      3. ☒ Groundwater indicators
      4. ☐ Direct observation
      5. ☒ Hydric soil indicators
      6. ☐ Credible evidence of conditions prior to disturbance

3. Indicate any other resource area boundaries that are delineated:

a. Resource Area	b. Linear Feet Delineated
Bordering Vegetated Wetlands	930
c. Resource Area	**d. Linear Feet Delineated**
Bank	350

C. Additional Information

Applicants must include the following plans with this Abbreviated Notice of Resource Area Delineation. See instructions for details. **Online Users:** Attach the Document Transaction Number (provided on your receipt page) for any of the following information you submit to the Department.

1. ☒ ANRAD (Delineation Plans only)
2. ☒ USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
3. ☒ Plans identifying the boundaries of the Bordering Vegetated Wetlands (BVW) (and/or other resource areas, if applicable).
4. ☒ List the titles and final revision dates for all plans and other materials submitted with this Abbreviated Notice of Resource Area Delineation.

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 4A – Abbreviated Notice of Resource Area Delineation

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Amesbury
City/Town

D. Fees

The fees for work proposed under each Abbreviated Notice of Resource Area Delineation must be calculated and submitted to the Conservation Commission and the Department (see Instructions and Wetland Fee Transmittal Form).

1. ☒ Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to the attached Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number	3. Check date
4. State Check Number	5. Check date
6. Payor name on check: First Name	7. Payor name on check: Last Name

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 4A – Abbreviated Notice of Resource Area Delineation
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Amesbury
City/Town

E. Signatures

I certify under the penalties of perjury that the foregoing Abbreviated Notice of Resource Area Delineation and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

I hereby grant permission, to the Agent or member of the Conservation Commission and the Department of Environmental Protection, to enter and inspect the area subject to this Notice at reasonable hours to evaluate the wetland resource boundaries subject to this Notice, and to require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.

I acknowledge that failure to comply with these certification requirements is grounds for the Conservation Commission or the Department to take enforcement action.

1. Signature of Applicant — 2. Date: 7/3/2018

3. Signature of Property Owner (if different) — 4. Date

5. Signature of Representative (if any) — 6. Date: 7/10/2018

For Conservation Commission:
Two copies of the completed Abbreviated Notice of Resource Area Delineation (Form 4A), including supporting plans and documents; two copies of the ANRAD Wetland Fee Transmittal Form; and the city/town fee payment must be sent to the Conservation Commission by certified mail or hand delivery.

For MassDEP:
One copy of the completed Abbreviated Notice of Resource Area Delineation (Form 4A), including supporting plans and documents; one copy of the ANRAD Wetland Fee Transmittal Form; and a copy of the state fee payment must be sent to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery. (E-filers may submit these electronically.)

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.

DGT Associates
Surveying & Engineering

1071 Worcester Rd.
Framingham, MA 01701
508.879.0030
www.dgtassociates.com

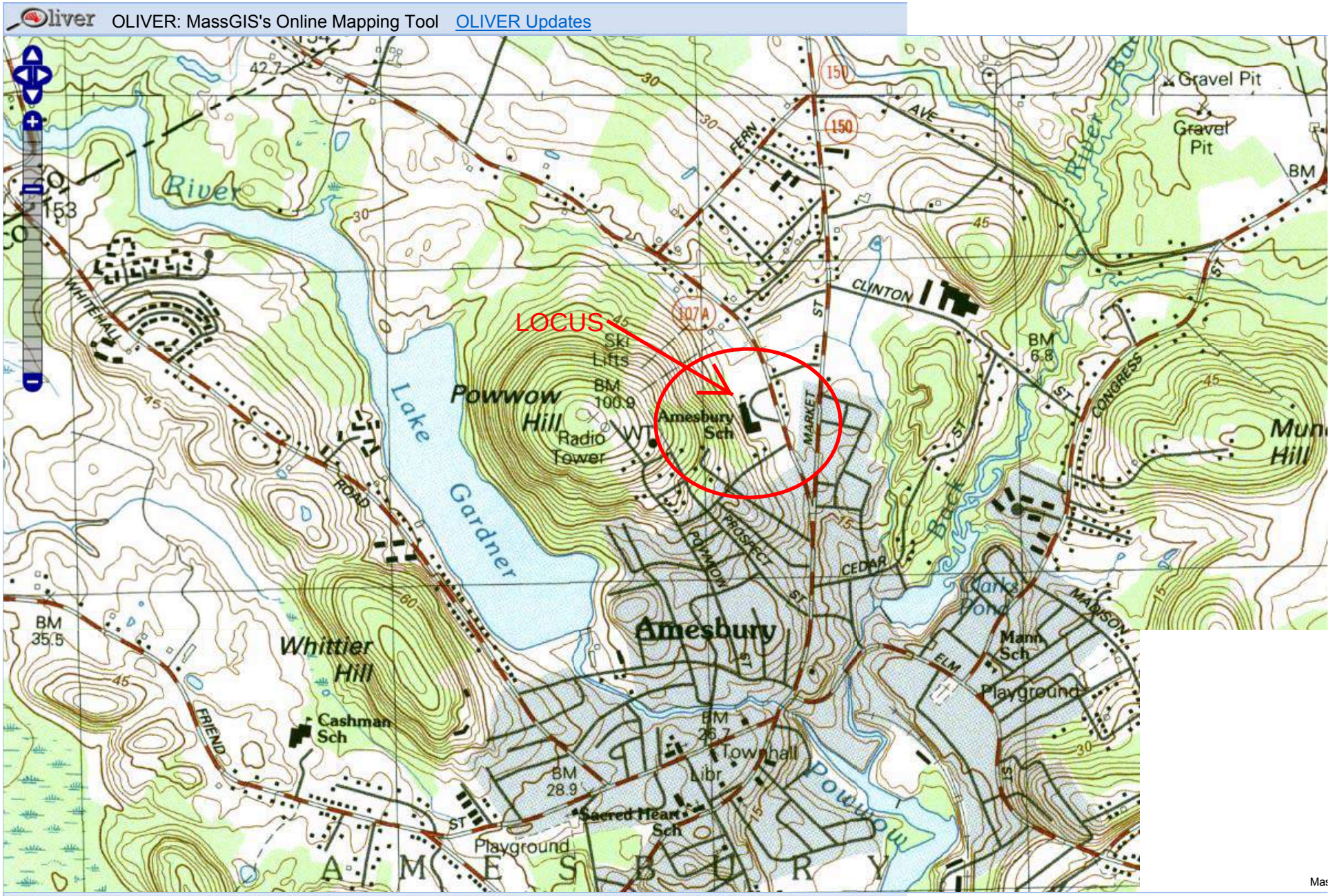
25286

AMESBURY ELEMENTARY SCHOOL

ANRAD FILING

LIST OF ATTACHMENTS

ATTACHMENT 1	**USGS LOCUS MAP**
ATTACHMENT 2	**CERTIFIED ABUTTERS LIST (300 FT.) And ABUTTER NOTIFICATION**
ATTACHMENT 3	**WETLAND DELINEATION REPORT** Dated 7/12/18 by DGT Associates
ATTACHMENT 4	**DEP FIELD DELINEATION FORMS, TRANSECT LOCTIONS AND DELINEATION SKETCH FOR STREAM ACROSS S. HAMPTON ROAD (27 AND 29 S. HAMPTON ROAD)**
ATTACHMENT 5	**"COMPILED PLAN OF LAND IN AMESBURY, MA"** Dated revised 6/5/18, By Hancock Associates.



ATTACHMENT 1
LOCUS MAP

DGT Associates
Surveying &
Engineering

1071 Worcester Rd.
Framingham, MA 01701
508.879.0030
www.dgtassociates.com

25286

AMESBURY ELEMENTARY SCHOOL

ANRAD FILING

ATTACHMENT 2

CERTIFIED ABUTTERS LIST
And ABUTTER NOTIFICATION

Amesbury

Assessors Office

RECEIVED
18 JUN 28 AM 10:30
BOARD OF ASSESSORS
AMESBURY, MA

Board of Assessors
John Cena, MAA
Damian Johnson, MAA
Bradford W. Swanson, MAA

Town Hall; 62 Friend Street
Amesbury, MA 01913-2825
Telephone: (978)388-8102
E-mail: assessor@amesburyma.gov
Web site: www.amesburyma.gov

REQUEST FOR AN ABUTTERS LIST

Location of property: 24 South Hampton Road (Amesbury Elementary School)

Map/Lot: Map 26 / pcl 4

Requestor: (please print) Fredric King

Phone Number: 774-244-7717

Request is made for application to the following board:

☒ Conservation Commission (100'); date of meeting: TBD (Tentative 8/6/18)

emailed indicating 300'

☐ Planning Board (300'); date of meeting: _____

☐ Liquor Commission (300', 500' schools & churches); date of hearing: _____

☐ Zoning Board of Appeals – (300 feet); date of meeting _____

☐ Other (explain) **fee required**: _____
#feet: _____ Immediate abutters only _____

Note: The Assessors Office has **ten (10) days** from the date of receipt of this application to process your request. We will call the requestor when the abutters list is complete. The **original complete abutters** list must be submitted with your application for the appropriate board. **Lists cannot be mailed unless a prepaid, self addressed envelope is attached to this application (no certified).** We will not be responsible for lists sent through the mail. Completed lists can be picked up at the Assessors Office during normal office hours of Monday through Wednesday 8:00 am to 4:00 pm, Thursday 8:00 am – 7:00 pm, Friday 8:00 am to 12:00 pm.

Signed: Fredric W. King Date: 6/28/18

☐ Prepaid, self addressed envelope attached.

Fredric W. King, P.E., LEED® AP
Senior Engineer, Senior Wetland Specialist
DGT Associates (formerly Schofield Brothers)

DGT Associates
Surveying & Engineering

1071 Worcester Road
Framingham, MA 01701

Office: 508-879-0030 x 221
Cell: 774-244-7717
fking@dgtassociates.com

Property Location: 24 S HAMPTON RD | MAP ID: 26/ / 4/ / | Bldg Name: ELEMENTARY SCHOOL | State Use: 9340

Vision ID: 4186 | Account #95 | Bldg #: 1 of 1 | Sec #: 1 of 1 | Card 1 of 1 | Print Date: 06/28/2018 15:15

CURRENT OWNER	TOPO.	UTILITIES	STRT/ROAD	LOCATION
AMESBURY CITY OF ELEMENTARY SCHOOL TOWN HALL AMESBURY, MA 01913 Additional Owners:	2 Above Street 4 Rolling	1 All Public	1 Paved 5 Curb & Gutter 6 Sidewalk	1 Urban

SUPPLEMENTAL DATA

Other ID:	00046 00000 00019
Sub-Div	
Spec.Cond.	
OWNER OCCU	
ABC	F01 F00 F96 F98
NUMBER	
GIS ID: 4186	
Use Change	
Original Lot	
NOTES	1265
STYLE	
CHAPTER L	
ASSOC PID#	

CURRENT ASSESSMENT

Description	Code	Appraised Value	Assessed Value
EXEMPT	9340	5,146,400	5,146,400
EXM LAND	9340	1,094,400	1,094,400
EXEMPT	9340	38,300	38,300
		Total	6,279,100	6,279,100

101
AMESBURY, MA

VISION

RECORD OF OWNERSHIP

	BK-VOL/PAGE	SALE DATE	q/u	v/i	SALE PRICE	V.C.
AMESBURY CITY OF					0	
GOULD EDWARD W	5324/ 200	12/30/1965			0	

PREVIOUS ASSESSMENTS (HISTORY)

Yr.	Code	Assessed Value	Yr.	Code	Assessed Value	Yr.	Code	Assessed Value
2018	9340	5,146,400	2017	9340	5,146,400	2016	9340	5,138,300
2018	9340	1,094,400	2017	9340	1,055,000	2016	9340	956,800
2018	9340	38,300	2017	9340	38,300	2016	9340	38,300
		Total: 6,279,100			Total: 6,239,700			Total: 6,133,400

EXEMPTIONS

Year	Type	Description	Amount
		Total:	

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm. Int.

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD

NBHD/ SUB	NBHD NAME	STREET INDEX NAME	TRACING	BATCH
0001/A				

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	5,005,500
Appraised XF (B) Value (Bldg)	140,900
Appraised OB (L) Value (Bldg)	38,300
Appraised Land Value (Bldg)	1,094,400
Special Land Value	0
Total Appraised Parcel Value	6,279,100
Valuation Method:	C
Adjustment:	0
Net Total Appraised Parcel Value	6,279,100

NOTES

ELEMENTARY SCHOOL
MODULAR CLASS ROOMS RIGHT SIDE = ANGLED

BUILDING PERMIT RECORD

Permit ID	Issue Date	Type	Description	Amount	Insp. Date	% Comp.	Date Comp.	Comments
20090118	09/15/2008	AB	Accessory Bldg	2,927		0		8X16 GREENHOUSE
04-79	08/12/2003	RE	Remodel	0		0		MOVE LIBRARY WAL
02-315	02/27/2002	AD	Addition	0	09/17/2002	100	03/15/2002	SIGN AS APPROVED B
97-153	04/28/1997	AD	Addition	100,000	09/03/1998	100	06/30/1998	ADD 2 CLASSRMS
95-114	04/20/1995	CM	Commercial	165,000	09/01/1995	100	06/30/1995	MODULAR C

VISIT/ CHANGE HISTORY

Date	Type	IS	ID	Cd.	Purpose/Result
8/24/2016			CW	ML	Measure & List
8/3/2016			CW	EI	Exterior Inspection
3/28/2007			RD	00	Measur+Listed
9/3/1998			HF	UC	Uncomplete Construction
9/4/1997			HF	BP	Building Permit

LAND LINE VALUATION SECTION

B #	Use Code	Use Description	Zone	D	Frontage	Depth	Units		Unit Price	I. Factor	S.A.	Acre Disc	C. Factor	ST. Idx	Adj.	Notes- Adj	Special Pricing	Adj. Unit Price	Land Value
1	9340	Education C	OSC		950	600	43,560	SF	3.36	1.04	A	1.0000	1.00	0900	1.00	SITE SIZE = 5X L/B		3.49	152,200
1	9340	Education C	OSC		950	600	5.70	AC	152,300.00	1.00	0	1.0000	1.00	0900	1.00			152,300.00	868,100
1	9340	Education C	OSC				7.41	AC	10,000.00	1.00	0	1.0000	1.00		0.00			10,000.00	74,100
							Total Card Land Units:	14.11	AC	Parcel Total Land Area:	614,632 SF							Total Land Value:	1,094,400

24 SOUTH HAMPTON - 300



Information on this Map is Compiled and Maintained for Assessing Purposes Only

GEOGRAPHIC INFORMATION SYSTEM
VISION APPRAISAL TECHNOLOGY

N

1434
SCHWAB CHRISTINE
STEPHEN COOKE T/E
1 ALLSTON ST
AMESBURY, MA 01913

1442
DORAN BARBARA
C/O JAMES P CLEARY III
345 MAIN ST
HAVERHILL, MA 01830

1482
BISHOP KAYLIE N
JUDITH MAE MILLS J/T
25 ARLINGTON ST
AMESBURY, MA 01913

1441
HALPIN JANET L
18 BAYBERRY LANE
DERRY, NH 03038

1440
WILLIAM F STOCKER REVOCABLE
WILLIAM F STOCKER (TRUSTEE0
484 HUMPHREY STREET
SWAMPSCOTT, MA 01907

1483
MARTIN JOHN D
SHEILA J MARTIN J/T
29 ARLINGTON ST
AMESBURY, MA 01913

1439
MOISAN JR JOSEPH A
MARY E MOISAN T/E
30 ARLINGTON ST
AMESBURY, MA 01913

1484
ROGACKI DONNA J
33 ARLINGTON ST
AMESBURY, MA 01913

4183
BOUCHARD JOSHUA E
ERIKA M BOUCHARD T/C
44 ARLINGTON ST
AMESBURY, MA 01913

1548
ARTHUR ERIC A
45 ARLINGTON ST
AMESBURY, MA 01913

4182
BRADLEE FORD REALTY TRUST
BRADLEY & MARY FORD (TRUSTEES)
46 ARLINGTON ST
AMESBURY, MA 01913

1436
DESCHENES JACQUELINE
4 MONCRIEF STREET
AMESBURY, MA 01913

1435
DESCHENES RAYMOND A
KATHRYN M T/E
49 ARLINGTON ST
AMESBURY, MA 01913

4181
DESROCHE DARREN K
50 ARLINGTON ST
AMESBURY, MA 01913

1437
PETERSEN LESTER MICHAEL
CAROL PETERSEN T/E
51 ARLINGTON ST
AMESBURY, MA 01913

4196
ALPHONSE THOMAS M
JEANINE A ALPHONSE
52 ARLINGTON ST
AMESBURY, MA 01913

4199
VALLE ERVINO J
34 VALLEY VIEW FARM ROAD
BRADFORD, MA 01835

4195
SULLIVAN JOHN F
JOANNE M SULLIVAN J/T
31 FERN AVE
AMESBURY, MA 01913

4198
KIMBALL KEVIN P
KATHLEEN C BRENNAN
55 ARLINGTON ST
AMESBURY, MA 01913

4180
CURRAN SEAN D
KIMBERLY J CURRAN
56 ARLINGTON ST
AMESBURY, MA 019131721

103655
MASSAUA JOHN R
TRST OF J REALTY TRST
1 ATLANTIC VIEW
AMESBURY, MA 01913

103658
THOMAS ANDREW J
NANCY THOMAS (TE)
10 ATLANTIC VIEW
AMESBURY, MA 01913

103851
BRICKLEY STEPHEN C
BETTY A BRICKLEY
11 ATLANTIC VIEW
AMESBURY, MA 01913

103862
THE MARJORIE LORDE CYPRES TRUST
THE MARJORIE LORDE CYPRES
12 ATLANTIC VIEW
AMESBURY, MA 01913

104107
HICKEY CYNTHIA J
13 ATLANTIC VIEW
AMESBURY, MA 01913

103660
ANDERSON ROBERT R
CAROL M ANDERSON
14 ATLANTIC VIEW
AMESBURY, MA 01913

103661
ALBERTA J ELLIS TRUST
C/O PAUL MARION & ROSEMARY NOON
15 ATLANTIC VIEW
AMESBURY, MA 01913

103662
JOSEPH A VITKA REVOCABLE TRUST OF
JOSEPH A VITKA (TRUSTEE)
16 ATLANTIC VIEW
AMESBURY, MA 01913

103657
TOOMEY CATHERINE M.
PAUL J. GAGLIARDI J/T
2 ATLANTIC VIEW
AMESBURY, MA 01913

104227
CUFF DONALD J
REGINA T CUFF (TE)
4 ATLANTIC VIEW
UNIT 4
AMESBURY, MA 01913

104228
DEMORE VINCENT J JR
DAWN L DEMORE T/E
5 ATLANTIC VIEW
AMESBURY, MA 01913

103883
JACQUES SHERRY M
STEPHEN J WISSEL T/E
6 ATLANTIC VIEW
AMESBURY, MA 01913

103884
PARISI PHILIP M
JOHN J HOLLAND J/T
7 ATLANTIC VIEW
AMESBURY, MA 01913

103885
JOANNE M MARKOS REVOCABLE
JOANNE M MARKOS (TRUSTEE)
36 DANA ROAD
BOXFORD, MA 01921

103886
THE HELEN G MALDINI REVOCABLE
HELEN G MALDINI (TRUSTEE)
9 ATLANTIC VIEW
AMESBURY, MA 01913

103571
AMESBURY CITY OF
62 FRIEND ST
AMESBURY, MA 01913

2302
DIPINTO LOUIS M JR
ANDREA DIPINTO T/E
68 CLINTON STREET
AMESBURY, MA 01913

2301
MARCIN FAMILY REVOCABLE TRUST
C/O JOHN J & JUDITH A MARCIN
35 S HAMPTON RD
AMESBURY, MA 01913

6610
PROPERTY INVESTMENT GROUP NEW
C/O ROBERT FRECCERO
293 HAVERHILL STREET
NORTH READING, MA 01864

2196
WEDGE POND REALTY CORPORATION
PO BOX 151
LYNNFIELD, MA 01940

2197
THEBERGE WILFRED J
ELAINE J THEBERGE
138 MARKET ST
AMESBURY, MA 01913

2198
TARZIA FAMILY TRUST
HARRY & SCOTT TARZIA (TRUSTEES)
140 MARKET ST
AMESBURY, MA 01913

2200
DONOVAN KEVIN F
SUSAN M COSTA J/T
142 MARKET ST
AMESBURY, MA 01913

2201
ROAF RICHARD J JR
JEAN ROAF T/E
144 MARKET STREET
AMESBURY, MA 01913

2204
PRISBY GAIL
146 A MARKET ST
AMESBURY, MA 01913

2205
PRISBY GAIL F
146 1/2 MARKET ST
AMESBURY, MA 01913

2203
BLAKE GARY ALAN
CHERYL ANN BLAKE J/T
146 MARKET ST
AMESBURY, MA 01913

1431
MACINTIRE SCOTT A
JENNIFER L MACINTIRE T/E
95 PROSPECT ST
AMESBURY, MA 01913

1537
BLOOM BRUCE A
LINDA M BLOOM T/E
97 PROSPECT ST
AMESBURY, MA 01913

4187
PIERCE W SCOTT
JEAN PILLA
99 PROSPECT ST
AMESBURY, MA 01913

6696
HOVEY GALEEN B
RUTH T HOVEY J/T
36 EAST PARK AVENUE
LYNN, MA 01902

4184
RICHARDSON JOHN M
C/O J&A RICHARDSON FAMILY REVOC
10 ROWELL ST
AMESBURY, MA 01913

6690
WARREN WAYNE E
KATHERINE K WARREN T/E
11 ROWELL ST
AMESBURY, MA 01913

4197
CONCHIERE MARK E
DIANA R CONCHIERI T/E
14 ROWELL ST
AMESBURY, MA 01913

4200
LAVENSON DEBRA L
DONALD ROUTHIER T/E
16 ROWELL ST
AMESBURY, MA 01913

4201
LABRANCHE ALAN D
DEBORAH W LABRANCHE T/E
18 ROWELL STREET
AMESBURY, MA 01913

6695
FLYNN PAUL N
PATRICIA N FLYNN T/E
3 ROWELL ST
AMESBURY, MA 01913

6746
DIGRAZIA JOSEPH A
JENNIFER E DIGRAZIA T/E
4 ROWELL ST
AMESBURY, MA 01913

6694
PIECHOCKI BRIAN K
DONNA J PIECHOCKI T/E
5 ROWELL ST
AMESBURY, MA 01913

4185
ROWELL SIX INC
P.O. BOX 548 - 5 PERRY WAY
NEWBURYPORT, MA 01950

6692
NADEAU MICHAEL J
MICHELLE L KEHOE J/T
7 ROWELL ST
AMESBURY, MA 01913

6691
MORRIS MARY ELLEN
9 ROWELL ST
AMESBURY, MA 01913

1459
NUNES PETER
JUDITH NUNES
10 S HAMPTON RD
AMESBURY, MA 01913

1460
MCDONOUGH BRUCE W
12 S HAMPTON RD
AMESBURY, MA 01913

2188
MARIE LOUISE BASTIEN FAMILY TRUST
RONALD A BASTIEN (TRUSTEE)
13 S HAMPTON RD
AMESBURY, MA 01913

6747
HUME AUBRIE
DOMINIC GALLAGHER
14 S HAMPTON RD
AMESBURY, MA 01913

6678
WALKER RANDI D
17 S HAMPTON RD
AMESBURY, MA 01913

2186
LOIS NIHAN
19 S HAMPTON RD
AMESBURY, MA 01913

2185
PICHE JR LOUIS N
KAREN R PICHE T/E
21 S HAMPTON RD
AMESBURY, MA 01913

2184
DANIS OLIVER J
23 S HAMPTON ROAD
AMESBURY, MA 01913

2210
MOODY SEAN W
AMY B DUNLOP J/T
25 S HAMPTON RD
AMESBURY, MA 01913

2199
TURNING POINT INC
PO BOX 548
NEWBURYPORT, MA 01950

2297
MEDVITZ MARCIA A
29 S HAMPTON RD
AMESBURY, MA 01913

2298
CUSSON KEVIN
ALLISON CUSSON
31 S HAMPTON RD
AMESBURY, MA 01913

2299
LINDA G JENSEN IRREVOCABLE TRUST
LINDA G JENSEN
33 S HAMPTON RD
AMESBURY, MA 01913

4193
RICHMOND GLEN ALAN
KATHLEEN G RICHMOND T/E
34 S HAMPTON RD
AMESBURY, MA 01913

2300
MARCIN FAMILY REVOCABLE TRUST
C/O JOHN J AND JUDITH A
35 S HAMPTON RD
AMESBURY, MA 01913

4194
DUBOC ELIZABETH
36 S HAMPTON RD
AMESBURY, MA 01913

4207
BROWN JONATHAN D
RHEA BROWN T/E
38 S HAMPTON RD
AMESBURY, MA 01913

1453
LAMANUZZI KAREN A
4 S HAMPTON RD
AMESBURY, MA 01913

4189
AMESBURY CITY OF
62 FRIEND ST
AMESBURY, MA 01913

1457
ROY DONALD E
CLAIRE F ROY
8 S HAMPTON ROAD
AMESBURY, MA 01913

2189
MARIE LOUISE BASTIEN FAMILY TRUST
9 S HAMPTON RD
AMESBURY, MA 01913

2311
DIERKES LEE
DONNA DIERKES T/E
160 WILDE GREEN DR
ROSWELL, GA 30075

2295
MESINA JOSHUA M
CASET B HEWSON J/T
2 STUART ST
AMESBURY, MA 01913

2310
MARSHALL KEVIN J
SHAYNA MARSHALL (TE)
3 STUART ST
AMESBURY, MA 01913

24 SOUTH HAMPTON - 300'
AMESBURY, MA

AV PID	Map	Lot	Unit	Location	Owner's Name	Co_Owner's Name	Address	City	ST Zip	Book/Page
1434	39	168		1 ALLSTON ST	SCHWAB CHRISTINE	STEPHEN COOKE T/E	1 ALLSTON ST	AMESBURY	MA 01913	35738/ 171
1442	40	21		24 ARLINGTON ST	DORAN BARBARA	C/O JAMES P CLEARY III	345 MAIN ST	HAVERHILL	MA 01830	9?P2030ADI
1482	40	26		25 ARLINGTON ST	BISHOP KAYLIE N	JUDITH MAE MILLS J/T	25 ARLINGTON ST	AMESBURY	MA 01913	32711/ 463
1441	40	22		26 ARLINGTON ST	HALPIN JANET L		18 BAYBERRY LANE	DERRY	NH 03038	30460/ 252
1440	40	23		28 ARLINGTON ST	WILLIAM F STOCKER REVOCABLE TR	WILLIAM F STOCKER (TRUSTEE0	484 HUMPHREY STREET	SWAMPSCOTT	MA 01907	33217/ 190
1483	40	25		29 ARLINGTON ST	MARTIN JOHN D	SHEILA J MARTIN J/T	29 ARLINGTON ST	AMESBURY	MA 01913	17144/ 334
1439	40	24		30 ARLINGTON ST	MOISAN JR JOSEPH A	MARY E MOISAN T/E	30 ARLINGTON ST	AMESBURY	MA 01913	10614/0182
1484	39	176		33 ARLINGTON ST	ROGACKI DONNA J		33 ARLINGTON ST	AMESBURY	MA 01913	34974/ 531
4183	39	174		44 ARLINGTON ST	BOUCHARD JOSHUA E	ERIKA M BOUCHARD T/C	44 ARLINGTON ST	AMESBURY	MA 01913	30602/ 201
1548	39	169		45 ARLINGTON ST	ARTHUR ERIC A		45 ARLINGTON ST	AMESBURY	MA 01913	22372/ 24
4182	39	173		46 ARLINGTON ST	BRADLEE FORD REALTY TRUST	BRADLEY & MARY FORD (TRUSTEES)	46 ARLINGTON ST	AMESBURY	MA 01913	32308/ 269
1436	39	170		47 ARLINGTON ST	DESCHENES JACQUELINE		4 MONCRIEF STREET	AMESBURY	MA 01913	23405/ 423
1435	39	171		49 ARLINGTON ST	DESCHENES RAYMOND A	KATHRYN M T/E	49 ARLINGTON ST	AMESBURY	MA 01913	22087/ 374
4181	25	13		50 ARLINGTON ST	DESROCHE DARREN K		50 ARLINGTON ST	AMESBURY	MA 01913	35026/ 550
1437	39	172		51 ARLINGTON ST	PETERSEN LESTER MICHAEL	CAROL PETERSEN T/E	51 ARLINGTON ST	AMESBURY	MA 01913	15488/ 459
4196	25	25		52 ARLINGTON ST	ALPHONSE THOMAS M	JEANINE A ALPHONSE	52 ARLINGTON ST	AMESBURY	MA 01913	34102/ 220
4199	25	24		53 ARLINGTON ST	VALLE ERVINO J		34 VALLEY VIEW FARM ROAD	BRADFORD	MA 01835	28839/ 419
4195	25	10		54 ARLINGTON ST	SULLIVAN JOHN F	JOANNE M SULLIVAN J/T	31 FERN AVE	AMESBURY	MA 01913	12523/0158
4198	25	12		55 ARLINGTON ST	KIMBALL KEVIN P	KATHLEEN C BRENNAN	55 ARLINGTON ST	AMESBURY	MA 01913	34978/ 481
4180	25	11		56 ARLINGTON ST	CURRAN SEAN D	KIMBERLY J CURRAN	56 ARLINGTON ST	AMESBURY	MA 019131	11775/ 490
103655	25	101		1 ATLANTIC VIEW	MASSAUA JOHN R	TRST OF J REALTY TRST	1 ATLANTIC VIEW	AMESBURY	MA 01913	28928/ 218
103658	25	110		10 ATLANTIC VIEW	THOMAS ANDREW J	NANCY THOMAS (TE)	10 ATLANTIC VIEW	AMESBURY	MA 01913	33389/ 475
103851	25	111		11 ATLANTIC VIEW	BRICKLEY STEPHEN C	BETTY A BRICKLEY	11 ATLANTIC VIEW	AMESBURY	MA 01913	25107/ 366
103862	25	112		12 ATLANTIC VIEW	THE MARJORIE LORDE CYPRES TRUS	THE MARJORIE LORDE CYPRES (TRU	12 ATLANTIC VIEW	AMESBURY	MA 01913	34575/ 352
104107	25	113		13 ATLANTIC VIEW	HICKEY CYNTHIA J		13 ATLANTIC VIEW	AMESBURY	MA 01913	26669/ 543
103660	25	114		14 ATLANTIC VIEW	ANDERSON ROBERT R	CAROL M ANDERSON	14 ATLANTIC VIEW	AMESBURY	MA 01913	24368/ 320
103661	25	115		15 ATLANTIC VIEW	ALBERTA J ELLIS TRUST	C/O PAUL MARION & ROSEMARY WOO	15 ATLANTIC VIEW	AMESBURY	MA 01913	33088/ 288
103662	25	116		16 ATLANTIC VIEW	JOSEPH A VITKA REVOCABLE TRUST	JOSEPH A VITKA (TRUSTEE)	16 ATLANTIC VIEW	AMESBURY	MA 01913	35247/ 140
103657	25	102		2 ATLANTIC VIEW	TOOMEY CATHERINE M.	PAUL J. GAGLIARDI J/T	2 ATLANTIC VIEW	AMESBURY	MA 01913	24628/ 458
104227	25	104		4 ATLANTIC VIEW	CUFF DONALD J	REGINA T CUFF (TE)	4 ATLANTIC VIEW	AMESBURY	MA 01913	32958/ 519
104228	25	105		5 ATLANTIC VIEW	DEMORE VINCENT J JR	DAWN L DEMORE T/E	5 ATLANTIC VIEW	AMESBURY	MA 01913	27207/ 557
103883	25	106		6 ATLANTIC VIEW	JACQUES SHERRY M	STEPHEN J WISSEL T/E	6 ATLANTIC VIEW	AMESBURY	MA 01913	30767/ 554
103884	25	107		7 ATLANTIC VIEW	PARISI PHILIP M	JOHN J HOLLAND J/T	7 ATLANTIC VIEW	AMESBURY	MA 01913	25781/ 74

24 SOUTH HAMPTON - 300'
AMESBURY, MA

AV PID	Map	Lot	Unit	Location	Owner's Name	Co_Owner's Name	Address	City	ST	Zip	Book/Page
103885	25	108		8 ATLANTIC VIEW	JOANNE M MARKOS REVOCABLE TRUS	JOANNE M MARKOS (TRUSTEE)	36 DANA ROAD	BOXFORD	MA	01921	33605/ 388
103886	25	109		9 ATLANTIC VIEW	THE HELEN G MALDINI REVOCABLE	HELEN G MALDINI (TRUSTEE)	9 ATLANTIC VIEW	AMESBURY	MA	01913	34992/ 355
103571	25	7	#	ATLANTIC VIEW #REAR	AMESBURY CITY OF		62 FRIEND ST	AMESBURY	MA	01913	25092/ 178
2302	26	91		68 CLINTON ST	DIPINTO LOUIS M JR	ANDREA DIPINTO T/E	68 CLINTON STREET	AMESBURY	MA	01913	07160/0445
2301	26	92		70 CLINTON ST	MARCIN FAMILY REVOCABLE TRUST	C/O JOHN J & JUDITH A MARCIN (	35 S HAMPTON RD	AMESBURY	MA	01913	35649/ 210
6610	26	11		71 CLINTON ST	PROPERTY INVESTMENT GROUP NEW	C/O ROBERT PRECCERO	293 HAVERHILL STREET	NORTH READIN	MA	01864	29396/ 189
2196	26	68		130 MARKET ST	WEDGE POND REALTY CORPORATION		PO BOX 151	LYNNFIELD	MA	01940	27011/ 377
2197	26	69		138 MARKET ST	THEBERGE WILFRED J	ELAINE J THEBERGE	138 MARKET ST	AMESBURY	MA	01913	03833/0026
2198	26	70		140 MARKET ST	TARZIA FAMILY TRUST	HARRY & SCOTT TARZIA [TRUSTEES	140 MARKET ST	AMESBURY	MA	01913	32020/ 144
2200	26	71		142 MARKET ST	DONOVAN KEVIN F	SUSAN M COSTA J/T	142 MARKET ST	AMESBURY	MA	01913	16152/ 527
2201	26	72		144 MARKET ST	ROAF RICHARD J JR	JEAN ROAF T/E	144 MARKET STREET	AMESBURY	MA	01913	07203/0305
2204	26	74		146 MARKET ST #A	PRISBY GAIL		146 A MARKET ST	AMESBURY	MA	01913	28575/ 152
2205	26	101		146 MARKET ST #B	PRISBY GAIL F		146 1/2 MARKET ST	AMESBURY	MA	01913	30187/ 240
2203	26	73		146 MARKET ST	BLAKE GARY ALAN	CHERYL ANN BLAKE J/T	146 MARKET ST	AMESBURY	MA	01913	13577/ 551
1431	25	14		95 PROSPECT ST	MACINTIRE SCOTT A	JENNIFER L MACINTIRE T/E	95 PROSPECT ST	AMESBURY	MA	01913	36073/ 144
1537	25	15		97 PROSPECT ST	BLOOM BRUCE A	LINDA M BLOOM T/E	97 PROSPECT ST	AMESBURY	MA	01913	18043/ 454
4187	25	26		99 PROSPECT ST	PIERCE W SCOTT	JEAN PILLA	99 PROSPECT ST	AMESBURY	MA	01913	34852/ 394
6696	26	1		1 ROWELL ST	HOVEY GALEEN B	RUTH T HOVEY J/T	36 EAST PARK AVENUE	LYNN	MA	01902	35505/ 532
4184	26	3		10 ROWELL ST	RICHARDSON JOHN M	C/O J&A RICHARDSON FAMILY REVO	10 ROWELL ST	AMESBURY	MA	01913	17367/ 527
6690	40	5	A	11 ROWELL ST	WARREN WAYNE E	KATHERINE K WARREN T/E	11 ROWELL ST	AMESBURY	MA	01913	14338/ 315
4197	25	3		14 ROWELL ST	CONCHIERE MARK E	DIANA R CONCHIERI T/E	14 ROWELL ST	AMESBURY	MA	01913	16462/ 502
4200	40	1		16 ROWELL ST	LAVENSON DEBRA L	DONALD ROUTHIER T/E	16 ROWELL ST	AMESBURY	MA	01913	26570/ 352
4201	39	175		18 ROWELL ST	LABRANCHE ALAN D	DEBORAH W LABRANCHE T/E	18 ROWELL STREET	AMESBURY	MA	01913	07268/0149
6695	40	2		3 ROWELL ST	FLYNN PAUL N	PATRICIA N FLYNN T/E	3 ROWELL ST	AMESBURY	MA	01913	19213/ 442
6746	26	2	A	4 ROWELL ST	DIGRAZIA JOSEPH A	JENNIFER E DIGRAZIA T/E	4 ROWELL ST	AMESBURY	MA	01913	14086/ 41
6694	40	3		5 ROWELL ST	PIECHOCKI BRIAN K	DONNA J PIECHOCKI T/E	5 ROWELL ST	AMESBURY	MA	01913	12215/ 531
4185	26	2		6 ROWELL ST	ROWELL SIX INC		P.O. BOX 548 - 5 PERRY WA	NEWBURYPORT	MA	01950	15888/ 182
6692	40	4		7 ROWELL ST	NADEAU MICHAEL J	MICHELLE L KEHOE J/T	7 ROWELL ST	AMESBURY	MA	01913	12243/ 436
6691	40	5		9 ROWELL ST	MORRIS MARY ELLEN		9 ROWELL ST	AMESBURY	MA	01913	19164/ 207
1459	40	6	A	10 S HAMPTON RD	NUNES PETER	JUDITH NUNES	10 S HAMPTON RD	AMESBURY	MA	01913	16493/ 264
1460	40	6		12 S HAMPTON RD	MCDONOUGH BRUCE W		12 S HAMPTON RD	AMESBURY	MA	01913	28533/ 515
2188	26	67		13 S HAMPTON RD	MARIE LOUISE BASTIEN FAMILY TR	RONALD A BASTIEN (TRUSTEE)	13 S HAMPTON RD	AMESBURY	MA	01913	36203/ 466
6747	26	2	B	14 S HAMPTON RD	HUME AUBRIE	DOMINIC GALLAGHER	14 S HAMPTON RD	AMESBURY	MA	01913	33896/ 371

24 SOUTH HAMPTON - 300'
AMESBURY, MA

AV PID	Map	Lot	Unit	Location	Owner's Name	Co_Owner's Name	Address	City	ST Zip	Book/Page
6678	26	83	A	17 S HAMPTON RD	WALKER RANDI D		17 S HAMPTON RD	AMESBURY	MA 01913	33779/ 091
2186	26	83		19 S HAMPTON RD	LOIS NIHAN		19 S HAMPTON RD	AMESBURY	MA 01913	20341/ 283
2185	26	82		21 S HAMPTON RD	PICHE JR LOUIS N	KAREN R PICHE T/E	21 S HAMPTON RD	AMESBURY	MA 01913	25715/ 207
2184	26	81		23 S HAMPTON RD	DANIS OLIVER J		23 S HAMPTON ROAD	AMESBURY	MA 01913	05265/0398
2210	26	80		25 S HAMPTON RD	MOODY SEAN W	AMY B DUNLOP J/T	25 S HAMPTON RD	AMESBURY	MA 01913	26219/ 179
2199	26	97		27 S HAMPTON RD	TURNING POINT INC		PO BOX 548	NEWBURYPORT	MA 01950	16416/ 401
2297	26	96		29 S HAMPTON RD	MEDVITZ MARCIA A		29 S HAMPTON RD	AMESBURY	MA 01913	21108/ 454
2298	26	95		31 S HAMPTON RD	CUSSON KEVIN	ALLISON CUSSON	31 S HAMPTON RD	AMESBURY	MA 01913	34824/ 002
2299	26	94		33 S HAMPTON RD	LINDA G JENSEN IRREVOCABLE TRU	LINDA G JENSEN	33 S HAMPTON RD	AMESBURY	MA 01913	34303/ 118
4193	26	5		34 S HAMPTON RD	RICHMOND GLEN ALAN	KATHLEEN G RICHMOND T/E	34 S HAMPTON RD	AMESBURY	MA 01913	15680/ 499
2300	26	93		35 S HAMPTON RD	MARCIN FAMILY REVOCABLE TRUST	C/O JOHN J AND JUDITH A MARCIN	35 S HAMPTON RD	AMESBURY	MA 01913	35601/ 329
4194	26	6		36 S HAMPTON RD	DUBOC ELIZABETH		36 S HAMPTON RD	AMESBURY	MA 01913	29093/ 1
4207	25	8		38 S HAMPTON RD	BROWN JONATHAN D	RHEA BROWN T/E	38 S HAMPTON RD	AMESBURY	MA 01913	29094/ 369
1453	40	9		4 S HAMPTON RD	LAMANUZZI KAREN A		4 S HAMPTON RD	AMESBURY	MA 01913	20843/ 417
4189	25	7		44 S HAMPTON RD #R	AMESBURY CITY OF		62 FRIEND ST	AMESBURY	MA 01913	29518/ 384
1457	40	7		8 S HAMPTON RD	ROY DONALD E	CLAIRE F ROY	8 S HAMPTON ROAD	AMESBURY	MA 01913	05459/0528
2189	26	67	A	9 S HAMPTON RD	MARIE LOUISE BASTIEN FAMILY TR		9 S HAMPTON RD	AMESBURY	MA 01913	36282/ 259
2311	26	98		1 STUART ST	DIERKES LEE	DONNA DIERKES T/E	160 WILDS GREEN DR	ROSWELL	GA 30075	32513/ 439
2295	26	79		2 STUART ST	MESINA JOSHUA M	CASET B HEWSON J/T	2 STUART ST	AMESBURY	MA 01913	30361/ 32
2310	26	99		3 STUART ST	MARSHALL KEVIN J	SHAYNA MARSHALL (TE)	3 STUART ST	AMESBURY	MA 01913	33465/ 590

Parcel Count: 86

THE BOARD OF ASSESSORS OF THE TOWN OF AMESBURY, MA HEREBY CERTIFIES THAT THIS LIST OF ABUTTERS IS THE MOST RECENT APPLICABLE TAX LIST AS REQUIRED BY CHAPTER 40A, SECTION 11 OF THE MASSACHUSETTS GENERAL LAWS AS AMENDED

Dana Crowell

NOTIFICATION TO ABUTTERS
UNDER THE
MASSACHUSETTS WETLANDS PROTECTION ACT
AND AMESBURY WETLANDS PROTECTION BYLAW

In accordance with the Massachusetts General Laws, Chapter 131, Section 40, and the Amesbury Wetlands Protection Bylaw, you area hereby notified of the following:

The Amesbury Conservation Commission will hold a public hearing on

August 6, 2018 **(date), at** 6:30 pm **(time), located at** 62 Friend Street **(hearing location),**

Amesbury, to consider an Abbreviated Notice of Wetland Resource Delineation **(application) submitted by** the City of Amesbury **(applicant)**

Mayor Ken Gray **(applicant), to** Determine the boundaries of the Wetlands **(brief description of the proposed project)**

Resource Areas **at**

The Amesbury Elementary School at 24 South Hampton Road, Amesbury, MA.

(project location)

Hearings begin at 6:30. For more information concerning the date, time or place of hearing, contact the Conservation Commission at 978-388-8110.

Arrangements to examine copies of the filling may be made by calling the Conservation Commission at 978-388-8110. Copies may be available for a fee.

Further information regarding the hearing, or the Wetlands Protection Act, may be obtained from the Conservation Commission at 978-388-8110.

NOTE: Notice of the public hearing, including its date, time, and place will be posted in Town Hall not less than 48 hours in advance.

NOTE: Notice of the public hearing, including its date, time, and place will be published in the Newburyport Daily News not less than 5 business days prior to the public hearing.

NOTE: You may also contact the Amesbury Conservation Commission or the Department of Environmental Protection (DEP) Wetlands Division- Northeast Regional Office (NERO) for more information about this application or the Wetlands Protection Act. The DEP, Northeast Regional Office can be reached at 617-654-6500.

DGT Associates
Surveying & Engineering

1071 Worcester Rd.
Framingham, MA 01701
508.879.0030
www.dgtassociates.com

25286

AMESBURY ELEMENTARY SCHOOL

ANRAD FILING

ATTACHMENT 3

WETLAND DELINEATION REPORT

Dated 7/12/18 by DGT Associates

DGT Associates
Surveying & Engineering

1071 Worcester Rd.
Framingham, MA 01701
508.879.0030
www.dgtassociates.com

July 12, 2018 25286

Donna DiNisco
DiNisco Design
99 Chauncy Street, Suite 901
Boston, MA 02111

RE: Amesbury Elementary School – Wetland Resource Area Delineation

Dear Ms. DiNisco,

DGT Associates performed a field delineation of the boundaries of the Bordering Vegetated Wetlands and certain stream banks at the subject property on May 29, 2018, and additional data was collected on July 11, 2018. The delineations were performed by this writer, Fredric King, Senior Wetland Specialist.

The delineations were performed to define Wetlands Resource Area Boundaries under the Mass. Wetlands Protection Act and the Amesbury Wetlands Ordinance for use in a feasibility study for planning of a potential expansion / redevelopment of the existing school. Following the field delineation, the flags were survey located by the project surveyor (Hancock Associates) who then produced the plan showing the delineation in Attachment 5.

The delineation included the portions of the wetland resource area boundaries that would be necessary to define the regulated areas that would affect a project in the front portion of the site. This included the south side of an intermittent stream along the northerly property line and the easterly side of the Bordering Vegetated Wetlands located in the north and west portion of the site. The opposite side of the wetlands away from any proposed development was not delineated for this study.

During the site visit on July 11, 2018, it was found that the intermittent stream across South Hampton Road from the site would also be within 100 feet of the project site, so this was delineated at that time and the information is included in this report.

GENERAL SITE DESCRIPTION:

The project site is a 14 acre tract of Town owned property at 24 South Hampton Road in Amesbury, MA containing the existing Amesbury Elementary School building and associated driveways, parking areas, play areas, ball field and utilities. The front (easterly) half of the property is relatively flat and is developed for the School facilities and ball field. The western

half of the property is a steep wooded hillside and is undeveloped except for a walking trail and a drain ditch that was built with the school building in the 1960s.

The property is located at the easterly base of Powwow Hill and the wetlands and intermittent streams at the site are part of an un-named stream system that is tributary to the Back River located approximately 0.75 miles downstream from the site.

SOILS

The NRCS Web Soil Survey[1] indicates near-surface soils (within about 70 inches from ground surface) at the easterly developed portion of the site are in an area of lacustrine deposits (old lake bottom and outwash plains) that are poorly drained, fine silty and clayey soils with a seasonal high water table at or near the surface.

The wooded hillside in the western portion of the site is a glacial till soil that is moderately well drained sandy loam soil with a seasonal high groundwater of approximately 42 inches with inclusions of hydric soils following local drainage ways.

The following soil types are mapped by NRCS on the site:

- **Udorthents Smoothed Series**: This is located over the entire developed easterly portion of the site. The manmade features have changed the natural soil conditions due to excavation, grading and filling. Based on the types of soils in the adjacent areas with less disturbance and the conditions observed during our site visit in late February, 2018, the underlying soils are likely to be Maybid Series soils in the northern portion of the site in the play fields and along the very eastern portion along the road frontage. The area at the building and parking lot are likely to be Sutton or Scantic Series that were partially excavated and filled to level the area for the building and parking areas.

  The Maybid soils are silty and clayey soils that are poorly drained, fine silty and clayey soils with a seasonal high water table at or near the surface. The Scantic Series soils are relatively level, poorly drained soils. The subsoil is a silt loam and the underlying substratum is a grey, mottled silty clay loam with a seasonal high water table within 12 inches of the surface. Both the Maybid and Scantic soils have slow to very slow permeability. These soils in natural conditions are typically vegetated wetland areas along stream systems

  The Sutton Series are likely along the base of the slope to the rear of the building. These were likely cut to level the area for the rear portion of the building and rear yard area. Under natural conditions, these soils have a seasonal high water table at approximately 42 inches, but are likely shallower now due to the excavation into the hillside that took place

for the existing school development. These soils are deep and relatively permeable sandy loam. See the description of the Sutton soils below.

- **Sutton Series:** Located in the lower hillside in the wooded western portion of the site. They are moderately well drained glacial till soils on uplands consisting of sandy loams to loamy sands with moderate to moderately rapid permeability. Seasonal high groundwater levels are typically in the substratum at a depth of about 42 inches below the surface. These soils on hillsides do typically have inclusions of wetland soils along surface drainage ways draining the hillside.

During our field visits, we noted that a drainage ditch had been constructed on the hillside behind the school that drains northerly and into the wetlands off the north portion of the site. This drain was part of the construction of the school construction project plans in 1966. This was likely done as an attempt to drain off surface and groundwater to relieve some of the wetness at the front portion of the site. Based on the nature of the soils, this would be successful in reducing surface runoff from the hillside to the school site, but would not likely have any significant relief to the wet groundwater conditions at the front of the site.

We further noted that the City owned property to the north of the subject site is an undeveloped area with nearly identical topographic and soil characteristic as the school site, but is still in the natural state. We walked that site found that the lower portion was largely vegetated wetlands and the wetland areas extended up the hillside along the drainage ways.

During site visits in March and April, it was noted that portions of the grass play field were wet with shallow ponding in low areas. In May, the field mowing was avoiding the low portions of the fields that were wet and soft. Based on the above information and these observations, it is clear that much of the area that is now the play fields in the northern portion of the site were wetlands prior that were filled and graded to form the grassed areas before there were any laws protecting wetlands. During the delineation, portions of the fields were found to still exhibit signs of wetland soil and hydrology within 12 inches of the surface. As such, it is our opinion that portions of the fields would still be classified as wetlands based on hydrology and soil characteristics. The delineation of these areas is explained in detail below in this report.

WETLAND RESOURCE AREAS

STREAM / BANK:
Banks of streams and water bodies are wetland resource areas under the Mass. Wetlands Protection Act and under the Amesbury Wetlands Ordinance. There is a stream located along the northern property line and extends up the hillside into the wooded area in the western portion of the site. The stream enters a culvert at the northeast corner of the site and outlets to a stream across South Hampton Road that flows easterly.

The stream was flowing with a minimal flow during the site visit on July 11, 2018. The stream is shown on the latest U.S.G.S. Topographic Maps as a thin blue line and the watershed of the on-site stream is only 0.35 square mile in area. Based on this, the stream is presumed to be an intermittent stream and not classified as a "River" under the Mass. Riverfront regulations.

Under the Amesbury Wetlands Protection Ordinance, the upper limit of the Bank is defined as "the first observable break in the slope or the mean annual flood level, whichever is higher." (Under the Mass. Wetlands Protection Act Regulations it is "whichever is lower"). In this case, the stream along the northern property line and the beginning of the stream portion across South Hampton Road is a dug ditch with well defined, steep banks. Based on "bank full indicators" the level of mean annual high water is within the slope of the bank. To delineate the bank in this case, we flagged the top of the bank as required by the Ordinance.

The portions of the stream Bank that is important to determine for the assessment of the site for planning purposes was flagged with consecutively marked, blue survey ribbon labeled Bank 1 to Bank 13, and is shown on the Survey Plan (Attachment 5). For the stream across South Hampton Road, the south bank is Marked BANK C-1 AND BANK C-2 and the north bank is labeled BANK C-3 AND BANK C-4 and the bank lines tie into the ends of the concrete headwall. The headwall is shown on the plan but the bank line is not yet survey located. A sketch of this with the associated buffer zones in included in Attachment 4.

BORDERING VEGETATED WETLANDS

The delineation of Bordering Vegetated Wetlands was performed in accordance with current Mass. Department of Environmental Protection methodology as contained in the DEP Handbook "Delineating Bordering Vegetated Wetlands under the Massachusetts Wetlands Protection Act" dated March 1995.

The delineation was performed using vegetation, soils and other indicators of wetland hydrology where the natural vegetation has not been altered. In the altered area that had been graded and developed onto grass lawn, the delineation of the wetland boundary is more difficult and the boundary is set by indicators of wetland soils and other indicators of hydrology as prescribed in the DEP Handbook. This was done by evaluating the soils in the adjacent natural wetland area and then taking numerous soil borings with a hand soil auger looking for hydric soil indicators and redox features that indicate significant seasonal saturated conditions within 12 inches of the surface.

Observations of the site in March and April helped to view surface ponding conditions, and the actual delineation was then performed on May 31, 2018 during this fairly wet spring. Observation of saturated soil and redox feature were very evident as well as observing the areas where the mowers avoided due to wet soil conditions to help provide a starting points for the soil auger probes.

To aid in this delineation and to provide the required supporting documentation, observation transects with sample plots were performed and documented. This transect locations and DEP Field Delineation Forms are contained in Attachment 4.

The boundary of the wetland was delineated with blue survey ribbons numbered BVW 1 to BVW 31. The flagging from BVW 6 to BVW 27 is within the altered grass area and wire pin flags were used.

Note that the open lawn area is heavily used as play areas and is maintained by mowing. So all the delineation flagging has been removed at this time. These could be reset by survey if necessary.

The BVW in the undisturbed area is classified as a Red Maple Wooded Swamp with some areas of more open Shrub Swamp along the fringe. The typical vegetation include the following:

Trees: Red Maple (Acer rubrum), American Elm (Ulmus americana), Green Ash (Fraxinus pennsylvanica), Black Willow (Salix nigra)

Shrub/Vines: Buckthorn (Rhamnus frangula), Silky Dogwood (Cornus amomum), Arrow-wood (Viburnum dentatum), Speckled Alder (Alnus rugosa), Poison Ivy (Toxicondendron radicans),

Ground cover: Jewel Weed (Impatiens capensis), Sensitive Fern (Onoclea sensibilis), Boneset (Eupatorium perfoliatum), Jack-in-the pulpit (Arisaema triphyllum), Cat-tails (Typha latifolia) and various sedges (Carex spp)

BORDERING LAND SUBJECT TO FLOODING

The site is shown on the latest FEMA National Flood Insurance Program mapping as being in a Zone X, so it is not within a Flood Hazzard Area or Land Subject to Flooding.

Please note that the delineations performed are based on best professional judgment and interpretation per the applicable regulatory guidelines. The delineations are not an official "Determination" under the applicable wetlands laws and regulations until accepted by the Conservation Commission or Mass. DEP through the filing of an Abbreviated Notice of Resource Area Delineation or a Notice of Intent under the Mass. Wetlands Protection Act and local wetlands laws and regulations.

RE: Amesbury Elementary School
Wetland Resource Area Delineation Report July 12, 2018

If you have any questions regarding the delineation or this report, please contact me.

Sincerely,

Sincerely,
DGT Associates

Fredric W. King

Fredric W. King, PE
Senior Engineer &
Wetland Specialist

Attachments

DGT Associates
Surveying &
Engineering

1071 Worcester Rd.
Framingham, MA 01701
508.879.0030
www.dgtassociates.com

25286

AMESBURY ELEMENTARY SCHOOL

ANRAD FILING

ATTACHMENT 4

DEP FIELD DELINEATION FORMS, TRANSECT LOCTIONS AND DELINEATION SKETCH FOR STREAM ACROSS S. HAMPTON ROAD (27 AND 29 S. HAMPTON ROAD)

AMESBURY, MA, DATED 11/1/93.
7) WETLANDS SHOWN HEREON DELINEATED BY DGT ASSOCIATES ON 5/31/18 AND LOCATED BY INSTRUMENT SURVEY ON 6/3/18 BY HANCOCK ASSOCIATES, INC.

LOT AREA
14.08± ACRES(C)
14.23± ACRES(R)

THE TOWN OF AMESBURY
DEED BOOK 25092, PAGE 178
PLAN BOOK 380, PLAN 84

THE TOWN OF AMESBURY
DEED BOOK 29518, PAGE 384
PLAN BOOK 413, PLAN 4

GLEN ALAN RICHMOND, JR.
KATHLEEN G. RICHMOND
DEED BOOK 15680, PAGE 499
PLAN BOOK 171, PLAN 69

TRANSECT 5
TRANSECT 4
TRANSECT 2
TRANSECT 3
TRANSECT 1
PLOT 1

LOW AREAS OBSERVED PONDED IN SPRING 2018

INFORMATION ADDED BY DGT ASSOCIATES IS SHOWN IN RED.

AMESBURY ELEMENTARY SCHOOL
EXISTING TWO STORY BRICK BUILDING
#24

EXISTING ONE STORY WOOD FRAME BUILDING

SOUTH HAMPTON (PUBLIC - VARIABLE WIDTH) ROAD

STUART STREET

100' ZONING SETBACK
50' ZONING SETBACK
25' "NO-DISTURB" BUFFER ZONE
50' "NO-BUILD" BUFFER ZONE
100' WETLAND BUFFER ZONE

EDGE OF WOODED AREA
FORMER LOCATION OF DRAINAGE (SEE NOTE 7)
EDGE OF BORDERING VEGETATED WETLANDS

PARKING SPACES ON BITUMINOUS CONCRETE

SCALE: 1" = 40'
0 40 80 160

99 Chauncy Street,
Boston, Massachusetts 02111

SKETCH OF WETLAND DATA TRANSECT LOCATIONS
DGT ASSOCIATES
7/12/18

HANCOCK ASSOCIATES
Civil Engineers
Land Surveyors
Wetland Scientists

185 CENTRE STREET, DANVERS, MA 01923
VOICE (978) 777-3050, FAX (978) 774-7816
WWW.HANCOCKASSOCIATES.COM

NO.	BY	APP	DATE	ISSUE/REVISION DESCRIPTION
1.	EME	WCJ	6/5/18	ADDITION OF WETLAND FLAGS

DATE: 5/21/18 DRAWN BY: EME
SCALE: 1"=40' CHECK BY: WCJ/MMM

COMPILED PLAN OF LAND IN AMESBURY, MA

DWG: 21277compiled.dwg
LAYOUT: ECJ0x42
SHEET: 1 OF 1

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 24 S. Hampton Rd DEP File #:

Check all that apply: (Up gradient from flag Bank 4)

☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P1 Transect Number: T1 Date of Delineation: 5/31/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
Syscamore (Platanus occidentalis) 10”,	81	100	YES	NI
Shrub/Sapling/Vine				
Ground Cover				
Bull Thistle (Cirsium vulgare)	20.5	28.9	YES	FACU-
Jewel Weed (Impatiens capensis)	3.0	4.1	NO	FACW
Garlic Mustard (Alliaria petiolata)	38.0	52.0	YES	FACU-
Crown Vetch (Coronilla varia)	10.5	14.6	NO	NI

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: 0 **Number of dominant non-wetland indicator plants:** 2

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes **No** X

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

MA DEP; 3/95

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes X No

title/date: NRCS Web Soil Survey N. Essex County
Date 3-11-2015

map number:

soil type mapped: Udorthents Urban Land

hydric soil inclusions: Yes – in Maybid soil

Are field observations consistent with soil survey? Yes X no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A - FSL	0 - 7”	10 YR 4/3	None visible
B – FSL	7-15”	10 YR 5/3	None
C – LFS	20-24	10 YR 5/4	10 YR 5/8
			Begin at 16”

Remarks:

3. Other:

Conclusion: Is soil hydric? Yes No X

Other Indicators of Hydrology: (check all that apply and describe)

- ☐ Site inundated: _____
- ☐ Depth to free water in observation hole: _____
- ☐ Depth to soil saturation in observation hole: _____
- ☐ Water marks: _____
- ☐ Drift lines: _____
- ☐ Sediment deposits: _____
- ☐ Drainage patterns in BVW: _____
- ☐ Oxidized rhizospheres: _____
- ☐ Water-stained leaves: _____
- ☐ Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	☐	☒ X
Wetland hydrology present: hydric soil present	☐	☒ X
other indicators of hydrology Present	☐	☒ X
Sample location is in a BVW	☐	☒ X

Submit this form with the Request for Determination of Applicability or Notice of Intent.

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 24 S. Hampton Rd DEP File #:

Check all that apply: (Up gradient from flag BVW 6)

☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P1 Transect Number: T2 Date of Delineation: 5/31/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
Shrub/Sapling/Vine				
Ground Cover				
Lawn grasses and clover (disturbed area) see next page				

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

Vegetation conclusion: Vegetation cannot be used at this plot. See next Page.

Number of dominant wetland indicator plants: **Number of dominant non-wetland indicator plants:**

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes No

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

Section II. Indicators of Hydrology

T2-P1 Page 2

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes X No

title/date: NRCS Web Soil Survey N. Essex County
Date 3-11-2015

map number:

soil type mapped: Udorthents Urban Land

hydric soil inclusions: Yes – in Maybid soil

Are field observations consistent with soil survey? Yes X no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A - FSL	0 - 6”	10 YR 3/3	None visible
B – FSL	6-10”	10 YR 4/4	None
C – SiL	10-15	10 YR 3/2	10 YR 5/8
			Begin at 13”
			Increases w/ depth

Remarks:

3. Other:

Conclusion: Is soil hydric? Yes No X

Other Indicators of Hydrology: (check all that apply and describe)

- ☐ Site inundated: _____
- ☐ Depth to free water in observation hole: _____
- ☐ Depth to soil saturation in observation hole: _____
- ☐ Water marks: _____
- ☐ Drift lines: _____
- ☐ Sediment deposits: _____
- ☐ Drainage patterns in BVW: _____
- ☐ Oxidized rhizospheres: _____
- ☐ Water-stained leaves: _____
- ☐ Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	☐	☐
Wetland hydrology present: hydric soil present	☐	☒
other indicators of hydrology Present	☐	☒
Sample location is in a BVW	☐	☒

Submit this form with the Request for Determination of Applicability or Notice of Intent.

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 24 S. Hampton Rd DEP File #:

Check all that apply: (Down gradient from flag BVW 6)

☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P2 Transect Number: T2 Date of Delineation: 5/31/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
Red Maple (Acer rubrum) 10", 10", 12"	278	70.7	YES	FAC
White Pine (Pinus strobus) 12"	115	29.3	YES	FACU
Shrub/Sapling/Vine				
Arrow-wood (Viburnum dentatum)	20.5	60.3	YES	FAC
Red Maple saplings (Acer rubrum)	10.5	30.9	YES	FAC
Grape (Vitis labrusca)	3.0	9.8	NO	FACU
Ground Cover				
Boneset (Eupatorium perfoliatum)	20.5	23.7	YES	FACW+
Jewelweed (Impatiens capensis)	3.0	3.5	NO	FACW
Sedges (Carex spp)	63.0	79.8	YES	FACW

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

Vegetation conclusion: Vegetation cannot be used at this plot. See next Page.

Number of dominant wetland indicator plants: 5 **Number of dominant non-wetland indicator plants:** 1

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes X **No**

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

MA DEP; 3/95

Section II. Indicators of Hydrology

T2-P2 Page 2

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes X No

title/date: NRCS Web Soil Survey N. Essex County
Date 3-11-2015

map number:

soil type mapped: Udorthents Urban Land

hydric soil inclusions: Yes – in Maybid soil

Are field observations consistent with soil survey? Yes X no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A - SiL	0 - 7”	10 YR 3/2	None visible
B – SiL	7-10”	10 YR 3/1	10 YR 5/6
C – SiL	10-18	10 YR 5/1	10 YR 5/6
		LC Mottle	Begin at 14”

Remarks: Soil saturated at 12” weeping at 15”

3. Other:

Conclusion: Is soil hydric? Yes X No

Other Indicators of Hydrology: (check all that apply and describe)

- ☐ Site inundated: _____
- ☒ Depth to free water in observation hole: 15”
- ☒ Depth to soil saturation in observation hole: 12”
- ☐ Water marks: _____
- ☐ Drift lines: _____
- ☐ Sediment deposits: _____
- ☐ Drainage patterns in BVW: _____
- ☐ Oxidized rhizospheres: _____
- ☐ Water-stained leaves: _____
- ☐ Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	X	
Wetland hydrology present: hydric soil present	X	
other indicators of hydrology Present	X	
Sample location is in a BVW	X	

Submit this form with the Request for Determination of Applicability or Notice of Intent.

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 24 S. Hampton Rd DEP File #:

Check all that apply: (Up gradient from flag BVW 12)

☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P1 Transect Number: T3 Date of Delineation: 5/31/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
Shrub/Sapling/Vine				
Ground Cover				
Lawn grasses and clover (disturbed area) see next page				

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

Vegetation conclusion: Vegetation cannot be used at this plot. See next Page.

Number of dominant wetland indicator plants: **Number of dominant non-wetland indicator plants:**

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes No

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes X No

title/date: NRCS Web Soil Survey N. Essex County
Date 3-11-2015

map number:

soil type mapped: Udorthents Urban Land

hydric soil inclusions: Yes – in Maybid soil

Are field observations consistent with soil survey? Yes X no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A - FSL	0 - 8”	10 YR 3/2	None visible
B – FSL	8-18”	10 YR 4/4	10 YR 5/6 Begin at 14”

Remarks: Soil saturated at 17 inches

3. Other:

Conclusion: Is soil hydric? Yes No X

Other Indicators of Hydrology: (check all that apply and describe)

- ☐ Site inundated: _____
- ☐ Depth to free water in observation hole: _____
- ☐ Depth to soil saturation in observation hole: 17”
- ☐ Water marks: _____
- ☐ Drift lines: _____
- ☐ Sediment deposits: _____
- ☐ Drainage patterns in BVW: _____
- ☐ Oxidized rhizospheres: _____
- ☐ Water-stained leaves: _____
- ☐ Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	☐	☐
Wetland hydrology present:		
hydric soil present	☐	X
other indicators of hydrology Present	☐	X
Sample location is in a BVW	☐	X

Submit this form with the Request for Determination of Applicability or Notice of Intent.

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 24 S. Hampton Rd DEP File #:

Check all that apply: (Down gradient from flag BVW 12)

☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P2 Transect Number: T3 Date of Delineation: 5/31/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
Shrub/Sapling/Vine				
Ground Cover				
Lawn grasses and clover (disturbed area) see next page				

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

Vegetation conclusion: Vegetation cannot be used at this plot. See next Page.

Number of dominant wetland indicator plants: **Number of dominant non-wetland indicator plants:**

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes No

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

MA DEP; 3/95

Section II. Indicators of Hydrology

T3 – P2 Page 2

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes X No

title/date: NRCS Web Soil Survey N. Essex County
Date 3-11-2015

map number:

soil type mapped: Udorthents Urban Land

hydric soil inclusions: Yes – in Maybid soil

Are field observations consistent with soil survey? Yes X no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A - FSL	0 - 7”	10 YR 3/2	None visible
B – FSL	7-15”	10 YR 4/4	10 YR 5/6 Begin at 11”

Remarks: Soil saturated at 14 inches. Water in bottom of hole.

3. Other:

Conclusion: Is soil hydric? Yes X No

Other Indicators of Hydrology: (check all that apply and describe)

- ☐ Site inundated: _____
- ☒ Depth to free water in observation hole: 15”
- ☐ Depth to soil saturation in observation hole: 14”
- ☐ Water marks: _____
- ☐ Drift lines: _____
- ☐ Sediment deposits: _____
- ☐ Drainage patterns in BVW: _____
- ☐ Oxidized rhizospheres: _____
- ☐ Water-stained leaves: _____
- ☐ Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	☐	☐
Wetland hydrology present:		
hydric soil present	X	☐
other indicators of hydrology Present	X	☐
Sample location is in a BVW	X	☐

Submit this form with the Request for Determination of Applicability or Notice of Intent.

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 24 S. Hampton Rd DEP File #:

Check all that apply: (South of flags BVW 26 and 27)

☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P1 Transect Number: T4 Date of Delineation: 5/31/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
Shrub/Sapling/Vine				
Ground Cover				
Lawn grasses and clover (disturbed area) see next page				

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

Vegetation conclusion: Vegetation cannot be used at this plot. See next Page.

Number of dominant wetland indicator plants: **Number of dominant non-wetland indicator plants:**

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes No

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

Section II. Indicators of Hydrology

T4-P1 Page 2

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes X No

title/date: NRCS Web Soil Survey N. Essex County
Date 3-11-2015

map number:

soil type mapped: Udorthents Urban Land

hydric soil inclusions: Yes – in Sutton soil complex

Are field observations consistent with soil survey? Yes X no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A - FSL	0 - 3”	10 YR 4/3	None visible
B – FSL	3-14”	10 YR 4/4	None
C – LFS	14-18”	10 YR 4/3	10 YR 5/6 Begin at 17”

Remarks:

3. Other:

Conclusion: Is soil hydric? Yes No X

Other Indicators of Hydrology: (check all that apply and describe)

- ☐ Site inundated: _____
- ☐ Depth to free water in observation hole: _____
- ☐ Depth to soil saturation in observation hole: _____
- ☐ Water marks: _____
- ☐ Drift lines: _____
- ☐ Sediment deposits: _____
- ☐ Drainage patterns in BVW: _____
- ☐ Oxidized rhizospheres: _____
- ☐ Water-stained leaves: _____
- ☐ Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	☐	☐
Wetland hydrology present:		
hydric soil present	☐	X
other indicators of hydrology Present	☐	X
Sample location is in a BVW	☐	X

Submit this form with the Request for Determination of Applicability or Notice of Intent.

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 24 S. Hampton Rd DEP File #:

Check all that apply: (North of flags BVW 26 and 27)

☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P2 Transect Number: T4 Date of Delineation: 5/31/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
Shrub/Sapling/Vine				
Ground Cover				
Lawn grasses and clover (disturbed area) see next page				

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

Vegetation conclusion: Vegetation cannot be used at this plot. See next Page.

Number of dominant wetland indicator plants: **Number of dominant non-wetland indicator plants:**

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes No

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

Section II. Indicators of Hydrology

T4-P2 Page 2

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes X No

title/date: NRCS Web Soil Survey N. Essex County
Date 3-11-2015

map number:

soil type mapped: Udorthents Urban Land

hydric soil inclusions: Yes – in Sutton soil complex

Are field observations consistent with soil survey? Yes X no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A - FSL	0 - 4”	10 YR 4/4	None visible
B – FSL	4-10”	10 YR 4/3	10 YR 5/6 Begin at 10”
C – LS	10-20”	10 YR 4/2	10 YR 5/6 many

Remarks: Soil saturated at 12 inches water seeping into hole at 14”

3. Other: Water running down the slope from the uphill woodland near this test hole

Conclusion: Is soil hydric? Yes X No

Other Indicators of Hydrology: (check all that apply and describe)

- ☐ Site inundated: _____
- X Depth to free water in observation hole: 14”
- X Depth to soil saturation in observation hole: 12”
- ☐ Water marks: _____
- ☐ Drift lines: _____
- ☐ Sediment deposits: _____
- X Drainage patterns in BVW: Runoff flowing down slope near.
- ☐ Oxidized rhizospheres: _____
- ☐ Water-stained leaves: _____
- ☐ Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	☐	☐
Wetland hydrology present:		
hydric soil present	X	☐
other indicators of hydrology Present	X	☐
Sample location is in a BVW	X	☐

Submit this form with the Request for Determination of Applicability or Notice of Intent.

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 24 S. Hampton Rd DEP File #:

Check all that apply: (Up gradient from flags BVW 29 and 30)

☒ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☐ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P1 Transect Number: T5 Date of Delineation: 5/31/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
Red Maple (Acer rubrum) 9”	62	14.1	NO	FAC
White Ash (Fraxinus americana) 20”	315	71.8	YES	FACU
Black Cherry (Prunus serotina) 9”	62	14.1	NO	FACU
Shrub/Sapling/Vine				
Multiflora Rose (Rosa multiflora)	20.5	43.6	YES	FACU
Oriental Bittersweet (Celastrus orbiculatus)	20.5	43.6	YES	NI
Glossy Buckthorn (Rhamnus frangula)	3.0	6.4	NO	FAC
Poison Ivy (Toxicondendron radicans)	3.0	6.4	NO	FAC
Ground Cover				
Poison Ivy (Toxicondendron radicans)	10.5	38.9	YES	FAC
Oriental Bittersweet (Celastrus orbiculatus)	10.5	38.9	YES	NI
Barberry (Berberis thunbergii)	3.0	11.1	NO	FACU
Sensitive Fern (Onoclea sensibilis)	3.0	11.1	NO	FACW

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

Vegetation conclusion: Vegetation cannot be used at this plot. See next Page.

Number of dominant wetland indicator plants: 1 **Number of dominant non-wetland indicator plants:** 4

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes **No** X

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

MA DEP; 3/95

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 24 S. Hampton Rd DEP File #:

Check all that apply: (Down gradient from flags BVW 29 and 30)

☒ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☐ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P2 Transect Number: T5 Date of Delineation: 5/31/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
Red Maple (Acer rubrum) 15", 10", 8"	302	83.0	YES	FAC
Black Cherry (Prunus serotina) 9"	62	17.0	NO	FACU
Shrub/Sapling/Vine				
Arrow-wood (Viburnum dentatum)	10.5	43.8	YES	FAC
Poison Ivy (Toxicondendron radicans)	10.5	43.8	YES	FAC
Glossy Buckthorn (Rhamnus frangula)	3.0	12.4	NO	FAC
Ground Cover				
Poison Ivy (Toxicondendron radicans)	3.0	7.5	NO	FAC
Jack-in-the-pulpit (Arisaema triphyllum)	3.0	7.5	NO	FACW-
Arrow-wood (Viburnum dentatum)	3.0	7.5	NO	FAC
Sensitive Fern (Onoclea sensibilis)	20.5	51.2	YES	FACW
Jewell Weed (Impatiens capensis)	10.5	26.2	YES	FACW

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

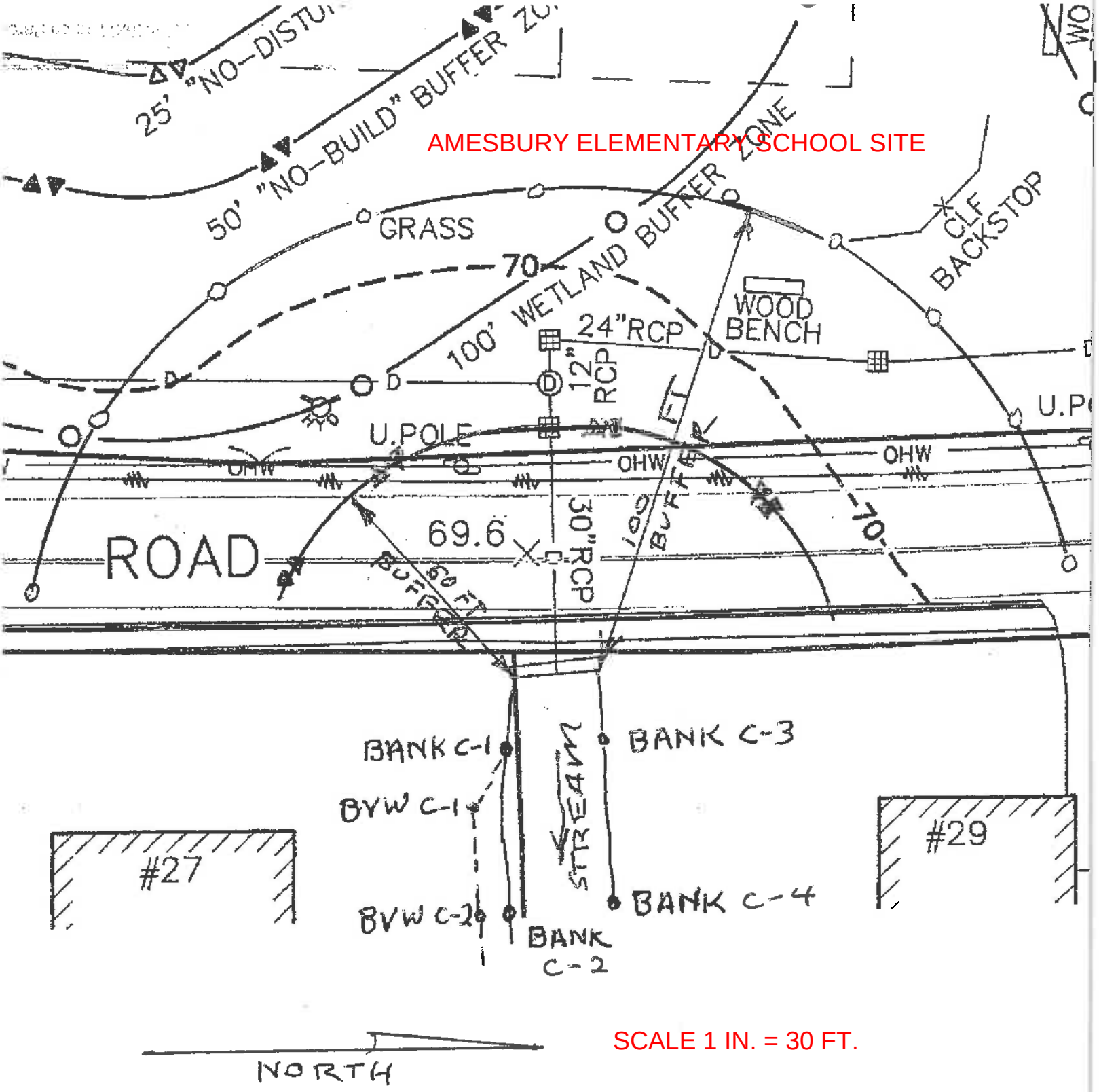
Vegetation conclusion: Vegetation cannot be used at this plot. See next Page.

Number of dominant wetland indicator plants: 5 **Number of dominant non-wetland indicator plants:** 0

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes X **No**

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

MA DEP; 3/95



SKETCH OF WETLAND DELINEATION AT STREAM BETWEEN 27 AND 29 SOUTH HAMPTON ROAD, AMESBURY, MA

DGT ASSOCIATES: 7/12/18

DGT Associates
Surveying &
Engineering

1071 Worcester Rd.
Framingham, MA 01701
508.879.0030
www.dgtassociates.com

25286

AMESBURY ELEMENTARY SCHOOL

ANRAD FILING

ATTACHMENT 5

“COMPILED PLAN OF LAND IN AMESBURY, MA” Dated revised 6/5/18,
By Hancock Associates.

LEGEND

- SURFACE CONTOUR
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- CHAIN LINK FENCE
- EDGE OF WOODED AREA
- 12"RCP — DRAINLINE WITH PIPE SIZE & MATERIAL, CATCHBASIN, AND MANHOLE
- WF BANK1 — LIMIT OF BORDERING VEGETATED WETLAND WITH FLAG NUMBER
- LIMIT OF 100' WETLAND BUFFER ZONE
- LIMIT OF 50' "NO-BUILD" BUFFER ZONE
- LIMIT OF 25' "NO-DISTURB" BUFFER ZONE
- × 100.7 — SPOT ELEVATION
- FLAG POLE
- RCP — REINFORCED CONCRETE PIPE
- CMP — CORRUGATED METAL PIPE
- BB — BITUMINOUS BERM
- BIT. CONC. — BITUMINOUS CONCRETE

MERIDIAN FROM PLAN 672 OF 1965

JON F. SULLIVAN
JOANNE M. SULLIVAN
MARY A. MEDICI
MAURA A. SULLIVAN
DEED BOOK 12523, PAGE 158
PLAN BOOK 274, PLAN 88

ATLANTIC VIEW CONDOMINIUM
DEED BOOK 24348, PAGE 358
PLAN BOOK 380, PLAN 84

THOMAS M. ALPHONSE
JEANINE A. ALPHONSE
DEED BOOK 34102, PAGE 220
PLAN BOOK 274, PLAN 88

N32°45'00"W 336.60'

N10°38'05"E 405.93'(CALC) 410'±(REC)

MARK E. CONCHIERI
DIANA R. CONCHIERI
DEED BOOK 16462, PAGE 502
PLAN BOOK 212, PLAN 88

N56°00'00"E 7.26'

N34°47'00"W 275.00'

N89°45'00"E 132.50'

N80°32'00"E 575.30'

THE TOWN OF AMESBURY
DEED BOOK 25092, PAGE 178
PLAN BOOK 380, PLAN 84

WOODED

LOT AREA
14.08± ACRES(C)
14.23± ACRES(R)

ROWELL STREET
(PUBLIC – VARIABLE WIDTH)

S88°30'00"W 88.25'

132.50' S16°30'00"E

S67°15'00"W 417.76'

JOHN M. RICHARDSON
ANNE E. RICHARDSON
DEED BOOK 17367, PAGE 527
#10

50' ZONING SETBACK

ROWELL SIX, INC.
DEED BOOK 15888, PAGE 182
PLAN BOOK 293, PLAN 30
#6

JOSEPH A. DIGRAZIA
JENNIFER E. DIGRAZIA
DEED BOOK 14086, PAGE 41
PLAN BOOK 293, PLAN 30
#4

AUBRIE HUME
DOMINIC GALLAGHER
DEED BOOK 33896, PAGE 371
PLAN BOOK 293, PLAN 30 #14

AMESBURY ELEMENTARY SCHOOL
EXISTING TWO STORY BRICK BUILDING
#24

EXISTING ONE STORY WOOD FRAME BUILDING

FORMER LOCATION OF DRAINAGE (SEE NOTE 7)

MULCHED PLAYGROUND AREA

MULCHED PLAY-GROUND AREA

PLANTED AREA

COVERED WALK

BIT. CONC. WALK

GARDEN AREA

SHEDS

FLAG POLE

CONC. WALK

BITUMINOUS CONCRETE DRIVE

GRAVEL DRIVE

PARKING SPACES ON BITUMINOUS CONCRETE

S2°30'00"E 498.75'

S2°30'00"E 122.75'

100' ZONING SETBACK

EDGE OF WOODED AREA

GRASS

WF BVW1 – WF BVW31

WF BANK1 – WF BANK13

EDGE OF BORDERING VEGETATED WETLANDS

25' "NO-DISTURB" BUFFER ZONE

50' "NO-BUILD" BUFFER ZONE

100' WETLAND BUFFER ZONE

BASEBALL FIELD

FOUND BENCH

C/F BACKSTOP

10"CMP

6"CMP

12"RCP

12"CMP

18"RCP

24"RCP

8"RCP

U.POLE

OHW

SOUTH HAMPTON ROAD (PUBLIC – VARIABLE WIDTH)

THE TOWN OF AMESBURY
DEED BOOK 29518, PAGE 384
PLAN BOOK 413, PLAN 4

GLEN ALAN RICHMOND, JR.
KATHLEEN G. RICHMOND
DEED BOOK 15680, PAGE 499
PLAN BOOK 171, PLAN 69

LOCUS PLAN OF EASEMENT PREPARED FOR AMESBURY SCHOOL DEPARTMENT PLAN BOOK 171, PLAN 69

DRAINAGE & SEWER EASEMENT GRANTED TO THE CITY OF AMESBURY BOOK 5234, PAGE 200 PLAN BOOK 171, PLAN 69

#17 #19 #21 #23 #25 STUART STREET #27 #29 #31 #33

S7°45'00"E 323.20'

SCALE: 1" = 40'
0 40 80 160

ASSESSORS: MAP 26, LOT 4

ZONING: OSC – OPEN SPACE CONSERVANCY

REFERENCES: DEED BOOK 5330, PAGE 6
DEED BOOK 5234, PAGE 200 (TAKING)
PLAN 672 OF 1965

RECORD OWNER: CITY OF AMESBURY

NOTES:

1) THIS PLAN HAS BEEN PREPARED TO ASSIST ARCHITECT IN THE PRELIMINARY PLANNING PHASES OF THE NEW ELEMENTARY SCHOOL PROJECT.
2) THIS PLAN HAS BEEN COMPILED FROM INFORMATION PROVIDED BY THE CITY OF AMESBURY, RECORD PLANS, AND AERIAL PHOTOGRAPHS.
3) ELEVATIONS SHOWN HEREON FROM CITY GIS AND PURPORTS TO REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) PER THE CITY ENGINEER.
4) PROPERTY LINES SHOWN HEREON SHOULD BE CONSIDERED APPROXIMATE.
5) UNDERGROUND UTILITIES SHOWN HEREON ARE COMPILED FROM AVAILABLE RECORD INFORMATION ON FILE AT THE TOWN ENGINEERING OFFICES. OTHER UNDERGROUND UTILITIES MAY EXIST. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION, SIZE & ELEVATION OF ALL UTILITIES WITHIN THE AREA OF PROPOSED WORK AND TO CONTACT "DIG-SAFE" AT 811 AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION, DEMOLITION OR CONSTRUCTION.
6) DRAINAGE SHOWN HEREON FROM PLAN ENTITLED "EXISTING CONDITIONS, SOUTH HAMPTON ROAD, AMESBURY, MA" BY W.C. CAMMETT ENGINEERING, INC. 297 ELM STREET, AMESBURY, MA, DATED 11/1/93.
7) WETLANDS SHOWN HEREON DELINEATED BY DGT ASSOCIATES ON 5/31/18 AND LOCATED BY INSTRUMENT SURVEY ON 6/3/18 BY HANCOCK ASSOCIATES, INC.

AMESBURY ELEMENTARY SCHOOL

24 South Hampton Road,
Amesbury, Massachusetts 01913

PREPARED FOR:

DINISCO DESIGN, INC.

99 Chauncy Street,
Boston, Massachusetts 02111

HANCOCK ASSOCIATES

Civil Engineers

Land Surveyors

Wetland Scientists

185 CENTRE STREET, DANVERS, MA 01923
VOICE (978) 777-3050, FAX (978) 774-7816
WWW.HANCOCKASSOCIATES.COM

COMMONWEALTH OF MASSACHUSETTS
WAYNE C. JALBERT
No. 39116
REGISTERED PROFESSIONAL SURVEYOR

7/10/18

NO.	BY	APP	DATE	ISSUE/REVISION DESCRIPTION
1.	EME	WCJ	6/5/18	ADDITION OF WETLAND FLAGS

DATE: 5/21/18 DRAWN BY: EME
SCALE: 1"=40' CHECK BY: WCJ/MMM

COMPILED PLAN OF LAND IN AMESBURY, MA

PLOT DATE: Jul 10, 2018 2:52 pm
PATH: P:\Civil 3D Projects\21277 – DiNisco – Amesbury Elementary –

DWG: 21277compiled.dwg
LAYOUT: EC30x42
SHEET: 1 OF 1

PROJECT NO.: 21277

BSC GROUP
Transportation • Energy • Land Development

33 Waldo Street
Worcester, MA 01608

Tel: 508-792-4500
800-288-8123

www.bscgroup.com

September 14, 2018

Amesbury Conservation Commission and Mr. John Lopez
Amesbury Conservation Commission
62 Friend Street
Amesbury, MA 01913

RE: 24 South Hampton Road ANRAD Peer Review

Dear Mr. Lopez and Members of the Commission:

BSC Group, Inc. (BSC) is pleased to submit this wetland resources peer review report on the 24 South Hampton Road Abbreviated Notice of Resource Area Delineation (ANRAD). The City of Amesbury, Mayor's Office (Ken Gray) is the Applicant. Fred King of DGT Associates (DGT) is the Applicant's representative, and has flagged Bordering Vegetated Wetlands (BVW) and Bank on the 14-acre property associated with the existing Amesbury elementary school. Hancock Associates has provided a site plan titled "Amesbury Elementary School, 24 South Hampton Road, Amesbury, Massachusetts 01913", dated 5/21/2018, last updated 9/7/2018 (Site Plans).

The purpose of this assessment is to evaluate project compliance with the Massachusetts Wetlands Protection Act (M.G.L. c. 131, s. 40) (WPA) and associated regulations (310 CMR 10.00 et al.) and the City of Amesbury Wetland Protection Ordinance and associated regulations (Ordinance). The delineation of Bordering Vegetated Wetlands (BVW) was evaluated according to the MA Department of Environmental Protection "Handbook for Delineating Bordering Vegetated Wetlands Under the MA Wetlands Protection Act".

Regulated resource areas on the subject property include BVW and associated Buffer Zone, Bank and associated Buffer Zone, and Land Under Water. Regulated resources were assessed according to definitions in the Ordinance and in the state WPA regulations. On Friday, August 31, 2018, BSC conducted a site visit at the project site, and reviewed all of the flagged, regulated wetland boundaries. Fred King of Hancock Associates attended the site visit.

BSC provides the following wetland resources peer review comments, based on review of the project documents, Site Plans, and the site visit. Flagged wetlands include the A, C and WF BVW series and the Bank series.

ANRAD Form
BSC notes that the linear feet of BVW listed on the ANRAD form should be updated to match the revised BVW boundaries listed on the Site Plan.

Bank Series
The Bank Series flags (Bank flags 1 – 13) required no adjustments during the site visit, and the revised Site Plan indicates the flag locations accurately.

A Series

Engineers
Environmental Scientists
Custom Software Developers
Landscape Architects
Planners
Surveyors

The A Series flags were added at the 8/31/2018 site visit to replace WF BVW flags 1 through 20, with the exception of BVW Flag 13, which remains, and is connected to flags A-5 and A-6. The revised Site Plans indicate the A Series flags (WF A1 – 12) accurately.

WF BVW Series

With the exception of BVW Flag 13 (as noted above), BVW Flags 1 – 20 were replaced at the site visit by the A Series flags. BVW Flags 21 – 31 remain, and are shown accurately on the revised Site Plans.

C Series

The C Series flags are shown accurately on the revised Site Plans, and did not require any adjustments during the site visit. This series includes a combination of BVW and Bank flags, with flags numbered from Bank C1 – C-4 and BVW C1 – C2. This series delineates an intermittent stream on the opposite side of South Hampton Road from the school property. A Buffer Zone that extends onto the school property is associated with this series.

Intermittent Stream

The ANRAD Wetland Resource Area Delineation Report provides information documenting that the stream associated with the Bank flag series and the C flag series is intermittent, and therefore does not have a Riverfront Area associated with it. The stream is shown as a thin blue line on the USGS topographic map (indicating intermittent status). The watershed area associated with the stream at the project site is 0.35 square miles, and therefore is presumed to be intermittent, per MA WPA regulations 310 CMR 10.58(2)1.

Bordering Land Subject to Flooding

The ANRAD reports that the project site is shown as being located in Zone X of the FEMA National Flood Insurance Program mapping, and therefore is outside of the 100-year floodplain/Bordering Land Subject to Flooding. The Applicant should provide the FEMA map to the Conservation Commission.

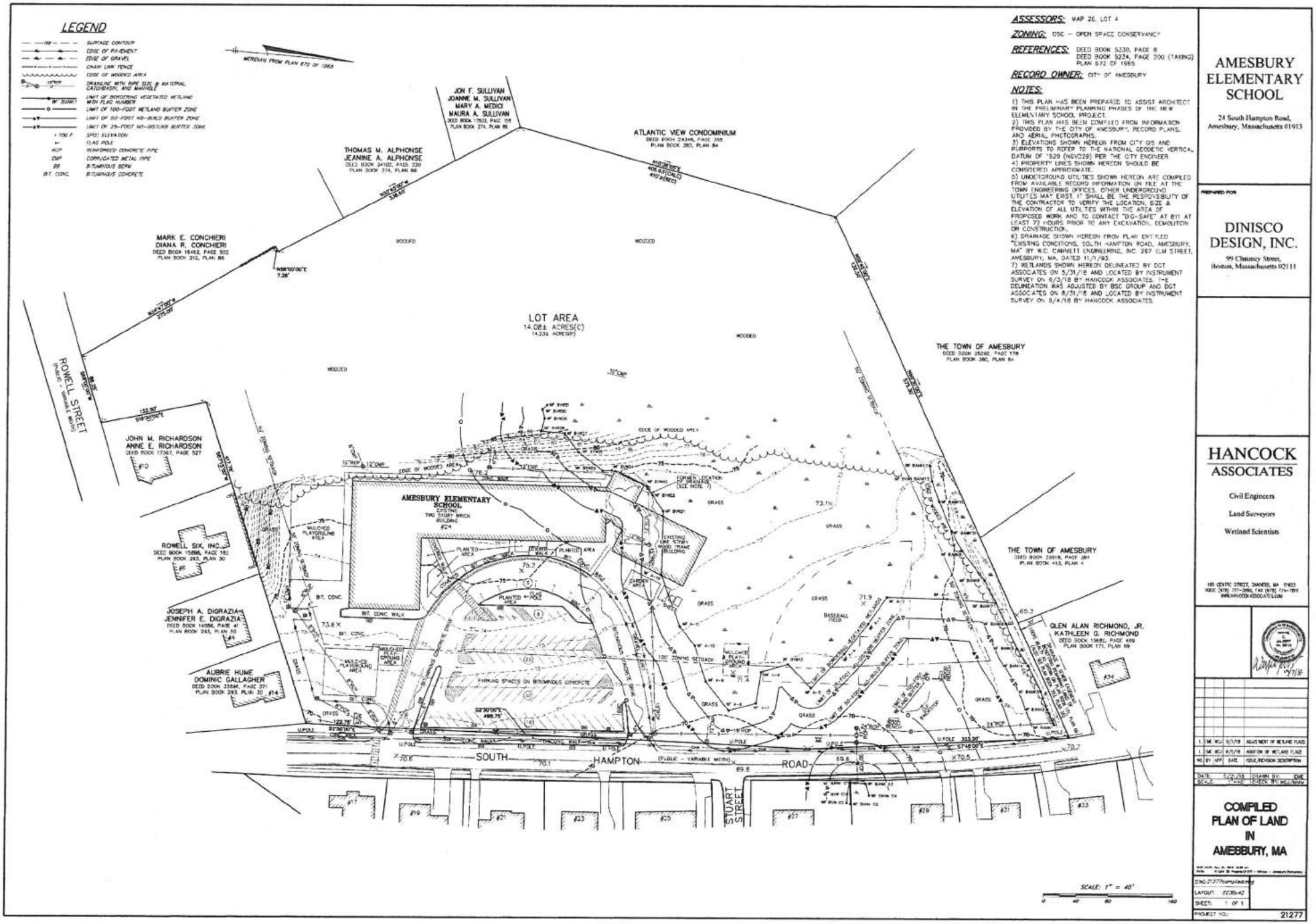
The Commission should feel free to contact me at (617) 896-4524 (office) or (978) 621-8783 (cell) with any questions regarding this report and this letter report.

Sincerely,
BSC Group, Inc.

Gillian T. Davies

Gillian T. Davies, PWS, SSSSNE
Senior Ecological Scientist

\\bscbos\wor\Projects-WOR\8949245\Environmental\24 South Hampton Rd ANRAD wetlands peer review letter.docx



ASSESSORS: MAP 26, LOT 4

ZONING: OSC – OPEN SPACE CONSERVANCY

REFERENCES: DEED BOOK 5330, PAGE 6
DEED BOOK 5234, PAGE 200 (TAKING)
PLAN 672 OF 1965

RECORD OWNER: CITY OF AMESBURY

NOTES:

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4) PROPERTY LINES SHOWN HEREON SHOULD BE CONSIDERED APPROXIMATE.
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7) WETLANDS SHOWN HEREON DELINEATED BY DGT ASSOCIATES ON 5/31/18 AND LOCATED BY INSTRUMENT SURVEY ON 6/3/18 BY HANCOCK ASSOCIATES. THE DELINEATION WAS ADJUSTED BY BSC GROUP AND DGT ASSOCIATES ON 8/31/18 AND LOCATED BY INSTRUMENT SURVEY ON 9/4/18 BY HANCOCK ASSOCIATES.

AMESBURY ELEMENTARY SCHOOL

24 South Hampton Road,
Amesbury, Massachusetts 01913

PREPARED FOR

DINISCO DESIGN, INC.

99 Chauncy Street,
Boston, Massachusetts 02111

HANCOCK ASSOCIATES

Civil Engineers

Land Surveyors

Wetland Scientists

185 CENTRE STREET, DANVERS, MA 01923
VOICE (978) 777-3050, FAX (978) 774-7816
WWW.HANCOCKASSOCIATES.COM

NO.	BY	DATE	ISSUE/REVISION DESCRIPTION
1	EME	9/7/18	ADJUSTMENT OF WETLAND FLAGS
1	EME	8/7/18	ADDITION OF WETLAND FLAGS

DATE: 5/2/18 DRAWN BY: EME
SCALE: 1"=40' CHECK BY: MGJ/MAH

COMPILED PLAN OF LAND IN AMESBURY, MA

DWG: 21277compiled.dwg
LAYOUT: ARCH D
SHEET: 1 OF 1
PROJECT NO.: 21277



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Boston, MA 02109
T: 617.963.1000

www.gza.com

July 11, 2018
File No. 01.0173748.00

Ms. Angel Khazadian
DINISCO DESIGN | architects + planners
99 Chauncy Street, Suite 901
Boston, MA 02111

Re: Preliminary Geotechnical Engineering Report
Proposed Amesbury Elementary School - Amesbury Elementary
20 South Hampton Road
Amesbury, Massachusetts

Dear Ms. Khazadian:

In accordance with our agreement dated May 14, 2018, GZA GeoEnvironmental, Inc. (GZA) is pleased to submit this preliminary geotechnical engineering report for the above-referenced project. The objectives of our services were to evaluate subsurface conditions and to provide preliminary geotechnical design and construction recommendations for a proposed elementary school adjacent to the existing Amesbury Elementary School at 20 South Hampton Road in Amesbury, Massachusetts (Site). Please note that this preliminary report is subject to the Limitations attached as **Appendix A**.

Elevations cited in this report are referenced to the National Geodetic Vertical Datum of 1929 (NGVD29).

BACKGROUND

Our understanding of the project is based on discussions with DINISCO DESIGN | architects + planners (DiNisco) and DGT Associates, our work at the Site and the following drawings:

- Site Plan entitled "Compiled Plan of Land in Amesbury, MA," prepared by Hancock Associates of Danvers, Massachusetts, dated May 21, 2018;
- Proposed Amesbury Elementary School Option Plans prepared by Dinisco provided on May 4, 2018; and
- A sketch provided by Dinisco dated Mary 31, 2018 indicating a portion of the Site as "Buildable Area".

The approximately 14-acre Site is currently the existing Amesbury Elementary School, which includes an existing two-story brick building and a one-story wood modular building, paved parking and access roads, playgrounds, a baseball field, and a wooded area to the west. Wetland areas have been identified to the north and west of the existing school, limiting the amount of buildable space at the Site. Based on conversations with the City of Amesbury Building Inspector, there are springs located on the hillside west of the existing school that drain down to the east. We understand that the existing school has a slab underdrain due to the high water table. The Site is surrounded by residential properties. The eastern portion of the site is generally flat,

with the wooded, western portion of the site sloping very steeply. The site elevations range between approximately elevation 70 and 170 feet; the elevations in the area around the existing school range between approximately 70 and 75 feet. Refer to **Figure 1** for a Site Locus. Existing Site conditions are shown in **Figure 2**.

We understand that proposed development of the Site is still under design. There are a number of options under consideration, one of which will likely include renovating the existing building and adding an addition to the east. Another option would be to construct a new school to the east of the existing school. No basement is planned.

SCOPE OF SERVICES

GZA performed the following scope of work:

1. Developed and executed a subsurface exploration program consisting of four soil borings to evaluate soil and groundwater conditions.

2. Performed gradation analyses on two selected samples collected from the borings to confirm field classifications and assist in evaluating potential on-site reuse of soils excavated during construction.

3. Developed preliminary geotechnical design and construction recommendations and prepared this report summarizing our findings.

SUBSURFACE EXPLORATIONS

New England Boring Contractors of Derry, New Hampshire performed four soil borings (GZA-1 through GZA-4) on June 9, 2018. The borings were performed in fields and parking areas to the east of the existing school. The borings were carried to depths of 16 to 22 feet below ground surface (bgs), which correspond to elevations ranging from about 49 to 57 feet. The borings were performed with a truck-mounted drill rig and advanced using hollow-stem auger drilling techniques.

In general, Standard Penetration Tests (SPTs) were performed, and split spoon samples were obtained, continuously in the top 10 feet and then at 5-foot intervals to the bottom of the borehole. The borings were backfilled with drill cuttings to the existing ground surface.

A GZA representative observed the borings, classified the soil samples and prepared the boring logs attached as **Appendix B**. The approximate boring locations are shown on **Figure 2**.

LABORATORY TESTING

Two soil samples obtained from the borings were submitted to Thielsch Laboratories in Cranston, Rhode Island for gradation analysis to confirm field classifications and assist in evaluating on-site reuse of soils excavated during construction. Geotechnical laboratory test results are attached as **Appendix C.**

SUBSURFACE CONDITIONS

<u>SOIL</u>

Below the existing asphalt or topsoil, subsurface conditions encountered in the borings generally consisted of the following strata: fill; silty clay; and sand and gravel. The borings were terminated in the sand and gravel stratum. Boring GZA-4 was

terminated due to auger refusal at a depth of 16 feet bgs, indicating the potential presence of bedrock or large boulders. Rock coring was not performed as part of this exploration program.

The soil strata encountered in the borings are described below in further detail. The depths and thicknesses referenced herein should be considered approximate. Refer to the borings logs attached as **Appendix B** for more detailed subsurface conditions at specific exploration locations.

Fill - Fill was encountered below the 6-inch-thick asphalt or 1-foot-thick topsoil in the borings. No topsoil was observed at boring GZA-2 which was performed just off of the existing pavement. The Fill was between approximately 4 and 7.8 feet in thickness and generally consisted of brown to gray, fine to coarse sand, with up to 50 percent gravel, up to 50 percent silt, and up to 10 percent roots. SPT N-Values within the Fill ranged from 5 to 49 blows per foot (bpf).

Silty Clay – Silty Clay was encountered below the fill layer in the borings at depths of between approximately 4 and 7.8 feet bgs, corresponding to approximate elevations between 65 and 69 feet, and was between approximately 3.3 and 12 feet in thickness. The Silty Clay generally consisted of olive, silty clay with up to 20 percent fine to medium sand. In the top 12 inches of this stratum in boring GZA-1, the soil was more granular and generally consisted of Sand with up to 35 percent Silt and 10 percent Gravel interbedded with Clayey Silt. SPT N-Values within the Silty Clay ranged from 7 to 34 bpf.

Sand and Gravel – Sand and Gravel was encountered in each boring at depths of between approximately 7.3 to 19 feet bgs, corresponding to approximate elevations between 53 and 65.7 feet. The Sand and Gravel generally consisted of brown to gray, fine to coarse sand, with between 35 and 50 percent gravel, and up to 20 percent silt. The borings were terminated in this stratum. Boring GZA-4 encountered auger refusal at a depth of 16 feet within the Sand and Gravel. SPT N-Values within the Sand and Gravel ranged from 17 bpf to split spoon refusal.

GROUNDWATER

Groundwater was observed in two of the borings (GZA-1 and GZA-4) shortly after completion of drilling at depths of approximately 6.1 and 6.6 feet, corresponding to elevations of between approximately 65.5 and 66.5 feet, respectively. This may be due to groundwater "perched" on the silty clay stratum. Groundwater measurements were deeper in borings GZA-2 and GZA-3, but those measurement are not considered indicative of actual conditions. We did observe that the ballfield and wetland areas to the north of the existing school to be wet at the time of drilling, which is indicative of a high groundwater table or perched groundwater conditions.

It should be noted that fluctuations in groundwater levels may occur due to variations in season, rainfall, site features and other factors different from those existing at the time of the explorations and measurements. During times of the year, we would expect the groundwater level to be higher than measured during the exploration program.

PRELIMINARY CONCLUSIONS AND RECOMMENDATIONS

The preliminary geotechnical design and construction recommendations presented below are based on our evaluation of the available data and design concepts provided to GZA and are subject to the limitations contained in **Appendix A**. References to the IBC refer to the International Building Code 2015 with Massachusetts State Building Code 9th Edition (MSBC) amendments.

FOUNDATION TYPE

We recommend a shallow foundation system consisting of spread and/or continuous footings bearing on undisturbed natural Silty Clay or on compacted Structural Fill placed over the Silty Clay, after removal of the existing asphalt, topsoil, fill and utilities. Structural Fill consists of off-site Granular Fill or Sand-Gravel Fill or on-site fill provided it does not contain debris and can be compacted as required herein. Recommended gradation requirements for Granular and Sand-Gravel Fill are presented in **Table 1**.

The recommended maximum net allowable bearing pressure for footings supported on the undisturbed natural soils or on Structural Fill placed over the undisturbed natural soils at this Site is two tons per square foot (2 tsf).

For foundations that are smaller than 3 feet wide, reduce the bearing value to one third of the above value multiplied by the least lateral footing dimension in feet. Continuous wall footings should be at least 18 inches wide and isolated footings at least 24 inches wide.

For frost protection, exterior footings and interior footings in unheated areas should bear at least 4 feet below final exterior grades. Interior footings in heated areas should bear at least 1.5 feet below top of slab.

SETTLEMENT

Preliminary estimated post construction settlement of the building foundations are on the order of 1 inch due to consolidation of the underlying clay layer. This estimate assumes that site grades are not raised more than 2 or 3 feet. Further settlement analyses should be conducted once the site grades and building layout are known.

BUILDING SLAB

Slab-on-grade construction is recommended for proposed floor slabs. Provide a base course consisting of at least 8-inches of compacted ¾-inch Crushed Stone below the proposed building slab. The stone will also serve as part of the slab underdrain system as discussed below. Existing fill may be left in place beneath proposed slab areas, provided that the subgrade is stable during proof compaction. A layer of non-woven filter fabric (such as Mirafi 140N) should be provided between the Crushed Stone and subgrade soils.

PERMANENT GROUNDWATER CONTROL

Based on our observations of the wet conditions in the existing ballfield, conversations with the building inspector, and the proximity to existing wetlands on the north side of the Site, we recommend a perimeter drain and a slab underdrain system for any proposed building areas to address high groundwater periods. Additional groundwater measurements are recommended prior to final design to observe stabilized groundwater conditions.

For preliminary design purposes, the slab underdrain should consist of a series of underdrain pipes within the 8-inch-thick base course layer of ¾ -inch Crushed Stone placed immediately below the basement level slab grade. The underdrain pipes should consist of 4-inch diameter, perforated Schedule 80 polyvinyl chloride (PVC) pipes placed above the bottom of footing elevation, and spaced approximately 20 to 30 feet apart. The pipes should be surrounded by at least 4 inches of Crushed Stone which will require the base course to be thickened to at least 12 inches at pipe locations.

A perimeter drain should be provided along the exterior of the foundation walls. The perimeter drain should consist of 4-inch-diameter perforated PVC pipe installed above the bottom of perimeter footing elevations and below top of the adjacent slab. The perimeter drain should be surrounded by at least 6 inches of ¾-inch Crushed Stone wrapped in a

non-woven filter fabric. Free draining Sand-Gravel backfill (required gradation provided in **Table 1**) should be placed within 3 feet horizontally of the perimeter foundation walls and hydraulically connect to the perimeter drain.

The underdrain and perimeter drains should drain by gravity to an interior sump or manhole outside the building. Provide cleanouts for the underdrain and perimeter drains. In addition, provide backflow preventer valves. The project civil engineer should select the final discharge location. Local, state and/or federal permits may be required depending on the drains' final discharge point.

SEISMIC DESIGN

Soils encountered in the building area are not considered susceptible to liquefaction based on criteria set forth in Section 1806.4 of the MSBC. In accordance with Section 1613.5.2 of the IBC, we recommend that Site Class D be used for seismic design assuming that building foundations are designed and constructed as recommended herein. In accordance with Table 1604.11 of the MSBC, the recommended values of S_S and S_1 for the Site are 0.267 and 0.078, respectively.

CONSTRUCTION CONSIDERATIONS

Footing Subgrade Preparation

Existing fill should be removed within the bearing zone of proposed footings to natural Silty Clay and replaced with compacted Structural Fill. The bearing zone is defined as the zone extending at a 1H:1V slope down and outward from 1 foot outside the bottom edges of the footing to natural, undisturbed Silty Clay.

Structural Fill consists of off-site Granular Fill or Sand-Gravel or ¾-inch Crushed Stone. Recommended gradation requirements for Granular Fill and Sand-Gravel are presented in **Table 1**. The recommended minimum compaction for fill placed within the building area is to be 95 percent of maximum dry density as defined by ASTM D-1557 Method C. When placed, Crushed Stone should be placed in maximum 6-inch-thick lifts and compacted to an unyielding surface. If Crushed Stone is placed in thicknesses greater than 4 inches, it should be wrapped in non-woven filter fabric such as Mirafi 140N.

Final excavations to footing subgrade should not be made until the areas are ready for fill or concrete placement. Footing locations should be excavated to the bottom of footing elevation with a smooth edge bucket, if practical, to mitigate disturbance of the subgrade. Loose or disturbed material should be removed by hand. After excavation to footing subgrade and assuming all work is performed "in the dry", as recommended herein, natural granular material footing subgrade soils (if any) should be proof-compacted prior to filling or concrete placement with at least six passes of a large vibratory plate compactor. Weak or soft spots identified during proof-compaction should be over-excavated and replaced with compacted Structural Fill.

Slab Subgrade Preparation

Existing fill soils may be left in place below slab base course elevation after removal of pavement and topsoil, provided the fill is stable when proof-compacted with at least six passes of a large plate compactor. Over-excavate any weak or soft spots identified during proof-compaction and replace with compacted Sand-Gravel Fill. Recommended gradation requirements are presented in **Table 1**.

Construction Dewatering

Based on the observed groundwater levels in the borings and generally wet site conditions on the north side of the school, construction dewatering will be required to construct footings and utilities "in the dry." We anticipate that dewatering may be accomplished using localized sumps and pumps. Pumped groundwater will need to be treated to remove total suspended solids (at a minimum) prior to discharge to an off-site drain. All construction dewatering should be conducted in accordance with local, state and federal regulations.

Reuse of Existing Materials

Based on visual classifications and laboratory analyses the existing fill and Silty Clay will not meet the gradation requirements for Granular Fill and Sand-Gravel fill. However, the on-site fill may be reused as Structural Fill provided it can be sufficiently compacted and are free from debris and organics. Similarly, if excavated, the on-site Sand and Gravel may be used for Structural fill provided it can be sufficiently compacted. Fill for use as building slab and pavement base course will need to be imported to the Site.

Excess soil generated during construction that cannot be reused on-site should be disposed of in accordance with applicable local, state and federal regulations. Off-site disposal of excess soils will require chemical precharacterization testing of the soils to assess disposal options.

FINAL DESIGN AND CONSTRUCTION

We trust the information presented herein is sufficient for your use in the preliminary design of the proposed development. It is recommended that GZA be retained for the following additional services during final design and construction of the building:

- Perform additional explorations, including installation of a groundwater observation well, and prepare a final geotechnical report after proposed building location and site grading are confirmed.
- Perform environmental characterization testing to evaluate potential disposal locations for excavated soils.
- Review near-final design foundation and grading plans for conformance with our recommendations and understanding of the project.
- Prepare geotechnical-related specifications.
- Review Contractor's geotechnical-related submittals for general conformance with our recommendations and the project foundation plans and geotechnical specifications.
- Observe and document earthwork and footing subgrade preparation for general conformance with our report recommendations and the project foundation plans and geotechnical specifications. The MSBC requires that a Professional Engineer (P.E.) registered in Massachusetts (or the P.E.'s representative) observe foundation installation and fill placement in building areas.

We thank you for the opportunity to work on this project and would look forward to our continued involvement. Please do not hesitate to contact the undersigned if you have any questions.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

Heather L. Audet, P.E.
Senior Project Manager

Bruce W. Fairless, P.E.
Consultant/Reviewer

Mary B. Hall, P.E.
Senior Principal

Attachments: Table
Figures
Appendix A – Limitations
Appendix B – Boring Logs
Appendix C – Geotechnical Laboratory Test Results

J:\170,000-179,999\173748\173748-00.HLA\REPORT\AES\173748 AES-Prelim Geotech Rep 7-11-18.docx

TABLE

Proposed Woodsom Farms Elementary School
Amesbury, MA

TABLE 1
RECOMMENDED USE AND GRADATION CRITERIA FOR FILL MATERIALS

Granular Fill: Within building area below slab-on-grade base course.
Within 2 feet of pavement basecourse.

Sand-Gravel: For use as slab-on-grade and pavement base course and as backfill within three feet laterally of below grade walls.

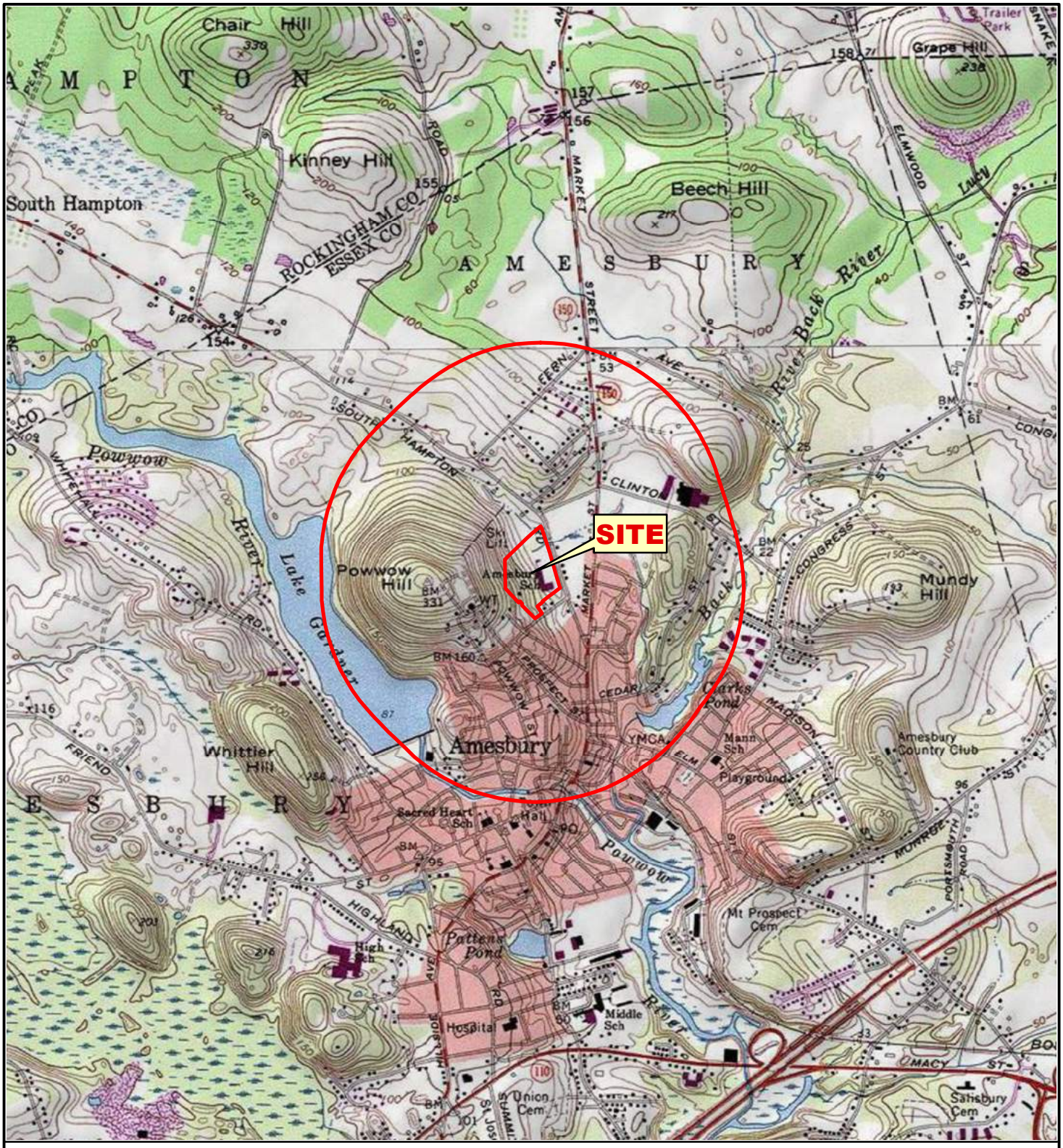
Crushed Stone: For use in bottom of excavations to aid in construction dewatering and maintaining subgrade stability during wet conditions, backfill behind walls, and in confined areas.

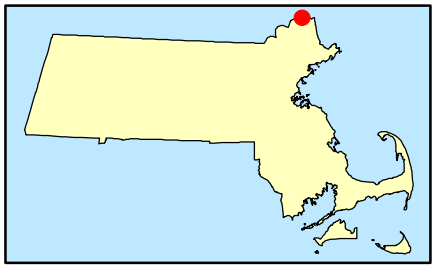
Ordinary Fill: General landscape areas, or more than 2 feet below pavement.

GRADATION REQUIREMENTS

Sieve Size	Percent Finer by Weight
Granular Fill shall be free from ice and snow, roots, sod, rubbish and other deleterious or organic matter. Structural Fill shall conform to the following gradation requirements:	
⅔ of the loose lift thickness	100
No. 10	30 - 95
No. 40	10 - 70
No. 200	*0 - 15 * 0 -8 for backfill behind walls
Sand-Gravel shall consist of durable sand and gravel and shall be free from ice and snow, roots, sod, rubbish and other deleterious or organic matter. Sand-Gravel shall conform to the following gradation requirements:	
3 inch	100
½ inch	50 - 85
No. 4	40 - 75
No. 40	10 - 35
No. 200	0 - 8
Crushed Stone shall consist of durable crushed rock or durable crushed gravel stone and shall be free from ice and snow, clay, loam and other deleterious material. Crushed Stone shall conform to the following gradation requirements:	
1 inch	100
3/4 inch	90 - 100
1/2 inch	10 - 50
3/8 inch	0 - 20
No. 4	0 - 5
Ordinary Fill	Ordinary Fill shall be free from trash, ice, snow, tree stumps, roots, organic materials, and other deleterious matter. Ordinary Fill shall contain no stone greater than two-thirds (⅔) the loose lift thickness with a maximum stone size of six (6) inches in diameter and contain no more than 30% passing the No. 200 sieve. It shall have physical properties such that it can be readily spread and compacted during filling.

FIGURES





SOURCE : USGS TOPOGRAPHIC QUADRANGLES SCANNED BY THE NATIONAL GEOGRAPHIC SOCIETY & I-CUBED, COPYRIGHT 2011

Data Supplied by : esri

0 1,000 2,000 4,000 6,000

SCALE IN FEET

N W E S

GZA	PROJ. MGR.: HLA DESIGNED BY: HLA REVIEWED BY: MBH OPERATOR: SMW DATE: 07-04-2018	LOCUS PLAN SHOWING HALF MILE OFFSET	JOB NO. 01.0173748.00
		AMESBURY ELEMENTARY SCHOOL 20 SOUTH HAMPTON ROAD AMESBURY, MASSACHUSETTS	FIGURE NO. 1

© 2018 - GZA GeoEnvironmental, Inc., J:\170,000-179,999\173748\173748-00.HLA\FIGURES\Amesbury_Elementary_School\173748_AES_LocusPlan_FIG1.mxd, 7/4/2018, 1:04:02 AM, elaine.donohue



LEGEND

GZA-1 BORING PERFORMED BY NEW ENGLAND BORING CONTRACTORS, INC. OF DERRY, NEW HAMPSHIRE ON JUNE 9, 2018. OBSERVED AND LOGGED BY GZA PERSONNEL.

APPROXIMATE PROPERTY BOUNDARY

SOURCE

1) THE MASSACHUSETTS 2013-2014 USGS COLOR ORTHO IMAGERY IS PRODUCED AND MAINTAINED BY THE USGS EARTH RESOURCES OBSERVATION AND SCIENCE CENTER IN SIOUX CITY, SD. AND WAS DISTRIBUTED AS A MAP SERVICE BY MASSGIS ON APRIL 20, 2017.

2) THE LEVEL-3 ASSESSORS' PARCEL MAPPING DATA SET WAS DEVELOPED THROUGH COMPETITIVE PROCUREMENT FUNDED BY MASSGIS. THE SPECIFICATION FOR THIS WORK WAS LEVEL 3 OF THE MASSGIS DIGITAL PARCEL STANDARD. THE DATA WAS DISTRIBUTED BY MASSGIS IN MAY 2018.

3) THE LOCATIONS OF THE BORINGS WERE APPROXIMATELY DETERMINED BY TAPE MEASUREMENTS FROM EXISTING TOPOGRAPHIC AND MAN-MADE FEATURES. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

0 40 80 160

SCALE IN FEET

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

AMESBURY ELEMETARY SCHOOL
20 SOUTH HAMPTON ROAD
AMESBURY, MASSACHUSETTS

EXPLORATION LOCATION PLAN

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: DiNisco Design	
PROJ MGR: HLA	REVIEWED BY: MBH	CHECKED BY: BWF	FIGURE 2
DESIGNED BY: HLA	DRAWN BY: EMD	SCALE: 1 " = 80 FEET	
DATE: 07/04/2018	PROJECT NO. 01.0173748.00	REVISION NO.	

© 2018 - GZA GeoEnvironmental, Inc. J:\170,000-179,999\173748\173748-00.HLA\FIGURES\Amesbury_Elementary_School\173748_AES_ExplorationLocationPlan_Figure2.mxd, 7/4/2018, 2:06:42 AM, elaine.donohue

APPENDIX A - LIMITATIONS

USE OF REPORT

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of our Client for the stated purpose(s) and location(s) identified in the Proposal for Services and/or Report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the contract documents, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

STANDARD OF CARE

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in Proposal for Services and/or Report, and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. If conditions other than those described in this report are found at the subject location(s), or the design has been altered in any way, GZA shall be so notified and afforded the opportunity to revise the report,as appropriate, to reflect the unanticipated changed conditions .

3. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made.

4. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

SUBSURFACE CONDITIONS

5. The generalized soil profile(s) provided in our Report are based on widely-spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs. The nature and extent of variations between these explorations may not become evident until further exploration or construction. If variations or other latent conditions then become evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

6. In preparing this report, GZA relied on certain information provided by the Client, state and local officials, and other parties referenced therein which were made available to GZA at the time of our evaluation. GZA did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this evaluation.

7. Water level readings have been made in test holes (as described in this Report) at the specified times and under the stated conditions. These data have been reviewed and interpretations have been made in this Report. Fluctuations in the level of the groundwater however occur due to temporal or spatial variations in areal recharge rates, soil heterogeneities, the presence of subsurface utilities, and/or natural or artificially induced perturbations. The water table encountered in the course of the work may differ from that indicated in the Report.

8. Recommendations for foundation drainage, waterproofing, and moisture control address the conventional geotechnical engineering aspects of seepage control. These recommendations may not preclude an environment that allows the infestation of mold or other biological pollutants.

COMPLIANCE WITH CODES AND REGULATIONS

9. We used reasonable care in identifying and interpreting applicable codes and regulations. These codes and regulations are subject to various, and possibly contradictory, interpretations. Compliance with codes and regulations by other parties is beyond our control.

ADDITIONAL SERVICES

10. GZA recommends that we be retained to provide services during any future: site observations, design, implementation activities, construction and/or property development/redevelopment. This will allow us the opportunity to: i) observe conditions and compliance with our design concepts and opinions; ii) allow for changes in the event that conditions are other than anticipated; iii) provide modifications to our design; and iv) assess the consequences of changes in technologies and/or regulations.

APPENDIX B - BORING LOGS

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Proposed Amesbury Elementary School
Amesbury Elementary School
20 South Hampton Road
Amesbury, Massachusetts

BORING NO.: GZA-1
SHEET: 1 of 1
PROJECT NO: 01.0173748.00
REVIEWED BY: HLA

Drilling Co.: New England Boring Contractors	**Type of Rig:** Truck Mounted	**Boring Location:** See Plan	**H. Datum:** See Plan
Foreman: Ken Smith	**Rig Model:** Mobile 47	**Ground Surface Elev. (ft.):** 71.5	**V. Datum:** NGVD 29
Logged By: Alex Karp	**Drilling Method:** HSA	**Final Boring Depth (ft.):** 22	
		Date Start - Finish: 6/9/2018 - 6/9/2018	

Auger/Casing Type: HSA	**Sampler Type:** Split Spoon	
I.D/O.D.(in): 2.25/5.625"	**I.D./O.D. (in.):** 1.375/2	
Hammer Weight (lb.): N/A	**Sampler Hmr Wt (lb):** 140	
Hammer Fall (in.): N/A	**Sampler Hmr Fall (in):** 30	
Other:	**Other:** Auto Hammer	

Groundwater Depth (ft.)

Date	Time	Water Depth	Casing	Stab. Time
06/09/2018	1015	6.1 ft.	20 ft.	0.25 hr.

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		S-1	0.5-2	18	7	4 4 3	7	S-1: Dry to moist, loose, fine to coarse SAND and GRAVEL, trace Silt, trace Debris (Asphalt pavement), trace (-) Roots (Fill)	1 2		0.5'	ASPHALT PAVEMENT	70.5'
		S-2	2-4	24	16	5 9 8 10	17	S-2: Moist, medium dense, gray to brown, fine to coarse SAND, little (-) Silt, trace Gravel.	3			FILL	
5		S-3	4-6	24	12	5 6 5 6	11	S-3: Moist to wet, medium dense, brown to grey, fine to coarse SAND, little (-) Silt, trace Gravel.			6'		65.0'
		S-4	6-8	24	5	7 10 13 14	23	S-4: Moist, medium dense, brown/gray, fine to medium SAND, some Silt, trace Gravel, interbedded Clayey Silt.	4		7'	SILTY SAND	64.0'
		S-5	8-10	24	24	14 14 14 15	28	S-5: Very stiff, olive, Silty CLAY, little (-) fine to medium Sand. Tv= 0.90, 0.85 tsf. PP=3.3, 3.6 tsf.	5				
10												SILTY CLAY	
15		S-6	15-17	24	24	1 10 18 10	28	S-6: Very stiff, olive Silty CLAY, trace partings of fine Sand spaced 1 to 4-inches +/-\ throughout, trace Gravel (Bottom 8-inches of split spoon). Tv= 0.66, 0.63 tsf. PP=1.8, 1.6 tsf.			18'		53.0'
									6				
20		S-7	20-22	24	12	8 9 9 16	18	S-7: Wet, medium dense, gray, fine to coarse SAND, some Gravel, little (-) Silt.				SAND AND GRAVEL	
									7		22'		49.0'
								Bottom of boring at 22 feet.					
25													

REMARKS

1. Ground surface elevation estimated from a plan entitled "Compiled Plan of Land in Amesbury, MA," prepared by Hancock Associates and dated May 21, 2018.
2. Advanced auger through approximately 6-inches of asphalt pavement at ground surface.
3. Gravel in tip of Sample S-1.
4. Possible strata break in tip of Sample S-3.
5. Gravel in tip of Sample S-4.
6. Observed increased auger resistance and rig chatter approximately 18-feet bgs.
7. Terminated borehole approximately 22-feet bgs. Upon completion, borehole was backfilled with cuttings and finished with approximately 6-inches of asphalt cold patch flush to existing grade.

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Boring No.: GZA-1

01.0173748.00.GPJ; STRATUM ONLY; 7/10/2018

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Proposed Amesbury Elementary School
Amesbury Elementary School
20 South Hampton Road
Amesbury, Massachusetts

BORING NO.: GZA-2
SHEET: 1 of 1
PROJECT NO: 01.0173748.00
REVIEWED BY: HLA

Drilling Co.: New England Boring Contractors
Foreman: Ken Smith
Logged By: Alex Karp

Type of Rig: Truck Mounted
Rig Model: Mobile 47
Drilling Method: HSA

Boring Location: See Plan
Ground Surface Elev. (ft.): 74
Final Boring Depth (ft.): 22
Date Start - Finish: 6/9/2018 - 6/9/2018

H. Datum: See Plan
V. Datum: NGVD 29

Auger/Casing Type: HSA
I.D/O.D.(in): 2.25/5.625"
Hammer Weight (lb.): N/A
Hammer Fall (in.): N/A
Other:

Sampler Type: Split Spoon
I.D./O.D. (in.): 1.375/2
Sampler Hmr Wt (lb): 140
Sampler Hmr Fall (in): 30
Other: Auto Hammer

Groundwater Depth (ft.)

Date	Time	Water Depth	Casing	Stab. Time
06/09/2018	1200	18.6 ft.	20 ft.	0.25 hr.

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Sample Pen. (in)	Sample Rec. (in)	Sample Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		S-1	0-2	24	12	7 6 8 16	14	S-1: Dry, medium dense, gray to brown, fine to coarse SAND and GRAVEL, trace Silt, trace (-) Roots.	1				
		S-2	2-4	24	14	20 31 18 12	49	S-2: Dry to moist, dense, brown, GRAVEL, some fine to coarse Sand, trace Silt, trace (-) Roots.	2			FILL	
5		S-3	4-6	24	13	3 4 5 7	9	S-3: Moist, loose, brown to dark gray, fine to medium SAND and SILT, trace Gravel, trace Roots/Wood Fiber.					
		S-4	6-8	24	17	7 10 10 11	20	S-4: Medium dense, brown to dark gray, fine to medium SAND and SILT, trace (-) Gravel, trace Roots (slight H2S odor), trace interbedded Clay, 3-inches from tip of spoon.			7.8'		66.2'
		S-5	8-10	24	24	12 12 13 16	25	S-5: Very stiff, olive, Silty CLAY, trace fine to medium Sand interbedded throughout PP>4.5/Tv=1.10, 1.15 tsf..					
10												SILTY CLAY	
15		S-6	15-17	24	24	3 3 4 5	7	S-6: Medium stiff, olive, Silty CLAY, trace fine Sand. Tv=0.60, 0.61 tsf.. PP=1.7 tsf..					
									3		19'		55.0'
20		S-7	20-22	24	10	31 21 16 16	37	S-7: Wet, dense, gray, fine to coarse SAND and GRAVEL, trace (+) Silt.	4 5			SAND AND GRAVEL	
											22'		52.0'
								Bottom of boring at 22 feet.					
25													

REMARKS

1. Ground surface elevation estimated from a plan entitled "Compiled Plan of Land in Amesbury, MA," prepared by Hancock Associates and dated May 21, 2018.
2. Gravel stuck in tip of split spoon S-2.
3. Observed increased auger resistance and rig chatter approximately 19-feet bgs.
4. Terminated borehole approximately 22-feet bgs. Upon completion the borehole was backfilled up to existing grade with cuttings.
5. Reported groundwater level not anticipated to be representative of site conditions.

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Boring No.: GZA-2

01.0173748.00.GPJ; STRATUM ONLY; 7/10/2018

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Proposed Amesbury Elementary School
Amesbury Elementary School
20 South Hampton Road
Amesbury, Massachusetts

BORING NO.: GZA-3
SHEET: 1 of 1
PROJECT NO: 01.0173748.00
REVIEWED BY: HLA

Drilling Co.: New England Boring Contractors
Foreman: Ken Smith
Logged By: Alex Karp

Type of Rig: Truck Mounted
Rig Model: Mobile 47
Drilling Method: HSA

Boring Location: See Plan
Ground Surface Elev. (ft.): 71
Final Boring Depth (ft.): 17
Date Start - Finish: 6/9/2018 - 6/9/2018

H. Datum: See Plan
V. Datum: NGVD 29

Auger/Casing Type: HSA
I.D/O.D.(in): 2.25/5.625"
Hammer Weight (lb.): N/A
Hammer Fall (in.): N/A
Other:

Sampler Type: Split Spoon
I.D./O.D. (in.): 1.375/2
Sampler Hmr Wt (lb): 140
Sampler Hmr Fall (in): 30
Other: Auto Hammer

Groundwater Depth (ft.)

Date	Time	Water Depth	Casing	Stab. Time
06/09/2018	1530	14.3 ft.	15 ft.	0.25 hr.

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Sample Pen. (in)	Sample Rec. (in)	Sample Blows (per 6 in.)	Sample SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		S-1	0-2	24	19	1 2 5 16	7	S-1A: Moist, dark brown, fine to medium SAND and Silt, trace Gravel, trace Roots/Vegetation (topsoil). S-1B: Bottom 7": Brown, fine to coarse SAND, some Gravel, little (-) Silt, trace Roots.	1		1'	TOPSOIL	70.0'
		S-2	2-4	24	14	11 11 8 9	19	S-2: Moist, medium dense, brown, SILT, some fine to coarse Gravel, some fine to coarse Sand.				FILL	
5		S-3	4-6	24	20	3 2 3 5	5	S-3A: Top 4": Moist, brown, fine to coarse SAND, little Silt, trace Gravel. S-3B: Bottom 16": Moist, brown/gray, fine to medium SAND and SILT, trace interbedded Clayey Silt, trace Roots/Fibers.			6'		65.0'
		S-4	6-8	24	18	10 13 13 16	26	S-4: Very stiff, olive, Silty CLAY, trace Sand, throughout. Tv=0.85, 0.90 tsf.. PP>4.5 tsf..					
		S-5	8-10	24	20	16 17 17 17	34	S-5: Hard, olive, Silty CLAY, trace fine Sand. Tv=1.1, 0.95 tsf.. PP>4.5 tsf..				SILTY CLAY	
10													
15		S-6	15-17	24	7	9 8 9 8	17	S-6: Wet, medium dense, gray, fine to coarse SAND and GRAVEL, little (-) Silt.	2 3		15'	SAND AND GRAVEL	56.0'
								Bottom of boring at 17 feet.			17'		54.0'
20													
25													

REMARKS

1. Ground surface elevation estimated from a plan entitled "Compiled Plan of Land in Amesbury, MA," prepared by Hancock Associates and dated May 21, 2018.
2. Terminated borehole approximately 17-feet bgs. Upon completion, the borehole was backfilled with cuttings up to existing ground surface.
3. Reported groundwater level not anticipated to be representative of site conditions.

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Boring No.: GZA-3

01.0173748.00.GPJ; STRATUM ONLY; 7/10/2018

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Proposed Amesbury Elementary School
Amesbury Elementary School
20 South Hampton Road
Amesbury, Massachusetts

BORING NO.: GZA-4
SHEET: 1 of 1
PROJECT NO: 01.0173748.00
REVIEWED BY: HLA

Drilling Co.: New England Boring Contractors	**Type of Rig:** Truck Mounted	**Boring Location:** See Plan	**H. Datum:** See Plan
Foreman: Ken Smith	**Rig Model:** Mobile 47	**Ground Surface Elev. (ft.):** 73	**V. Datum:** NGVD 29
Logged By: Alex Karp	**Drilling Method:** HSA	**Final Boring Depth (ft.):** 16	
		Date Start - Finish: 6/9/2018 - 6/9/2018	

Auger/Casing Type: HSA	**Sampler Type:** Split Spoon
I.D/O.D.(in): 2.25/5.625"	**I.D./O.D. (in.):** 1.375/2
Hammer Weight (lb.): N/A	**Sampler Hmr Wt (lb):** 140
Hammer Fall (in.): N/A	**Sampler Hmr Fall (in):** 30
Other:	**Other:** Auto Hammer

Groundwater Depth (ft.)

Date	Time	Water Depth	Casing	Stab. Time
06/09/2018	1400	6.6 ft.	15 ft.	0.2 hr.

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Sample Pen. (in)	Sample Rec. (in)	Sample Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
											0.5'	ASPHALT PAVEMENT	72.5'
		S-1	0.5-2	18	11	17 15 8	23	S-1: Dry, dense, brown, fine to coarse SAND and GRAVEL, little (-) Silt, trace Root. trace Asphalt pavement	1 2				
		S-2	2-4	24	24	5 6 10 3	16	S-2: Moist, medium dense, brown to gray, fine to medium SAND, some Silt, trace Gravel, trace (-) Root.				FILL	
											4'		69.0'
5		S-3	4-6	24	23	5 6 8 9	14	S-3: Dry, stiff, gray to brown, Clayey SILT, trace fine to coarse Sand, trace interbedded Silty Clay.				CLAYEY SILT	
		S-4	6-8	24	24	8 10 13 14	23	S-4A: Top 16": Moist, olive to brown, Clayey SILT, trace fine Sand. S-4B: Bottom 8": Moist to wet, brown, fine to coarse SAND, little Gravel, little Silt.			7.3'		65.7'
		S-5	8-10	24	20	15 14 14 14	28	S-5: Moist, medium dense, brown, fine to coarse SAND and GRAVEL, little Silt.					
10									3			SAND AND GRAVEL	
15		S-6	15-17	8	5	4 50/2" R	R	S-6: Wet, very dense, gray, fine to coarse SAND and GRAVEL, little (-) Silt.	4		16'		57.0'
								Bottom of boring at 16 feet.	5 6				
20													
25													

REMARKS

1. Ground surface elevation estimated from a plan entitled "Compiled Plan of Land in Amesbury, MA," prepared by Hancock Associates and dated May 21, 2018.
2. Augered through approximately 6-inches of asphalt pavement at ground surface and drove split spoon S-1, 0.5 to 2-feet bgs.
3. Auger resistance and rig chatter consistent with sand and gravel 10 to 15-feet bgs.
4. Encountered split spoon refusal at approximately 15.7-feet bgs.
5. Encountered auger refusal at approximately 16-feet bgs.
6. Terminated borehole approximately 16-feet bgs. Upon completion, the borehole was backfilled with cuttings and finished with an approximately 6-inch thick layer of asphalt cold patch flush to existing ground surface.

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Boring No.: GZA-4

01.0173748.00.GPJ; STRATUM ONLY; 7/10/2018

APPENDIX C - GEOTECHNICAL LABORATORY TEST RESULTS

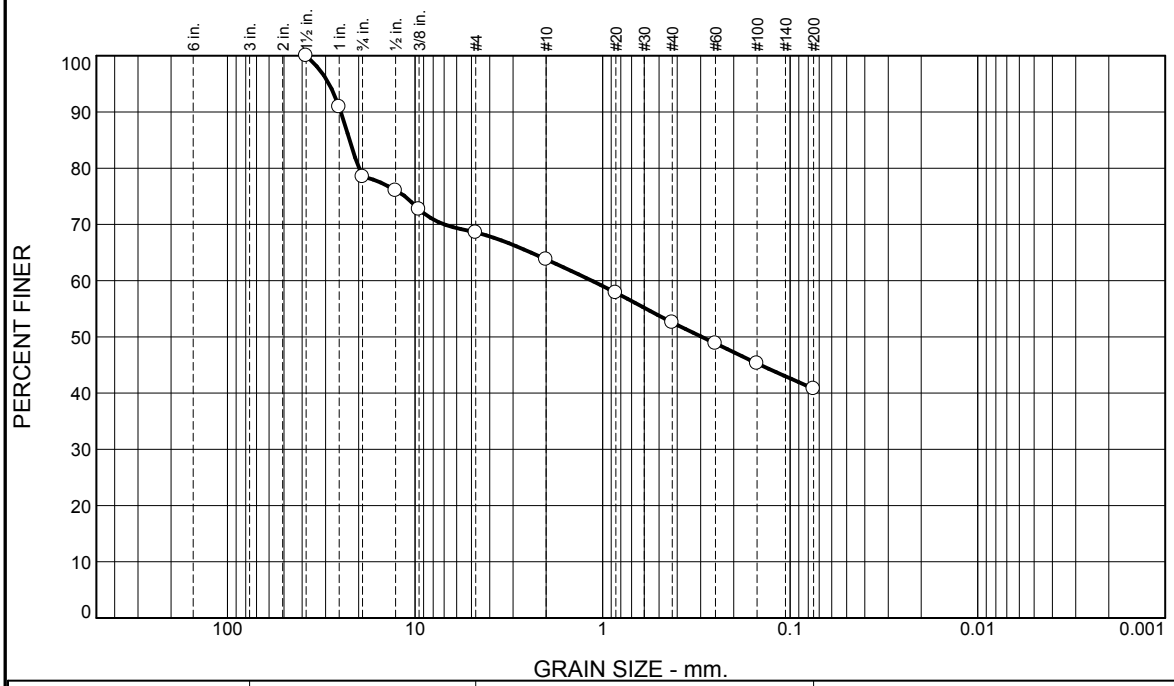
THIELSCH ENGINEERING	195 Frances Avenue Cranston RI, 02910 Phone: (401)-467-6454 Fax: (401)-467-2398 http://www.thielsch.com *Let's Build a Solid Foundation*	Client Information: GZA GeoEnvironmental, Inc Norwood, MA PM: Heather Audet Assigned By: H. Audet Collected By: A. Karp	Project Information: **Amesbury Elem. School - WF** **Amesbury, MA** GZA Project Number: 01.0173748.10 Summary Page: 1 of 1 Report Date: 06.15.18

LABORATORY TESTING DATA SHEET

Boring ID	Sample No.	Depth (ft)	Laboratory No.	Identification Tests								Proctor / CBR / Permeability Tests								Laboratory Log and Soil Description
				Water Content %	LL %	PL %	Gravel %	Sand %	Fines %	Org. %	G_s	Dry unit wt. pcf	Test Water Content %	γ_d MAX (pcf) W_{opt} (%)	γ_d MAX (pcf) W_{opt} (%) (Corr.)	Test Setup as % of Proctor	CBR @ 0.1"	CBR @ 0.2"	Perme-ability cm/sec	
GZA-3	S-2	2-4	S-1				31.4	27.8	40.8											Brown SILT, some f-c Gravel, some f-c Sand
GZA-4	S-3	4-6	S-2				0.0	0.6	99.4											Grey CLAYEY SILT, trace f-c Sand

Reviewed By _____ Date Reviewed 06.15.2018

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	21.5	9.9	4.8	11.2	11.8	40.8	

Test Results (D6913 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5"	100.0		
1"	90.9		
0.75"	78.5		
0.5"	76.0		
0.375"	72.7		
#4	68.6		
#10	63.8		
#20	57.9		
#40	52.6		
#60	48.8		
#100	45.3		
#200	40.8		

* (no specification provided)

Material Description

Brown SILT, some f-c Gravel, some f-c Sand

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= GM **AASHTO (M 145)=** A-4(0)

Coefficients

D_{90}= 24.8522 D_{85}= 22.3286 D_{60}= 1.1428
D_{50}= 0.2956 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Remarks

Sample visually classified as non-plastic.

Date Received: 06/13/18 **Date Tested:** 06/15/18

Tested By: AV

Checked By: Steven Accetta

Title: Laboratory Manager

Source of Sample: Boring **Depth:** 2-4' **Date Sampled:**
Sample Number: GZA-3/S-2

Thielsch Engineering Inc.

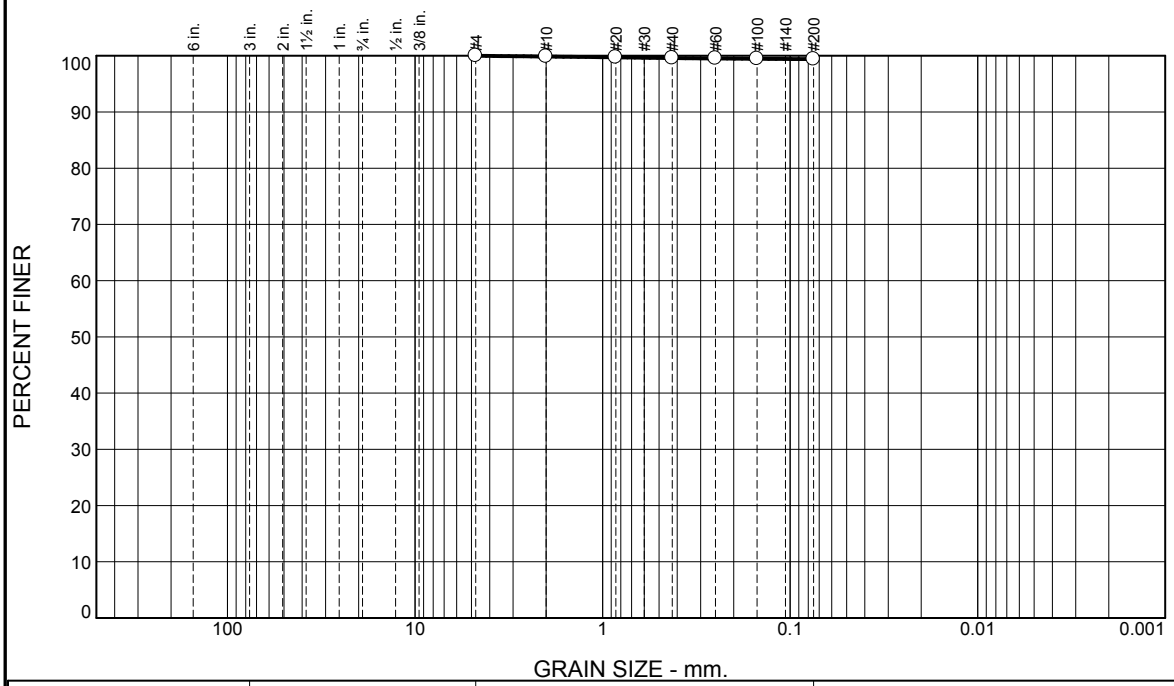
Cranston, RI

Client: GZA GeoEnvironmental

Project: Amesbury Elementary School
Amesbury, MA

Project No: 01.0173748.10 **Figure** S-1

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.1	0.3	0.2	99.4	

Test Results (D6913 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
#4	100.0		
#10	99.9		
#20	99.7		
#40	99.6		
#60	99.5		
#100	99.5		
#200	99.4		

* (no specification provided)

Material Description

Grey CLAYEY SILT, trace f-c Sand

Atterberg Limits (ASTM D 4318)

PL= LL= PI=

Classification

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

Coefficients

D_{90}= D_{85}= D_{60}=
D_{50}= D_{30}= D_{15}=
D_{10}= C_u= C_c=

Remarks

Sample was visually classified as plastic. Sample rolled to 1/4".

Date Received: 06/13/18 **Date Tested:** 06/15/18

Tested By: AV

Checked By: Steven Accetta

Title: Laboratory Manager

Source of Sample: Boring **Depth:** 4-6' **Date Sampled:**
Sample Number: GZA-4/S-3

Thielsch Engineering Inc.

Cranston, RI

Client: GZA GeoEnvironmental

Project: Amesbury Elementary School
Amesbury, MA

Project No: 01.0173748.10 **Figure** S-2

RPF Environmental
TESTING & CONSULTING SERVICES
Hazardous Materials Inspection & Assessment
Asbestos, Mold, Lead Paint, Radon, PCBs
Air Quality Testing and Investigations
Industrial Hygiene, Safety & Training

March 16, 2016

Deirdre Farrell
Amesbury Public Schools
Assistant Superintendent
5 Highland Street
Amesbury, MA 01913-2215

Re: 3-Year AHERA Reinspection
RPF File 167123

Dear Ms. Farrell,

RPF Environmental, Inc. (RPF) conducted an asbestos reinspection for the Amesbury Public Schools on February 18, 2016. Following the site work, RPF completed the associated reporting, management planner review and material assessments. The reinspection was completed in accordance with Part 763.85 (b) of 40 CFR Part 763, Subpart E - Asbestos Hazard Emergency Response Act (AHERA). The scope of services for the reinspection included a visual inspection of the areas known to contain asbestos-containing building materials (ACBM) and assumed ACBM as stated in the AHERA inspection records provided to RPF for review.

Buildings included in this reinspection included the Amesbury Elementary School and Cashman Elementary School.

Records used to conduct the reinspection included the initial AHERA survey listings performed by Dennison in 1988 and the 2012 RPF 3 year Reinspection.

This reinspection report should be filed with the AHERA Plans for each school building as well as the central office. Appendix A contains a listing of the ACBM reinspected during this project and the AHERA assessment and minimum recommended actions for each area of ACBM in the School. Appendix B includes other general comments and recommendations for compliance with the current State and federal regulations and industry standards. Methodology and limitations for this reinspection are provided in Appendix C. The Asbestos Program Manager (AHERA-designated person) for the School is required, pursuant to the AHERA Rule, to review this report and the appendices and develop a written plan to implement recommendations for management, abatement or additional testing work, as applicable.

Assessments and Recommendations

Appendix A contains the room by room listings for each school building. The first page in Appendix A is an index sheet containing a description of codes referenced on the room by room listings.
In general the ACBM inspected by RPF during this reinspection was observed to be in good to fair condition and the School should continue to manage the materials in accordance with the AHERA Management Plan.

It is important to note that RPF observed locations that have damaged ACBM present, for example in the Amesbury Elementary School, damaged pipe fittings was observed in the kitchen and storage across from the cafeteria, damaged and loose floor tiles were observed in stairwell #8. All areas with damaged ACBM listed should be addressed as soon as feasible, and care must be used to prevent further disturbance and to avoid the creation of dust. See the attached room by room inventory sheet for all locations with damaged ACBM. In addition, as indicated on the attached listings, conflicting information exists pertaining to some of the flooring materials present in the Amesbury Elementary School and further testing and review should be performed when feasible and prior to any disturbance or removal work.

ACBM maintenance or repair activity must be conducted by properly trained personnel using proper personal protective equipment. (**Important note**: Prior to renovation or demolition activity, additional inspection and testing by a licensed inspector is required to satisfy current state, EPA and OSHA requirements.). Asbestos response actions, as defined by AHERA, must be detailed in a specification (project design) prepared by a licensed asbestos abatement project designer in accordance with AHERA and State regulations, and licensed personnel/contractors must carry out response actions.

Cleaning should be completed through each entire room marked (or as otherwise indicated on the attached room-by-room inventory) as having damaged or friable ACBM present and include as stated in AHERA:

(i) HEPA-vacuum or steam-clean all carpets.

(ii) HEPA-vacuum or wet-clean all other floors and all other horizontal surfaces.

(iii) Dispose of all debris, filters, mopheads, and cloths in sealed, leak-tight containers.

ACBM maintenance or repair activity must be conducted by properly trained personnel using proper personal protective equipment and using appropriate methods set forth in the AHERA regulation and the Schools' O&M Program.

Asbestos response actions, as defined by AHERA, must be detailed in a specification (project design) prepared by a licensed asbestos abatement project designer in accordance with AHERA and State regulations, and licensed personnel/contractors must carry out response actions

In accordance with AHERA, the School needs to continue with their ACBM surveillance activity every 6 months, training of maintenance and janitorial staff, annual notifications, labeling and other Management Plan items.

Resources

It is anticipated that some of the repair and cleaning work recommended will be completed by in-house O&M Level trained facilities staff in accordance with the school's existing O&M Program and AHERA requirements. As such, the incremental increase in cost would be minimal, for example less than $1,500 for materials and disposal.

Estimated costs for some of the removal and repairs as listed on the tables could range from $10,000 to $25,000 to complete the abatement work.

No additional cost is anticipated for 6 month surveillance activity as this should be performed by in house staff during and as part of regular job task requirements.

Cost for 2-hour training is estimated at $650 for up to 25 attendees to be held on-site.

O&M Refresher training costs are anticipated to be less than $1,000. The Initial O&M course, depending on the number of attendees, could range from $1,200-$2,400.

In accordance with AHERA, the School needs to continue with their ACBM surveillance activity every 6 months, training of maintenance and janitorial staff, annual notifications, labeling and other Management Plan items.

Signatures

The reinspection work and management planning was completed by Kara Forsythe and Roger Francoeur of RPF Environmental, Inc.

Accredited Inspectors

Kara Forsythe, MA AI33737 Exp. 07/15/16

Accredited Management Planner

Roger Francoeur, MA AP030568 Exp. 07/22/16

If you have any questions or comments, or if you would like assistance with the recommendations provided herein, please do not hesitate to call me.

Sincerely,
RPF ENVIRONMENTAL, INC.

Kara Forsythe
EH&S Consultant, Inspector

Enclosures:
Appendix A: ACBM Assessments and Recommendations
Appendix B: Other General Comments and Recommendations
Appendix C: Methodology and Limitations

167123 AHERA 3 Yr 021816

APPENDIX A

CODE DESCRIPTIONS (Index sheet for use with room by room listings in this appendix)

EPA Assessment Codes:

1. Damaged or significantly damaged thermal systems insulation asbestos containing material (ACM)
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with the potential for damage
6. ACBM with the potential for significant damage
7. Any remaining ACBM or friable suspected ACBM

NF. Material is nonfriable and assessments are not required by AHERA.

Response Summary Codes: (Summary of minimum recommendations only, please reference text of report and Appendix B for additional recommendations.)

Code Description

1. **Continue to manage this ACBM under the buildings Management Plan, Operations and Maintenance (O&M) Program** and AHERA. Conduct spot maintenance repairs of any minor damage present (nonfriable ACBM) or that occurs in accordance with AHERA and the School O&M Program. Complete periodic cleaning with HEPA vacuums and wet wiping in all areas with friable ACBM on a 6 month basis at a minimum.

2. **Conduct repair, surface cleaning, encapsulation or enclosure response actions** for this ACBM in accordance with AHERA. Use care to not create dust in the area and to prevent further disturbance. Continue to manage this ACBM under the buildings Management Plan, O&M Program and AHERA (See Summary Code 1). A licensed consultant design firm must prepare repair specifications (design) prior to obtaining pricing or bids for response actions by licensed asbestos contractors. Some small-scale maintenance work (<3 linear/square feet) can be completed by the School's maintenance staff if they qualify for the licensing exemption and they possess adequate training, current refresher training, and the necessary personal protective equipment and safety programs in place. It recommended that pricing for removal also be obtained as an option for consideration. Complete periodic cleaning with HEPA vacuums and wet wiping in all areas with friable ACBM on a 6 month basis at a minimum.

3. **Remove the ACBM and conduct surface decontamination** as recommended by accredited/licensed project designer in accordance with AHERA. Use care to not create dust in the area and to prevent further disturbance. Continue to manage any remaining ACBM under the buildings Management Plan, O&M Program and AHERA (See Summary Code 1). All assumed ACBM should be properly tested by a licensed inspection prior to abatement work or as soon as feasible, and the AHERA records updated accordingly. A licensed consultant design firm must prepare repair specifications (design) prior to obtaining pricing or bids for response actions by licensed asbestos contractors. All abatement activities must be conducted by properly accredited and licensed personnel/companies.

4. **Complete verification of AHERA Inspection documentation.** Licensed inspector must assume materials are ACBM or properly test additional suspect ACBM. Exterior materials, except under certain circumstances, are not covered under AHERA but still must be inspected and handled as ACBM in accordance with other State, local, and federal regulations. Licensed inspector and management planner must update ACBM listings and Management Plans as needed. Obtain architectural statements for new construction/renovation areas in accordance with AHERA. Confirm that proper numbers of samples have been collected.

5. **Accessible ACBM Removed.** Removed material may be deleted from the ACBM listings. Abatement records should be reviewed to verify that all required records are on file at the school. RPF did not audit records for completeness or accuracy.

6. **Material could not be located** and may have been removed or enclosed, or it was not possible to confirm if the materials observed were in fact newer replacement materials. Verify abatement records and, if all records are obtained and complete, update the ACBM listings to reflect the abatement work. If an MNO listing is due to an inaccessible area or locked room, such areas should be inspected when feasible.

Amesbury School District: 3-Year AHERA Reinspection 2016

Location	ACBM	Approximate Quantity	Category	Friable	Condition	Assessment	Response	Notes
Amesbury Elementary School								
First Floor								
Electrical Room	Muffler exhaust	10 lf.	TSI	Yes	Good	5	1	Material was previously listed in the boiler room, but it is actually present in the electrical room. Below ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Café	12" floor tile and mastic*	2,500 sq. ft.	Misc.	No	Fair	NF	1	Flooring is in fair condition with a few missing and chipped floor tiles throughout. Floor tiles observed to be cracking along the thresholds. Approximately 20 sq. ft. of replacement floor tiles present along the window wall.
Lunch room	12" floor tile and mastic	800 sq. ft.	Misc.	No	Good	NF	1	
Stage	12" floor tile and mastic	300 sq. ft.	Misc.	No	Good	NF	1	
Storage (across from café)	Pipe fitting insulation	5 observed	TSI	Yes	Damaged	1	2	RPF observed duct tape repairs on pipe fittings. Below ceiling. Repair and conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Paper Storage	Pipe fitting insulation	10 observed	TSI	Yes	Good	5	1	Below ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Gym	Pipe fitting insulation	28 observed	TSI	Yes	Fair	1	2	Two pipe fitting insulation observed to be cracking/water damage. Repair. Below ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
	12" floor tile and mastic	3,500 sq. ft.	Misc.	No	Fair	NF	1	Floor tiles are worn and cracking at entrance. Repair loose/cracking floor tiles. Remaining areas have normal wear with minor chipped or lifting floor tiles throughout. Replacement floor tiles present, approximately 8 sq. ft.

See notes on last page

Location	ACBM	Approximate Quantity	Category	Friable	Condition	Assessment	Response	Notes
Amesbury Elementary School								
First Floor continued								
Gym storage	12" floor tile and mastic	100 sq. ft.	Misc.	No	Good	NF	1	
	Pipe fitting insulation	2 observed	TSI	Yes	Good	5	1	Below ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
Health and Ed. Services	12" floor tile and mastic	100 sq. ft.	Misc.	No	Good	NF	1	
Office (including nurse's area)	12" floor tile and mastic	1,200 sq. ft.	Misc.	MNO	MNO	MNO	1	Room was locked and no staff on-site had a key to the room.
Learning center	12" floor tile and mastic	800 sq. ft.	Misc.	No	Good	NF	1	
Library	12" floor tile and mastic	1, 500 sq. ft.	Misc.	No	Fair	NF	1	Few areas of patched tiles present throughout the area
Room 1	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Fair	NF	1	Approximately one inch of damaged material present.
Room 2	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Fair	NF	1	Approximately three inches of damaged material present.
Room 3	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 4	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 6	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 7	12" floor tile and mastic	960 sq. ft.	Misc.	MNO	MNO	MNO	5,6	Previous site representative indicated these materials were removed during a recent flood. Removal records were not available at the time of the survey.
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 8	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	

See notes on last page

Location	ACBM	Approximate Quantity	Category	Friable	Condition	Assessment	Response	Notes
Amesbury Elementary School								
First Floor continued								
First floor stairwells (3)	12" floor tile and mastic	100 sq. ft./stairwell	Misc.	No	Fair	NF	1	Stairwell by door #8 was observed to have signifinaclty lifting and worn floor tiles. Repair. Some lifting and worn floor tiles throughout the other two stairwells.
Corridor	12" floor tile and mastic	1,300 sq. ft.	Misc.	No	Fair	NF	1	Some lifting and worn floor tiles
Custodian	12" floor tile and mastic	100 sq. ft.	Misc.	No	Fair	NF	1	Water damaged and cracking floor tiles observed, approximately 5 sq. ft. of loose and damage floor tiles. Repair damaged/loose floor tiles.
Kitchen	Pipe fitting insulation	16 observed	TSI	Yes	Fair	1	2	Several fittings observed to have water staining observed. Below ceiling. Conduct O&M cleaning within 15' of all surfaces with ACBM insulation.
School Psychologist office	12" floor tile and mastic	120 sq. ft.	Misc.	No	Good	NF	1	
Room 9	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 10	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Second Floor								
Room 11	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 12	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 13	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 14	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 15	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
See notes on last page								

Location	ACBM	Approximate Quantity	Category	Friable	Condition	Assessment	Response	Notes
Amesbury Elementary School								
Second Floor Continued.								
Room 16	12" floor tile and mastic	960 sq. ft.	Misc.	No	Fair	NF	1	Materials had normal wear throughout.
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 17	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	Half of the room is covered over with carpet.
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 18	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 19	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
	Condensate sink mastic	5 sq. ft.	Misc.	No	Good	NF	1	
Room 20	12" floor tile and mastic	960 sq. ft.	Misc.	No	Good	NF	1	
Second floor stairwells	12" floor tile and mastic	100 sq. ft./stairwell	Misc.	No	Fair	NF	1	Some lifting and worn tiles throughout.
Second floor corridors	12" floor tile and mastic	1,300 sq. ft.	Misc.	No	Fair	NF	1	Some lifting and worn tiles throughout.
* Note: Previous inspection from Smith & Wessel dated November 1998 lists 9" floor tiles throughout the school, however only 12" floor tiles were observed to be present during this reinspection. According to the site representative no flooring removal has been conducted in this school and the 12" floor tiles are original. In addition, it appears that in some of the rooms that have half floor tile and half carpet that the carpet is directly on concrete. Prior to renovation or demolition, the school district may want to conduct confirmation testing on the material by a qualified and licensed personnel.								
See notes on last page								
Throughout	Other suspect materials are present and further review is required. Prior to any renovation and/or demolition a full NESHAP survey must be conducted in accordance with various state and federal regulations.						4	Possible inaccessible ACBM also.

Category: MISC is miscellaneous material; TSI is thermal system insulation; SURF is surfacing material. Categorized in accordance with 40 CFR Part 763.

Assessment Codes based on 40 CFR Part 763: 1. Damaged or significantly damaged thermal system insulation ACM; 2. Damaged friable surfacing ACM; 3. Significantly damaged friable surfacing ACM; 4. Damaged or significantly damaged friable miscellaneous ACM; 5. ACBM with potential for damage; 6. ACBM with potential for significant damage; 7. Any remaining ACM. "NF" means nonfriable, and assessments are not required. MNO means material not observed. Please reference AHERA and the school management plan for discussion on assessment codes.

Response Codes: 1. Manage ACBM in accordance with Management Plan; 2. Conduct repairs and cleaning; 3. Conduct removal and cleaning; 4. Material suspect and requires further testing; 5. ACBM has been removed and may be removed from listings; 6. ACBM was not observed and further review is required. See further discussion and requirements in report.

Scheduling: For general O&M management of ACBM recommendations, the beginning start date was the inception of the management plan and the completion shall be until removal of all materials or sampling and analysis proved material is non-ACBM unless otherwise specified in the notes/scheduling column. O&M cleaning of surfaces in locations with friable ACBM or damaged ACBM shall start March 9, 2016 and be completed by June 9, 2016. . For Code 2 repairs and cleaning, work shall begin immediately (no later than March 9) and shall be completed by April 30, 2016.

Location	ACBM	Approximate Quantity	Category	Friable	Condition	Assessment	Response	Notes
Cashman Elementary School								
Ground floor								
Cafeteria	12" Floor tile and mastic	2,000 sq. ft	Misc.	No	Fair	NF	1	Some cracking tiles are present along the expansion joint. In addition, some lifting, worn, and chipped tiles are present throughout, approximately 3 sq. ft of total damaged materials. Area of patched tiles are present as well.
Throughout	Other suspect materials are present and further review is required. Prior to any renovation and/or demolition a full NESHAP survey must be conducted in accordance with various state and federal regulations.						4	Possible inaccessible ACBM also.

Category: MISC is miscellaneous material; TSI is thermal system insulation; SURF is surfacing material. Categorized in accordance with 40 CFR Part 763.

Assessment Codes based on 40 CFR Part 763: 1. Damaged or significantly damaged thermal system insulation ACM; 2. Damaged friable surfacing ACM; 3. Significantly damaged friable surfacing ACM; 4. Damaged or significantly damaged friable miscellaneous ACM; 5. ACBM with potential for damage; 6. ACBM with potential for significant damage; 7. Any remaining ACM. "NF" means nonfriable, and assessments are not required. MNO means material not observed. Please reference AHERA and the school management plan for discussion on

Response Codes: 1. Manage ACBM in accordance with Management Plan; 2. Conduct repairs and cleaning; 3. Conduct removal and cleaning; 4. Material suspect and requires further testing; 5. ACBM has been removed and may be removed from listings; 6. ACBM was not observed and further review is required. See further discussion and requirements in report.

APPENDIX B

AHERA REINSPECTION REPORT
OTHER GENERAL COMMENTS AND PRELIMINARY RECOMMENDATIONS

Below are other general comments and recommendations to be reviewed and considered by the School for compliance with current State and Federal regulations and industry standards. The comments and recommendations should be reviewed in conjunction with the findings and discussions contained in the text of the report, attachments, and the federal standard, 40 CFR Part 763 and other applicable State and federal standards.

- The initial AHERA report should be reviewed for detailed initial inspection results, Management Plan and O&M Plan requirements, analytical data, and other related documentation. Except as otherwise noted, the reinspection work only included ACBMs identified inspection report provided to RPF by the School. During the reinspection, initial inspections, abatement documentation and other record keeping items were not completely reviewed or audited for accuracy and completeness. This type of review was beyond the scope of services for the project. Based on the RPF preliminary review of the records provided to RPF, it is RPF's opinion that the AHERA Plans may not address all of the possible ACBM present. For example, although not directly regulated by AHERA, various exterior suspect materials are present as well as possible interior hidden ACBM.

- This reinspection only included the school buildings designated in the RPF listing. If other buildings are used as school buildings in accordance with 40 CFR Part 763 and need to be reinspected, please notify our office to make necessary arrangements. This reinspection and report does not meet the requirements set forth by US EPA, OSHA, and State agencies for conducting full asbestos inspections prior to renovation or demolition.

- For any new buildings or renovated space, obtain architectural/engineering (A/E) statements for new construction/renovation areas in accordance with AHERA certifying no asbestos was specified or used. In lieu of A/E statements, newly installed buildings materials must be tested pursuant to the AHERA inspection requirements.

- All ACBMs must be included in the Management Plan and O&M Program until the materials are completely removed. The ACBM listings in the Reports should be reviewed and updated periodically to reflect all abatement work, any testing performed, and all O&M Program maintenance or repair activity completed. Examples of activity that must be documented include but are not limited to the following: covering area of ACBM tile with carpet or other newer flooring; installation of other new building materials - certification of asbestos-free material must be obtained and filed; any sampling and testing; any spot asbestos repairs or removal work; personnel training; annual notifications; and other activities.

- Materials listed as MNO (materials not observed) should be reviewed further by the Program Manager to determine if in fact such materials were abated, if abatement records are on file, and/or, if the areas were not accessible that such materials be inspected when the areas can be accessed. ACBM assumed to be enclosed should continue to be documented as such for future renovations/demolition issues. Please note that new enclosures are a form of abatement and are subject to the requirements of AHERA as a response action.

- Inaccessible ACBMs are or may be present in wall, floor, ceiling, and other spaces not accessible during the inspection. Care should be used during any renovation or demolition work. If suspect materials are encountered, the materials must be properly tested by a State licensed inspector and, if in fact identified as ACBM, properly abated prior to disturbance. All contractors and other persons working in the building who may come into contact with the ACBM should be properly notified in accordance with current State and federal regulations.

OTHER GENERAL COMMENTS AND PRELIMINARY RECOMMENDATIONS

- Certain types of floor maintenance activities can result in release of asbestos fibers. Proper cleaning, stripping, and finishing methods should be used as recommended by the State and U.S.E.P.A. guidelines. Depending on the condition of various non-friable ACBMs and the specific action/disturbance to the material (i.e., chipping of flooring during removal, cutting and abrasive activities, or sanding/scraping of adhesives), non-friable ACBM can be rendered friable. This is particularly true with flooring materials that are aged, thin, brittle, or have prolonged water damage.

- Flooring mastic, along with any floor tile or linoleum that is ACBM was or may have been assumed to be ACBM, should continue to be classified as ACBM and properly tested prior to any flooring removal work, as applicable. It should be noted that a recent EPA advisory statement recommends that flooring which was previously tested as asbestos free be confirmed using electron microscopy prior to any removal or other activities that may result in the disturbance of the flooring.

- All assumed ACBM should be properly tested by a licensed inspection firm, prior to abatement work or as soon as feasible, and the AHERA records updated accordingly. This type of testing *should not* be conducted by asbestos abatement contractors, but by a qualified licensed consulting/laboratory firm.

- In accordance with State and federal regulations, ACBM must be abated prior to disturbance due to renovation or demolition activity, or maintenance activity that will result in disturbance to the materials. This work must be properly designed in advance of the planned work and it must be implemented by properly trained, accredited, and/or licensed individuals as applicable.

- Abatement of friable and non-friable ACBM should be designed by, and monitored by, a qualified/certified consultant. Trained, licensed workers and firms should complete all abatement work. Please note that exterior building materials, such as roofing materials, were often not included in the initial inspection work and should be properly tested prior to any renovation or demolition. It is recommended that sufficient time be allowed prior to any renovation or construction work for accredited design, review, and impact study to determine abatement work that may be necessitated to facilitate renovation. It should also be determined that all suspect materials have been properly sampled in the existing reports prior to work.

- O&M level trained employees may be able to perform small scale, short duration maintenance work (<3 linear/square feet) involving asbestos if all applicable state and federal requirements are met and proper medical surveillance, safety equipment and other programs are in place. Any work in excess of 3 feet or work performed for the sole purpose of abating asbestos hazards must be design and performed by licensed personnel and companies.

- All janitorial, custodial, and maintenance staff require a minimum of 2-hour asbestos awareness training and maintenance staff who perform O&M work must also have another 14 hours of training. Annual refresher training is also required in accordance with 29 CFR Part 1926.1101 and the EPA Worker Protection Rule.

A general review of the AHERA Plans should be completed periodically to ensure compliance with record keeping, training, labeling of ACBM in maintenance areas and as required by OSHA, annual notifications, and other requirements. The school must also continue with their 6-month surveillance activities. Certain record keeping and notification requirements may still be required regardless of whether new construction has occurred or all ACBMs have been removed.

APPENDIX C

Reinspection Methods

Accessible ACBMs which were identified in the existing AHERA reports were visually reinspected in accordance with AHERA, to (a) observe whether the materials are friable, (b) observe the conditions of the ACBM and potential for disturbance, and (c) to assess the hazard potential of the ACBM. Documentation review consisted of only those specific documents which list ACBM and which were provided by the School to RPF for review. A full review or audit of the AHERA Plans for the building, including abatement records, other record keeping requirements, or AHERA implementation records was not completed as part of this service. Please note that this reinspection report is intended to comply with the federal regulation and the report should not be considered or referenced as a detailed full, initial AHERA room-by-room inspection. Please also reference the initial AHERA Inspection Report prepared for the building by RPF and subsequent update records. This reinspection does not meet the requirements for full inspections prior to renovation or demolition activity.

A full inspection (for confirmation of previous inspection results) was also not completed during this project. In the event that other readily accessible suspect materials were observed by the inspector during the course of the reinspections (materials that may have been missed during the initial inspection or may require confirmation testing), the inspector provide preliminary notation on the reinspection reports to make the School aware that additional inspection or review may be required. However, in accordance with the AHERA reinspection requirements, the inspector did not conduct full initial inspection during the course of the reinspection work.

Limitations

- This reinspection only included the school buildings designated in the RPF listing. If other buildings are used as school buildings in accordance with 40 CFR Part 763 and need to be reinspected, please notify our office to make necessary arrangements. This reinspection and report does not meet the requirements set forth by US EPA, OSHA, and State agencies for conducting full asbestos inspections prior to renovation or demolition.

- The observations and conclusions presented in the Report were based solely upon the services described herein, and not on scientific tasks or procedures beyond the scope of services as discussed in the proposal and text of the report. The conclusions and recommendations are based on visual observations and testing, limited as indicated in the Report, and were arrived at in accordance with generally accepted standards of industrial hygiene practice and asbestos professionals. In addition and as applicable, where sample analyses were conducted by an outside laboratory, RPF has relied upon the data provided, and has not conducted an independent evaluation of the reliability of this data.

- Observations were made of the designated accessible areas of the site as indicated in the Report. While it was the intent of RPF to conduct a survey to the degree indicated, it is important to note that not all suspect ACBM material at the site(s) were specifically assessed and visibility was limited, as indicated, due to the presence of furnishings, equipment, solid walls and solid or suspended ceilings throughout the facility. Suspect material may have been used and may be present in areas where detection and assessment is difficult until renovation and/or demolition proceeds.

- Although some assumptions may have been stated regarding the potential presence of inaccessible or hidden ACBM, a full inspection for all ACBM or a destructive inspection for possible inaccessible suspect ACBM was not conducted. This inspection did not include a hazard assessment survey or testing to determine current dust concentrations of asbestos in and around the building. The survey was limited to ACBM as indicated herein and a site assessment for other possible environmental health and safety hazards or subsurface pollution was not performed as part of the scope of this initial site inspection.

- Where access to portions of the surveyed area was unavailable or limited, RPF renders no opinion of the condition and assessment of these areas. The survey results only apply to areas specifically accessed by RPF during the site inspection.

- Interiors of mechanical equipment and other building or process equipment may also have ACBM gaskets or insulation present and were not included in this inspection. Further inspections would likely be required prior to renovation or demolition activity.

- Existing reports, drawings, and analytical results provided by the Client to RPF, as applicable, were not verified and, as such, RPF has relied upon the data provided as indicated, and has not conducted an independent evaluation of the reliability of these data.

- All hazard communication and notification requirements, as required by 40 CFR Part 763, U.S. OSHA regulation 29 CFR Part 1926, 29 CFR Part 1910, and other applicable rules and regulations, by and between the Client, general contractors, subcontractors, building occupants, employees and other affected persons were the responsibility of the Client and Client's abatement contractor and are not part of the scope of services to be provided by RPF.

- Results presented in the report area limited to the materials and conditions present at the time that the site inspection was actually performed by RPF. The applicability of the observations and recommendations presented in this report to other portions of the site were not determined as part of this scope of work. Many accidents, injuries and exposures and environmental conditions are a result of individual employee/employer actions and behaviors, which will vary from day to day, and with operations being conducted. Changes to the site that occur subsequent to the RPF inspection may result in conditions which differ from those present during the survey and presented in the findings of the report. For example, during construction changes it is possible that previously inaccessible suspect material may be encountered. As such, the contractors, employers OSHA-competent persons, and other affected staff should be advised of the possible presence of inaccessible ACBM and suspect ACBM. In the event that newly identified suspect material is encountered, please contact RPF to arrange for proper inspection, assessment and testing as applicable.

- Typically, hazardous building materials such as asbestos, lead paint, PCBs, mercury, refrigerants, hydraulic fluids and other materials may be present in buildings. The survey performed by RPF only addresses the specific items as indicated in the report. In general, it is recommended that surveys for all accessible hazardous building material be performed. Notify RPF to arrange for additional survey work as needed.

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

For

Amesbury Elementary School
20 South Hampton Road
Amesbury, Massachusetts 01913

Prepared for:

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

Prepared by:

Environmental & Construction Management Services, Inc.
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Braintree, Massachusetts 02184
(617) 338-2121

September 19, 2018

ECMS Project No. 1009.073

This report has been prepared for the exclusive use of DiNisco Design and their client the City of Amesbury, Massachusetts. Environmental & Construction Management Services, Inc. acknowledges that DiNisco Design and the City of Amesbury may rely on this report. Photocopying of this document by parties other than those designated by DiNisco Design and the City of Amesbury, or use of this document for purposes other than intended, is prohibited without the prior written consent of Environmental & Construction Management Services, Inc

Environmental & Construction
Management Services, Inc.

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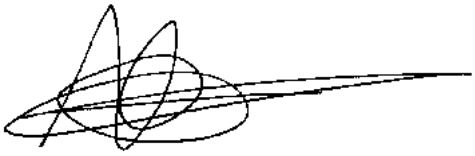
CERTIFICATION OF RESULTS

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

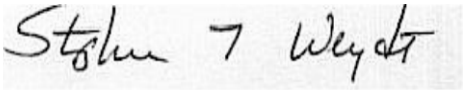
ECMS professional services have been performed, our findings obtained, and our recommendations prepared by an environmental professional in accordance with the U. S. Environmental Protection Agency's (EPA) All Appropriate Inquiry (AAI) Rule and customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties either expressed or implied. *ECMS* is not responsible for the independent conclusions, opinions or recommendations made by others based on the records review, site inspection, field exploration, and laboratory test data presented in this report.

Respectfully submitted this 19th day of September 2018.

For ***Environmental & Construction Management Services, Inc.*** by



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



Stephen T. Weydt
Principal Environmental Scientist

EXECUTIVE SUMMARY

Environmental & Construction Management Services, Inc. (ECMS) has performed a Phase I Environmental Site Assessment (ESA) for the Amesbury Elementary (AE) School property located at 20 South Hampton Road in Amesbury, Massachusetts (herein after referred to as the Site). This assessment was performed to evaluate the likelihood of a release and/or threat of release of oil and/or hazardous materials at the Site pursuant to the Massachusetts General Law, Chapter 21E (MGL Chapter 21E) and the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000.

The site assessment work described in this report was conducted for *DiNisco Design, Inc. (DiNisco)* between August 15 and September 13, 2018 in accordance with *ECMS'* proposal EC18-024 dated April 13, 2018. This work was performed in conformance with the scope and limitations of the most recent ASTM Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process Document E-1527-13 and EPA's All Appropriate Inquiry (AAI) Final Rule (effective as of November 1, 2006).

The purpose of the investigation was to identify possible conditions that would be indicative of releases of oil and/or hazardous materials and threatened releases of oil and/or hazardous materials on, at, in or to the Site. The investigation included inspection of the Site and the exterior of adjacent properties, interviews with Site staff and regulatory officials, review of appropriate Federal, State, and local historical and environmental records. This assessment revealed the following:

Findings

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

- *ECMS* has identified a recognized environmental condition during the course of this assessment. The presence of an undocumented former fuel oil UST was reported to have been closed-in-place. However, no record was available at researched sources to document that this UST was closed in accordance with fire prevention regulations, in particular the requirement to measure for the presence of contamination at the time of a closure of an Underground Storage Tank, pursuant to the Massachusetts Fire Prevention Regulations, 527 CMR 9.00 and as described in the Massachusetts Department of Environmental Protection (MassDEP) Policy #WSC-402-96 dated April 9, 1996.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum

products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

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

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

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

An *environmental issue* refers to environmental concerns identified by *ECMS*, which do not qualify as RECs; however, warrant further discussion.

- *ECMS* did not identify any environmental issue during the course of this assessment.

Conclusions, Opinions and Recommendations

The presence of the identified former fuel oil UST poses a REC for this Site. Therefore, ***ECMS* recommends that a subsurface investigation be conducted in the area of this UST to determine if a release of fuel oil from pervious operations had occurred**. This investigation should be performed in general accordance with provisions as referenced in the MassDEP preferred method of documentation as outlined in accordance with *Commonwealth of Massachusetts Underground Storage Tank Closure Assessment Manual* (MADEP Policy #WSC-402-96) dated April 9, 1996.

1.0 PURPOSE AND SCOPE OF WORK

1.1 Purpose

This report provides the results of a Phase I Environmental Site Assessment (ESA) performed for the Amesbury Elementary School property located at 20 South Hampton Road in Amesbury, Massachusetts 01913. This assessment was conducted to identify possible conditions that would be indicative of releases of oil and/or hazardous materials and threatened releases of oil and/or hazardous materials on, at, in or to the Site.

In conducting this assessment, *ECMS* followed the E1527-13 American Society for Testing and Materials (ASTM) document entitled "Standard Practices for Environmental Site Assessments: Phase I Environmental Site Assessment Process" for commercial real estate, as well as the All Appropriate Inquires (AAI) Final Rule of November 1, 2005. Any exceptions to, or deletions from, this practice are described in Section 1.4 of the report.

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

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

As part of the AAI Final Rule, Phase I ESAs must be conducted by or under the supervision of a qualified environmental professional. The AAI Final Rule defines an environmental professional as someone who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases on, at, in, or to a property, sufficient to meet the objectives and performance factors of the rule. We declare that, to the best of our professional

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

1.2 Scope of Work

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

- Site inspection and interviews of knowledgeable key site personnel to document the current and past land use and operations from building types and uses; the location and status of underground and aboveground storage tanks, visual evidence of subsurface or surface contamination, such as areas of visibly distressed vegetation and soil staining; types, quantities, and locations of oil or hazardous materials, including polychlorinated biphenyls (PCBs); and wastes generated, stored or disposed of on or from the Site.

- Review of all available current and historical records to establish the history of the Site and nearby properties for approximately the past 100 years using available federal, state, municipal, private and insurance rate maps; aerial photographs, lists of previous owners or operators or city atlases. A review of title records was not included as part of this investigation.

- Research of technical information concerning the local geologic and hydrologic conditions to determine the likely impact of any actual or potential release on the Site or from neighboring properties and nearby potential environmental receptors such as drinking water supplies, surface water bodies, catch basins and/or detention ponds.

- Review of files held by federal, state and local environmental regulatory agencies for records of past disposal practices; accidental releases, regulatory compliance history, fires, explosions, or other accidents, the status of any current operating or discharge permits; and status of any existing storage tanks.

- Prepare written report for the Site to include site location plan, and pertinent maps, discussions of the Site location and description, site and vicinity history, inspection results, geology and hydrology, and a summary of the environmental regulatory files reviewed.

1.3 Special Terms and Conditions

The site assessment work described in this report was conducted for *DiNisco Design* between August 15 and September 18, 2018 in accordance with *ECMS'* proposal number EC18-024 dated April 13, 2018.

1.4 Limitations and Exceptions of Assessment

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

It is the opinion of *ECMS* that no data gaps were identified in the information reviewed and/or obtained during this investigation that would adversely affect the ability of the environmental professional to identify conditions indicative of releases or threatened releases of hazardous substances on, at, in or to the Site.

1.5 User Reliance

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

1.6 Qualifications of Environmental Personnel

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

2.0 PROPERTY DESCRIPTION

2.1 Location and Legal Description of the Site

The Site is an irregularly-shaped 14.11-acre parcel of land located at 20 South Hampton Road in Amesbury, Essex County, Massachusetts 01913. According to the City of Amesbury Assessor, the property is listed as parcel 26/4. The Site is occupied by the Amesbury Elementary School and associated athletic fields, playground, parking lots, undeveloped wooded hill, small garden area and landscaped areas. Refer to Figure 2 entitled Lot Location Plan.

The Site is depicted on the 7.5 x 15-minute U.S.G.S. topographic quadrangle for Newburyport, Massachusetts dated 1987. The Universal Transverse Mercator (UTM) coordinates of the Site within zone 19 are approximately 4,747,713.5 meters north latitude and 342,235.5 meters east longitude or 42° 51' 56.62'' north latitude and 70° 55' 52.81'' west longitude. Elevation at the Site is primarily approximately 76 feet above mean sea level (amsl) however the western portion of the property is an undeveloped wooded hill at elevations between 30 and 40 feet higher than the main portion of the Site. Figure 1 includes both a Site Locus Plan (a section of the USGS Newburyport Quadrangle) and a Street Location Map of the Site. The Site and surrounding properties are shown on Figure 2, Lot Location Plan attached to this report.

2.2 Site and Vicinity Characteristics

The Site is currently occupied by the Amesbury Elementary School housing grades Pre-kindergarten through 4 (approximately 458 children). The Site is located within OSC – Open Space Conservancy. The school building is surrounded by a driveway and associated paved parking lots, a playground area and grass athletic field. Undeveloped land is located to the west, the Site is surrounded with pockets of densely settled residential neighborhoods.

No existing commercial printing facilities, gasoline filling/service stations, industrial properties or fuel depots were identified in the immediate vicinity of the subject site. The past uses of these surrounding properties do not pose recognized environmental concerns to the Site.

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

The 2-story school building is 45,973 gross square feet (GSF) for the Original Building and 8,329 GSF for 1996 Modular Classrooms and Addition. The original building is founded on concrete foundations with spread footings, unreinforced exterior masonry walls, slab on grade, reinforced concrete waffle floor and roof slabs. The Modular Classrooms and Addition is founded on concrete foundation piers, exterior load bearing wood stud walls, wood joist and plywood floor and roofs.

Assessor Office records indicate that the main Site building construction was completed in 1966 and the modular classrooms were constructed in 1995. The school building is currently heated by natural gas and heated through forced air ducts. The roof is ballasted and adhered EPDM. Records indicate, the building is and heated by natural gas but was once previously heated by fuel oil that was stored in an underground storage tank (UST) that is shown on Figure 8, Site Plan.

The nearest surface water bodies to the Site is Lake Gardner that is located approximately 2,500 feet to the south-southwest. According to the City of Amesbury Health Department, there are no know public or private potable water supply wells in the vicinity of the Site.

The City of Amesbury obtains its drinking water from its watershed area that encompasses about 55 square miles; most of which reside in New Hampshire. Tuxbury Pond feeds the Powow River, which the treatment plant draws from. Lake Attitash and Meadowbrook also supplement the water source seasonally and in times of drought. All of Amesbury's wastewater empties into their municipal sewer system. The wastewater treatment facility is located at 19 Merrimac Street.

The site is currently supplied with natural gas and serviced by the municipal water and sewer systems.

2.4 Site Ownership

According to City of Amesbury Assessor's records, the subject site is owned by the City of Amesbury.

A Title Search was not supplied to *ECMS*, and therefore additional ownership information was not available.

2.5 Environmental Liens

ECMS did not conduct a review of title records for the Site, therefore, it is not known if there are environmental liens at the Site. However, according to the Environmental Data Resources, Inc. (EDR) database search report dated August 17, 2018, the Site is not currently listed by the Massachusetts Department of Environmental Protection (MassDEP) as a Disposal Site with a Class A-3, Class A-4, Class B-2, or Class B-3 Response Action Outcome (RAO) Statement in accordance with the Massachusetts Contingency Plan (MCP) 310 CMR 40.1000. Therefore, there are no Activity & Use Limitations (AUL's) currently in force at the site.

2.6 Current Uses of the Site

The Site is currently utilized as the Amesbury Elementary School for grades Pre-K through Grade 4.

2.7 Current Uses of Surrounding Properties

The Site is located within an area primarily used for single-family residential homes, farmland and undeveloped wooded vacant land. There were no visual indications observed during *ECMS* visual inspection of nearby or abutting properties of

conditions that would indicate a release or threat of release of oil and/or hazardous substances on, at, in, or to the Site.

2.8 Past Uses of the Site and Vicinity

Historical information was obtained from a review of the historical topographs (1890, 1894, 1932, 1934, 1943, 1944, 1947, 1950, 1952, 1968, 1973, 1979, 1985, 1987 and 2012), historical aerial photos (1938, 1953, 1960, 1966, 1973, 1978, 1986, 1992, 1998, 2008, 2012 and 2016), City Directory (1961, 1965, 1968, 1973, 1977, 1982, 1987, 1992, 1995, 2000, 2005, 2010 and 2014). Refer to Appendix A for copies of the above historic documents.

The historical aerial photo from 1966 shows site construction. Prior to construction of the school building, the Site land area was undeveloped and appears to be farmland as depicted in the aerial photographs from 1938 through 1960.

Properties surrounding the Site to the north, south, east and west were developed with sporadic residential properties and some may have been farmland. Area developed around the same time as the school were residences are observed along South Hampton Street in 1966.

The past uses of these surrounding properties do not pose recognized environmental concerns to the Site.

2.9 Summary of Previous Environmental Reports

No copies of any previous reports were provided to *ECMS.*

3.0 RECORDS REVIEW

ECMS utilized the results of an on-line computer environmental database search of facilities in the vicinity listed by agencies for various reasons. Table 1 presents the databases reviewed and the number of properties identified within the specified search distance with respect to the Site. The search distances specified by the ASTM were the minimum distances used during our search. The EDR database search report dated August 17, 2018 is contained in Appendix D.

3.1 U.S. Environmental Protection Agency (EPA)

CERCLIS and NPL

The EPA tracks sites to be investigated or that are currently being investigated for the threatened or actual release of hazardous substances to the environment. This system is under the jurisdiction of the Comprehensive Environmental Response,

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

The Site is not listed as either a current or delisted NPL facility or CERCLIS facility. There are no current or delisted NPL facilities within one mile of the Site and no CERCLIS facilities listed within one-half mile of the Site.

NFRAP (No Further Remedial Action Plan)

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

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

Resource Conservation and Recovery Act (RCRA)

The RCRA TSD list includes any operation that transports, stores or disposes of hazardous waste and which must obtain a hazardous waste identification number or transporter permit. *ECMS* review of the RCRIS Transporters database indicated that the Site was not listed as a RCRA TSD of hazardous waste and there are no RCRA TSD listed facilities located within one-half mile of the Site.

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

The RCRA Generators list includes any operation that generates hazardous waste and which much obtain a hazardous waste generator identification number. The Site is not identified as a RCRA generator. No RCRA generators are located within one-quarter mile of the Site.

TABLE I
FEDERAL AND STATE ENVIRONMENTAL SOURCES

Standard Environmental Sources	Search Distance	Number of Sites	Location With Respect to the Site (miles)				
			Site	0.0-0.125	0.125-0.25	0.25-0.50	0.50-0.75
NPL Sites List	1.0 mile	0	No	0	0	0	0
NPL Delisted Sites List	0.5 mile	0	No	0	0	NA	NA
CERCLIS List	0.5 mile	0	No	0	0	NA	NA
NFRAP	0.5 mile	0	No	0	0	NA	NA
RCRA TSD List	0.5 mile	0	No	0	0	NA	NA
RCRA Generators List (LQG & SQG and CESQG)	0.25 mile	1	No	1	NA	NA	NA
RCRA Cor Act	1.0 mile	0	No	0	0	0	0
Federal IC/EC	0.5 mile	0	No	0	0	NA	NA
ERNS List	0.25 mile	0	No	0	NA	NA	NA
Tribal Lands	1.0 mile	0	No	0	0	0	0
MassDEP/Tribal Sites List (CERCLA equiv.)	1.0 mile	53	No	1	0	17	35
MassDEP/Tribal LUST List	0.5 mile	7	No	1	0	6	NA
MassDEP/Tribal LAST List	0.5 mile	3	No	1	0	2	NA
MassDEP Spills List	0.25 mile	0	No	0	0	NA	NA
MassDEP/Tribal Landfill/Solid Waste Disposal Sites List (active & inactive)	0.5 mile	0	No	0	0	NA	NA
MassDEP/Tribal Registered UST/AST List	0.25 mile	2	No	2	0	NA	NA
MassDEP/Tribal IC	0.25 mile	4	No	1	0	3	NA
MassDEP/Tribal Brownfields	0.5 mile	2	No	0	0	2	NA

NA = Not Applicable

Emergency Response Notification System (ERNS)

The EPA and National Response Center (NRC) Emergency Response Notification System (ERNS) is a list of hazardous material spills. The Site is not listed on the ERNS list and there were no ERNS listed facilities located within a 0.125-mile radius of the Site.

Federal Industrial and Engineering Controls

The federal listing of industrial and engineering controls is the EPA's Brownfield Management System, a database designed to assist EPA in collecting, tracking and updating information as well as reporting on the major activities and accomplishments of the various Brownfield grant programs. Sites listed on this database are Superfund sites that have either engineering or institutional controls in operation. The Site is not listed as having either industrial or engineering controls in operation and there were no properties identified within one-half mile of the Site with industrial or engineering controls in operation.

U. S. EPA Facility Index System (FINDS) List

The Site is identified on the U. S. EPA Facility Index System (FINDS) list. FINDS is an index of identification numbers associated with a property or facility that the EPA has investigated or has been made aware of in conjunction with various regulatory programs. The program identified with the Site is the National Center for Education Statistics (NCES) a primary federal database for collecting and analyzing data related to education in the United States and other nations.

3.2 Massachusetts Department of Environmental Protection (MassDEP)/Tribal Lands

MassDEP/Tribal Sites List

The MassDEP/Tribal Sites list contains the names of facilities and/or locations within the state of Massachusetts, which have reported releases of contaminants from petroleum storage systems. This report is maintained by the MassDEP. The Site does not appear on the MassDEP Sites List.

The database identified 53 MassDEP Sites listings within a one-mile radius of the subject Site. Only one (1) location appears MassDEP Sites List within 0.25-mile radius of the Site. The location is Fraser Pontiac/GM, Inc. at 130 Market Street. This property is located approximately 375 feet east south-east of the Site. Fraser Pontic is listed for several documented releases of oil and/or hazardous materials. The property is listed as MassDEP Release Tracking No. (RTN) 3-19327. The listing is for a release of petroleum that has been adequately remediated with the filing of an A-3 Response Action Outcome (RAO) in 2003 that includes an Activity and Use Limitation (AUL) has been placed on the impacted portion of the property. The property is also listed as MassDEP Release Tracking No. (RTN) 3-4747. The listing

is for a release of petroleum that has been adequately remediated with the filing of a RAO in 1996. Fraser Pontiac/GM is considered to be hydraulically downgradient of the Site and therefore not anticipated to pose an environmental concern to the Site.

MassDEP/Tribal Spills List

The Site does not appear on the MassDEP Spills List. No spill of oil and/or hazardous materials was documented in MassDEP records within a 0.25-mile radius of the Site.

MassDEP Leaking Underground Storage Tank (LUST) List

The MassDEP maintains this database of releases of oil or hazardous materials from USTs. The Site does not appear on the LUST List. Seven (7) MassDEP LUST listed properties were documented in MassDEP records at properties within a one-half mile radius of the Site. The only location within one quarter mile of the Site is the previously summarized Fraser Pontiac/GM, Inc. at 130 Market Street in the MassDEP/Tribal Sites List above and is considered to be hydraulically downgradient of the Site and therefore not anticipated to pose an environmental concern to the Site.

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

This database, maintained by the State of Massachusetts Fire Marshall, registers locations with either USTs or aboveground storage tanks (ASTs). The Site does not appear on the RUST list. There were two (2) properties within a 0.25-mile radius of the Site identified on the RUST list. The first property with a registered UST is Fraser Pontiac/GM, Inc. at 130 Market Street in the MassDEP/Tribal Sites List and LUST List above and is considered to be hydraulically downgradient of the Site and therefore not anticipated to pose an environmental concern to the Site. The second property with a registered UST is R&G Manufacturing Company, Inc. at 63 Clinton Street that is located 543 feet north-northeast of the Site and is considered to be hydraulically downgradient of the Site and therefore not anticipated to pose an environmental concern to the Site.

3.4 Municipal and Local Authorities

Information related to environmental responses at the Site was requested from City of Amesbury municipal offices.

Amesbury Prevention Fire Department

Records relative to underground storage tanks and flammables were requested from the City of Amesbury Fire Department. Discussions with Chris with the Amesbury Fire Department revealed that no records were found for this location. A copy of Amesbury Fire Department FOIA Letter is attached in Appendix E of this report.

Amesbury Clerk's Office

Records relative to underground storage tanks and flammables were requested from the City of Amesbury Clerk's Office. No records were on file for the subject site.

Amesbury Health Department

The City of Amesbury Health Department had nothing on file for the property at 20 South Hampton Road pertaining to oil and/or hazardous materials. A copy of Amesbury Health Department FOIA Letter is attached in Appendix F of this report.

Amesbury Engineering Department

The Amesbury Engineering Department did not have information pertaining to the use, storage or release of oil or hazardous materials at the Site.

Amesbury Conservation Commission

Records at the Amesbury Conservation Commission indicate that there is no Wetland Resource Areas under the Massachusetts Wetlands Protection Act, and the Amesbury Wetlands Protection Bylaw present at the subject site.

3.5 State/Tribal Solid Waste Landfills

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

3.6 Other Identified Potential Nearby Properties

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are no EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property that are not listed previously.

3.7 Unmapped Sites

There are 5 non-geocoded (unmapped) facilities listed in the EDR report. When possible, the properties within 500 feet of the Site were located during *ECMS'* Site reconnaissance. No identifiable unmapped facilities representing conditions indicative of releases of oil and/or hazardous substances or potential releases of oil and/or hazardous substances on, at, in or to the Site were identified during this investigation.

3.8 Tier 1 Vapor Encroachment Screening

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

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

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

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

Refer to Appendix F, Environmental Data Resources, Inc. (EDR) Vapor Encroachment report dated September 11, 2018.

4.0 INFORMATION FROM THE SITE RECONNAISSANCE

On August 21, 2018, Mr. Kevin J. Kavanaugh, LSP, CHMM, Principal Environmental Engineer for *ECMS* visited the Site. Mr. Kavanaugh was accompanied during the reconnaissance by Mr. Norman Fredette, head of maintenance for the Amesbury Elementary School. Mr. Fredette is considered to be an individual most likely to be knowledgeable about the current and past uses of the property, particularly with regard to current and past uses of hazardous substances on the property. The site reconnaissance was documented with photographs, attached as Appendix G of this report.

The reconnaissance was conducted to observe any condition indicative of the release or threat of release of oil or hazardous substances on, at, in or to the Site. Observations made during the Site visit are summarized below.

4.1 Hazardous Materials Storage and Disposal

Typical cleaning supplies are stored in the building. According to Mr. Fredette, all cleaning supplies are "Green", thus are not considered to be hazardous in nature. The cleaners are organized and labeled. Other hazardous materials observed included paint cans, toner cartridges and miscellaneous cleaners used in general maintenance of the school building. Materials were generally labeled and stored neatly.

4.2 Solid Waste Disposal

Solid waste and recycling are collected in dumpsters located in the parking area to the west of the Site building. *Mello Disposal* of Groveland, Massachusetts collects the solid waste twice per week and recycling once per week.

No areas that were apparently filled by non-natural causes suggesting trash or other solid waste disposal. No mounds or depressions suggesting trash or other solid waste disposal were visually or physically observed at the site during the visit.

4.3 Storage Tanks

According to the EDR report database there are no underground storage tanks (USTs) located on the Site. In addition, the Amesbury Fire Department had no records of any USTs being on the property.

However, on August 21, 2018 vent pipes and manhole access for a former UST were observed indicating the presence of either a former or current UST. According to Mr. Fredette, a fuel oil UST was closed-in-place when the school was switched from fuel oil to natural gas. No record(s) could be found indicating that the UST has been properly closed in accordance with Fire Prevention Regulations.

The presence of the identified former fuel oil UST poses a REC for this Site. **Therefore, *ECMS* recommends that a subsurface investigation be conducted in the area of this UST to determine if a release of fuel oil had previously occurred as referenced in the MassDEP preferred method of documentation as outlined in accordance with *Commonwealth of Massachusetts Underground Storage Tank Closure Assessment Manual* (MADEP Policy #WSC-402-96) dated April 9, 1996.**

With the exception of the above noted UST, no other obvious visual evidence (vent pipes, fill pipes, fire pumps or emergency generators, etc.) of USTs was observed during the *ECMS* site reconnaissance performed on August 21, 2018.

4.4 Polychlorinated Biphenyls (PCBs)

PCBs were commonly used as insulating and cooling fluids in electrical equipment, including transformers, ballasts and capacitors as well as in hydraulic fluids such as elevator equipment.

The fluorescent light fixtures appeared in good condition. All ballasts should be inspected and discarded of in accordance with federal, state and regional requirements.

One (1) pad mounted transformer was observed at the Site. It was located along the northwestern corner of the building next to the emergency generator and also located within the chain link fenced area. No notation could be found indicating the presence of potential PCBs within the transformer but there was no evidence of any hydraulic oil leakage or staining on the concrete pad.

No investigation to the presence of PCBs in building materials was conducted.

4.5 Electromagnetic Fields (EMFs)

Although epidemiological evidence is not conclusive, there is an increasing awareness and interest in monitoring magnetic radiation produced by power lines, transformers, and electronically driven devices.

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

4.6 Groundwater Wells

No groundwater wells were observed during the Site reconnaissance.

4.7 Landfills, Pits, Sumps

The Underground Injection Control (UIC) program protects drinking water by regulating discharges to the ground via injection wells such as dry wells, septic systems

tied to industrial processes, and other subsurface leaching systems. Pursuant to UIC regulations (310 CMR 27.00), where the potential exists for pollutants to enter an injection well (e.g. by means of a floor drain) and the presence of the pollutants causes or may cause a violation of any Massachusetts Drinking Water Regulation or adversely affects or may adversely affect public health, the use of the well is prohibited. With the exception of discharges authorized under the Department's Ground Water Discharge Permit program, the Department considers this prohibition to include the use of any injection well at facilities which have in the past or currently use, store, or otherwise manage hazardous materials and/or wastes as defined in 310 CMR 30.000 and 310 CMR 40.0000. This Notice is not applicable to any facility where the floor drain is connected to a Municipal Sewer System. According to Mr. Fredette, the observed floor drains (photographed by *ECMS*) in the boiler room are connected to the municipal sewer system.

At the time of the Site reconnaissance, *ECMS* personnel did not observe any evidence of landfills or pits at the Site.

4.8 Dry Cleaning Operations

The Site is not currently the location of a drycleaner and historical records reviewed did not indicate that a dry cleaner has ever existed at this location.

4.9 Chlorofluorocarbons as Coolants (CFCs)

There are no central cooling units at the Site. Only three (3) window mounted units were observed and thus CFCs do not pose a significant environmental concern to this site.

4.10 Hydrology and Geology of the Site Vicinity

The Site-specific hydrology and geology cannot be known without conducting subsurface investigations at the Site. However, the bedrock in the area consists of granitic rocks and metamorphic schists. During the last glacial maximum, the glaciers cut into the bedrock carving out a portion which then began to fill with various sediments. When the glacier retreated, it left behind a small layer of glacial till as well as small ponds that deposited fine sands and silts on top of the tills.

Depth to groundwater at the Site is not known. However, based on a review of the local topography and nearby surface water features, it is likely greater than 5 feet below ground surface. Direction of groundwater flow is not known. Based on local topography and nearby surface water features, groundwater flow direction is likely southwesterly.

The Site lies at an approximate elevation of approximately 72 feet above mean sea level (amsl). The Site lot is primarily relatively flat but does slope gently to the east towards South Hampton Road. In addition, the undeveloped wooded area to the

west of the school building is at elevations 30 to 40 feet higher than the elevation of the school building.

According to information in the *Massachusetts Natural Heritage Atlas* (October 2006 edition), no certified vernal pools, priority habitats of rare species or estimated habitats of rare wildlife were identified at the Site or within a 500-foot radius of the Site. Refer to Figure 3 for a map of Priority Habitats of Rare Species and Figure 4 for a Map of Estimated Habitats of Rare Wildlife and Certified Vernal Pools

The nearest surface water bodies are Lake Gardner that is located approximately 2,500 feet to the west-southwest and the Back River located approximately 2,500 feet to the east-southeast. There are no known private potable water supply wells in the vicinity of the Site. Water and sewer service for the Site is provided by the City of Amesbury.

According to a MassGIS Map, the site is located not within a Zone II, Interim Wellhead Protection Area (IWPA) or a Sole Source Aquifer. Refer to MassDEP Priority Resources (21E) Map attached as Figure 6 to this report.

Based on current Site use, no impact to environmental receptors is predicted.

5.0 ADDITIONAL ENVIRONMENTAL CONSIDERATIONS

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

5.1 Radon

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

An assessment for radon was not performed as part of the assessment.

The United States Environmental Protection Agency (EPA) Radon Zone for Essex County has a median radon concentration of 2.8 pCi/L and 36% of sites with concentrations of radon greater than the EPA recommended threshold of 4 pCi/L.

Site specific testing for radon would be necessary to determine that actual level at the Site.

5.2 Lead –Based Paint

No documentation relative to lead-based paints (LBP) was reviewed for this assessment. Whereas the school building was constructed before 1979, lead-based paint may be present within the Site building.

5.3 Asbestos Containing Materials (ACMs)

No previous survey information was available for review. Whereas the school building constructed before 1980, the presence of asbestos-containing material (ACM) may pose a recognized environmental condition to the Site.

5.4 Floodplain Management

Based on a review of the National Flood Insurance Program Flood Insurance Rate Map (FIRM), Community Map 25009C0106F dated July 3, 2012, the Site and surrounding area lies within an area classified as Zone X Other Flood Areas, an area determined to be outside the 0.2% annual chance floodplain. Refer to National Flood Insurance Program Flood Insurance Rate Map (FIRM), Community Map attached as Figure 7 to this report.

5.5 Coastal Barrier Resources

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

5.6 Coastal Zone Management

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

5.7 Sole Source Aquifers

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

5.8 Airport Clear Zones

The Site is not located within an Airport Clear Zone.

5.0 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

The purpose of the investigation was to identify possible conditions that would be indicative of releases of oil and/or hazardous materials and threatened releases of oil and/or hazardous materials on, at, in or to the Site. The investigation included inspection of the Site and the exterior of adjacent properties, interviews with Site staff and regulatory officials, review of appropriate Federal, State, and local historical and environmental records. This assessment revealed the following:

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

- *ECMS* identified a recognized environmental condition during the course of this assessment. The presence of an undocumented former fuel oil UST was reported to have been closed-in-place. However, no record was available at researched sources to document that this UST was closed in accordance with fire prevention regulations in particular the requirement to measure for the presence of contamination at the time of a closure of an Underground Storage Tank, pursuant to the Massachusetts Fire Prevention Regulations, 527 CMR 9.00 and as described in the Massachusetts Department of Environmental Protection (MassDEP) Policy #WSC-402-96 dated April 9, 1996.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

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

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

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

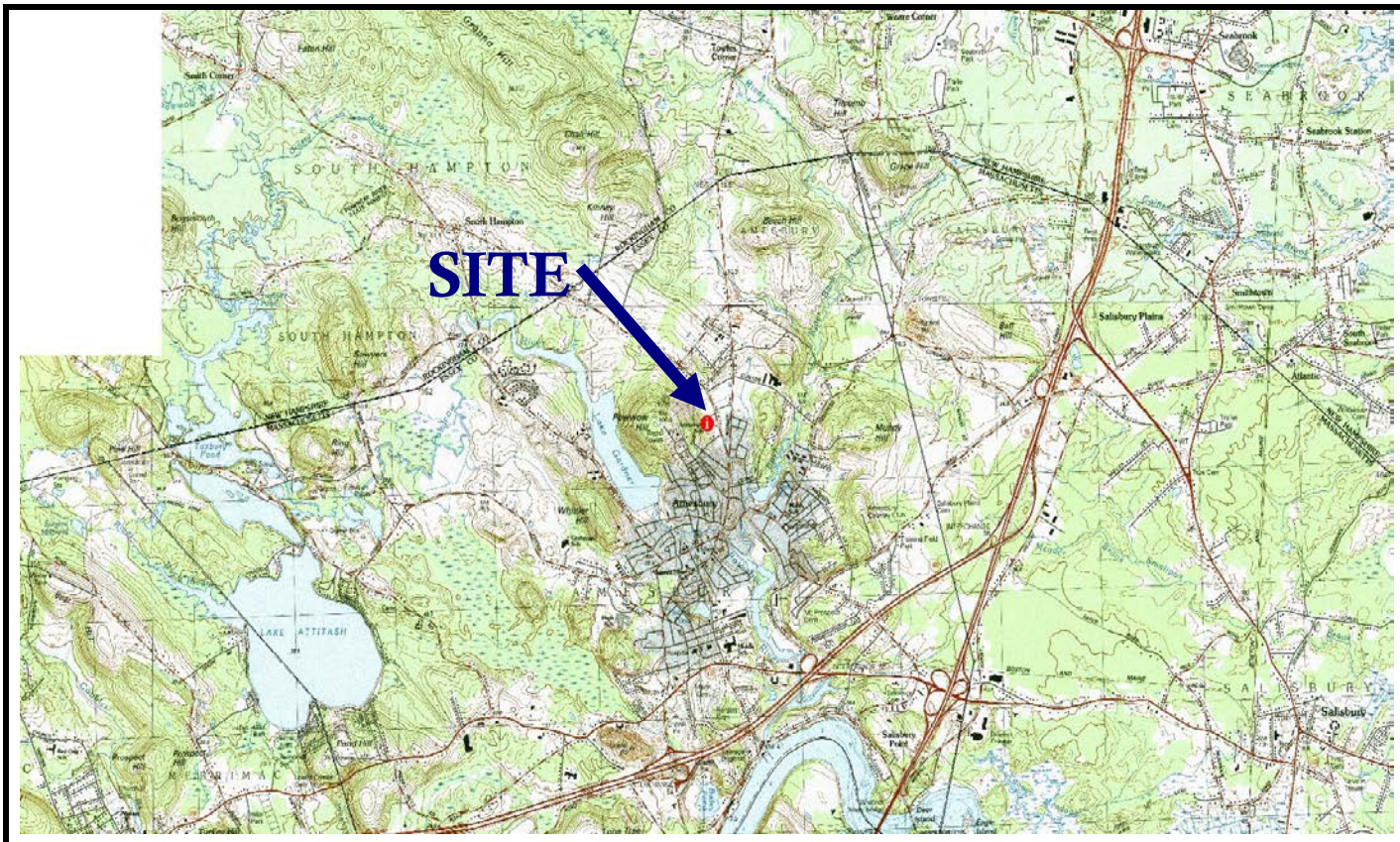
An *environmental issue* refers to environmental concerns identified by *ECMS*, which do not qualify as RECs; however, warrant further discussion.

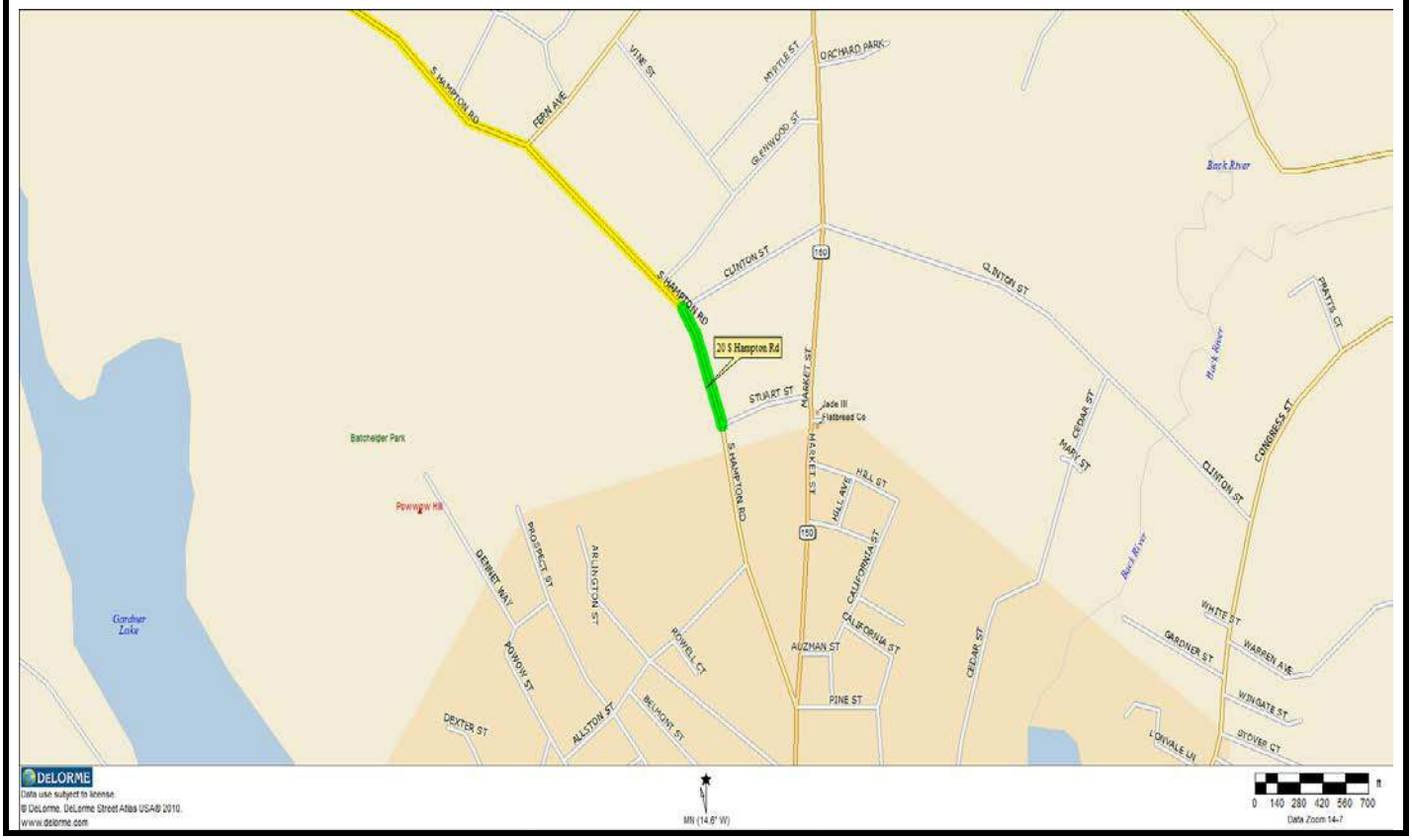
- *ECMS* did not identify any environmental issue during the course of this assessment.

Conclusions, Opinions and Recommendations

The presence of the identified former fuel oil UST poses a REC for this Site. **Therefore, *ECMS* recommends that a subsurface investigation be conducted in the area of this UST to determine if a release of fuel oil from pervious operations had occurred**. This investigation should be performed in general accordance with provisions as referenced in the MassDEP preferred method of documentation as outlined in accordance with *Commonwealth of Massachusetts Underground Storage Tank Closure Assessment Manual* (MADEP Policy #WSC-402-96) dated April 9, 1996.

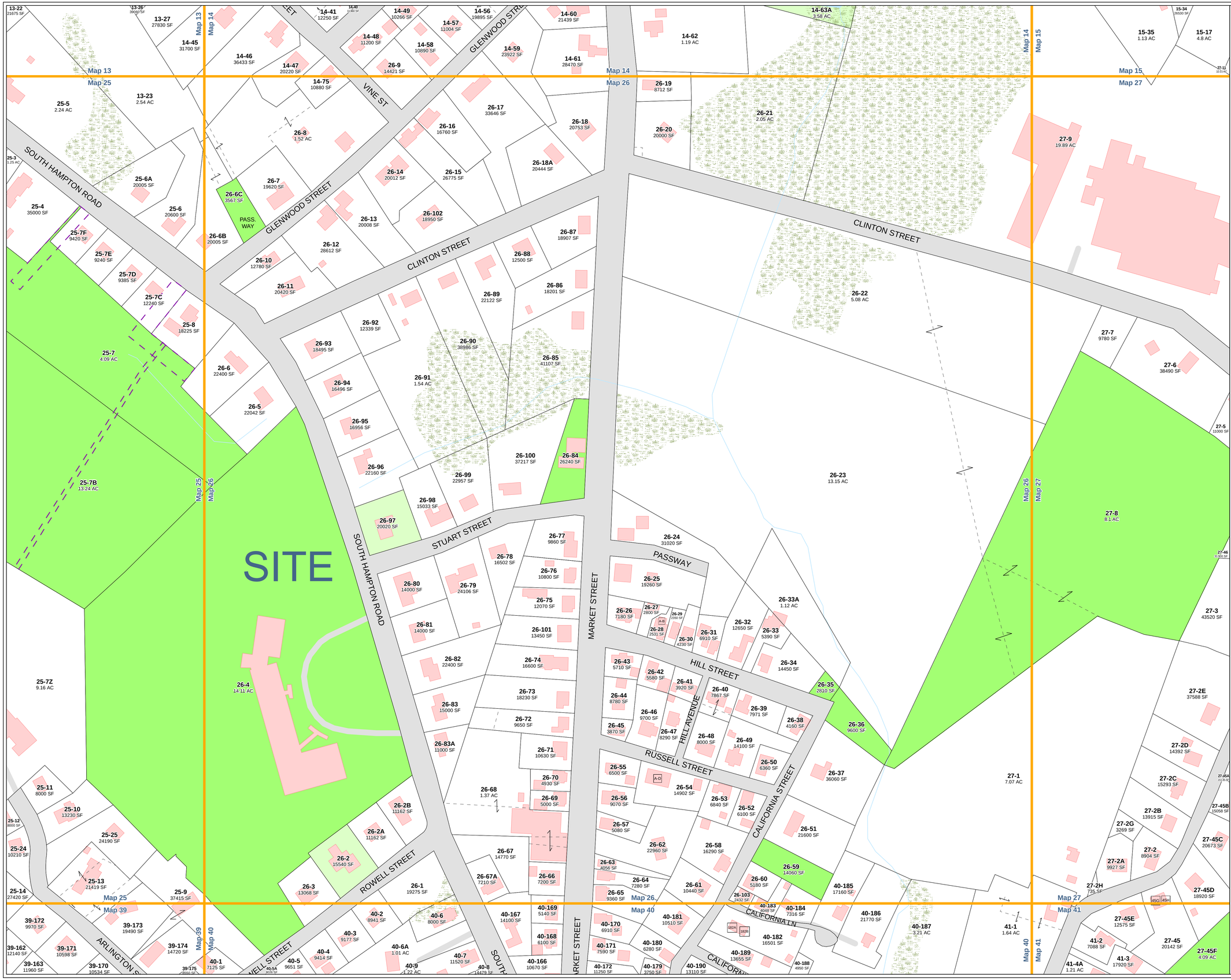
FIGURES





Amesbury Elementary School **20 South Hampton Road** **Amesbury, Massachusetts** **01913**	**Environmental & Construction Management Services, Inc.**	**Project No.** 1009.073	**Figure 1**
		Site Locus / Street Location Plan	
		Drawn By: KJK	**Date:** 8/24/18

N



CITY OF AMESBURY, MASS.

Assessor Maps

Figure 2

LEGEND

- Parcel Line
- Building Footprints
- Prior Parcel Line with Common Ownership
- 5 Condo Unit Number
- Right of Way
- Map Index
- Town Boundaries
- Easements
- Hydrographic Features
- Streams
- Wetlands

Exempt Lands

- Federal
- State
- Municipal
- Private

N

SCALE: 1" = 100'

100 0 100 200 300 400

NOTE:
THE AREAS, BOUNDARIES, AND DIMENSIONS SHOWN ON THIS TAX MAP ARE DERIVED FROM AERIAL PHOTOGRAPHS, GROUND SURVEYS, AND RECORDED PLANS, MAPS, DEEDS, AND WILLS, AND ARE INTENDED TO BE USED FOR PROPERTY ASSESSMENT PURPOSES ONLY AND NOT FOR CONVEYANCE.

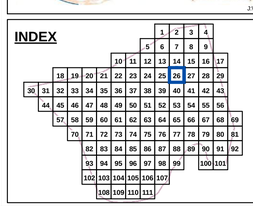
MAP REVISION DATE		
As of January 1, 2018		

Data Sources: The data for this map was supplied by the Merrimack Valley Planning Commission, the Town of Amesbury and the Executive Office of Environmental Affairs/MassGIS.

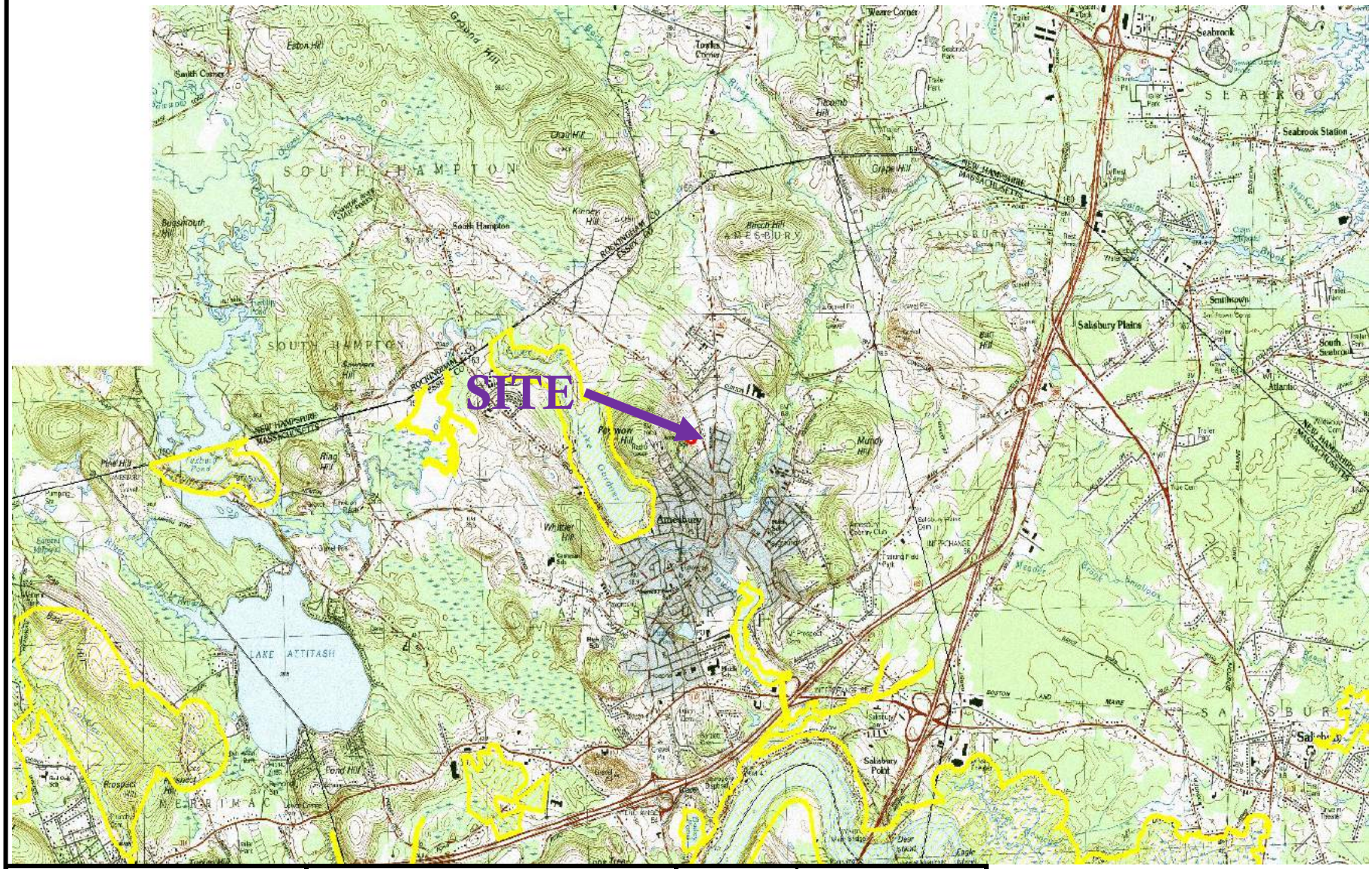
Merrimack Valley Planning Commission
plan • develop • promote

J:\ArcGIS\Amesbury\AmesburyAssessorMap_24x36.mxd

INDEX



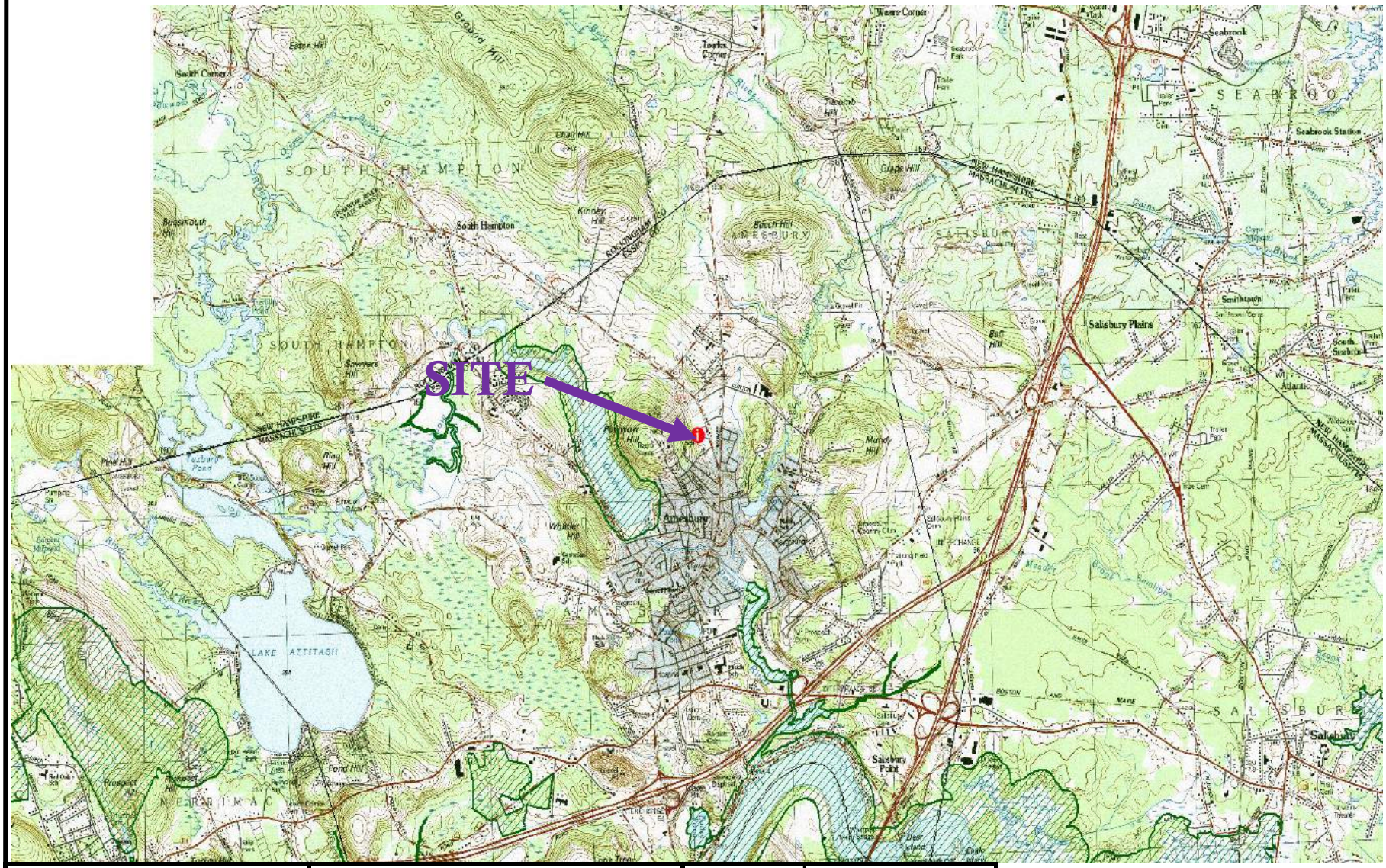
Map 26



Amesbury Elementary School
20 South Hampton Road
Amesbury, Massachusetts
01913

Environmental & Construction Management Services, Inc.

Project No. 1009.073	**Figure 3**
Priority Habitats of Rare Species Plan	
Drawn By: KJK	**Date:** 8/23/18



Amesbury Elementary School **20 South Hampton Road** **Amesbury, Massachusetts** **01913**	**Environmental & Construction Management Services, Inc.**	**Project No.** 1009.073	**Figure 4**
		Map of Estimated Habitats of Rare Wildlife and Certified Vernal Pools	
		Drawn By: KJK	**Date:** 8/23/18



Amesbury Elementary School
20 South Hampton Road
Amesbury, Massachusetts
01913

Environmental & Construction Management Services, Inc.

Project No. 1009.073	**Figure 5**
Aerial Photograph Site Location Plan	
Drawn By: KJK	**Date:** 8/24/2018

FIGURE 6

MassDEP - Bureau of Waste Site Cleanup

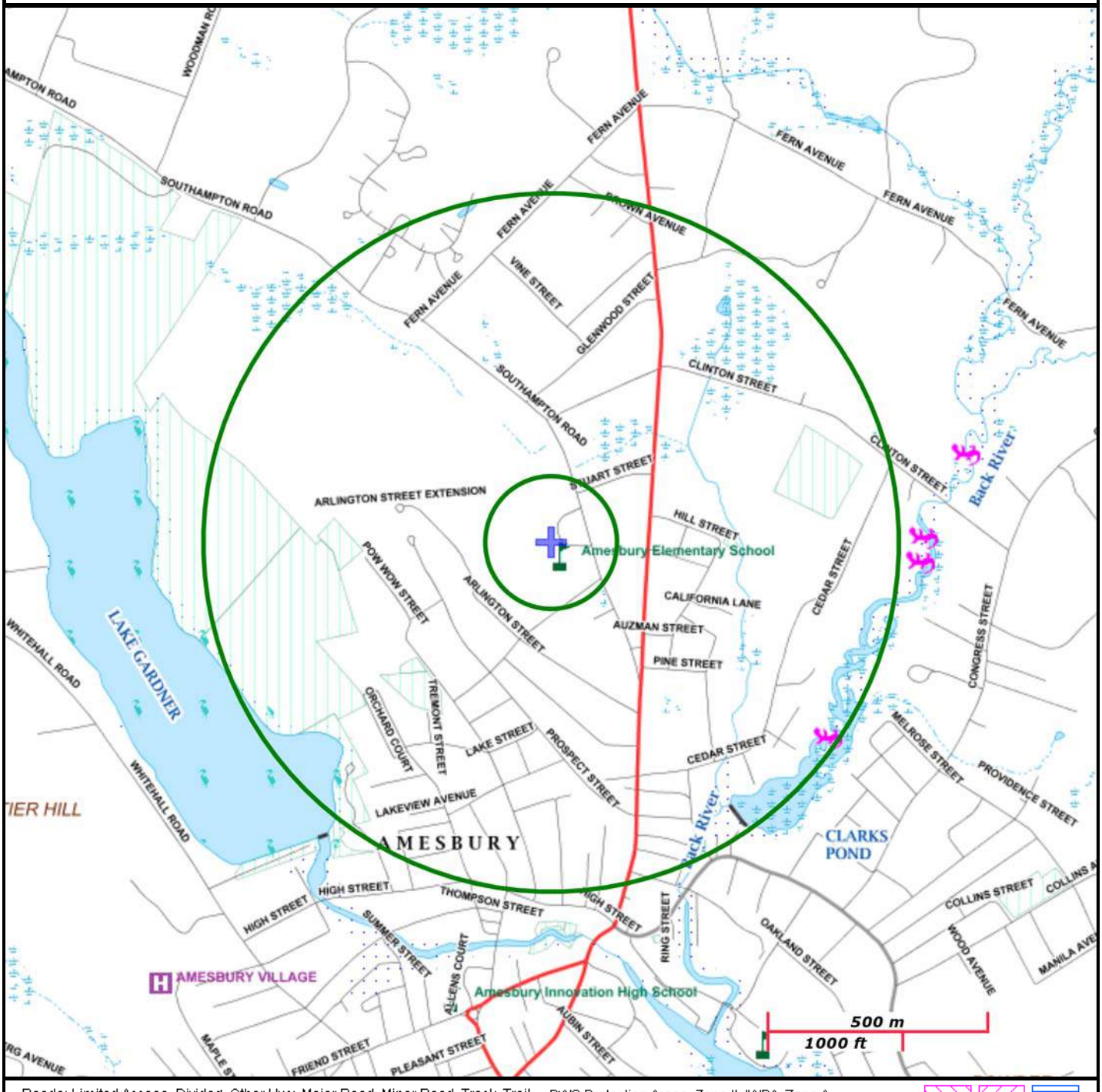
Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii

Site Information:
AMESBURY ELEMENTARY SCHOOL
20 SOUTH HAMPTON ROAD AMESBURY, MA

NAD83 UTM Meters:
4747737mN , 342193mE (Zone: 19)
September 13, 2018

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at: http://www.mass.gov/mgis/.

MassDEP
Commonwealth of Massachusetts
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam

Aquifers: Medium Yield, High Yield, EPA Sole Source

Non Potential Drinking Water Source Area: Medium, High (Yield)

PWS Protection Areas: Zone II, IWPA, Zone A

Hydrography: Open Water, PWS Reservoir, Tidal Flat

Wetlands: Freshwater, Saltwater, Cranberry Bog

FEMA 100yr Floodplain; Protected Open Space; ACEC

Est. Rare Wetland Wildlife Hab; Vernal Pool: Cert., Potential

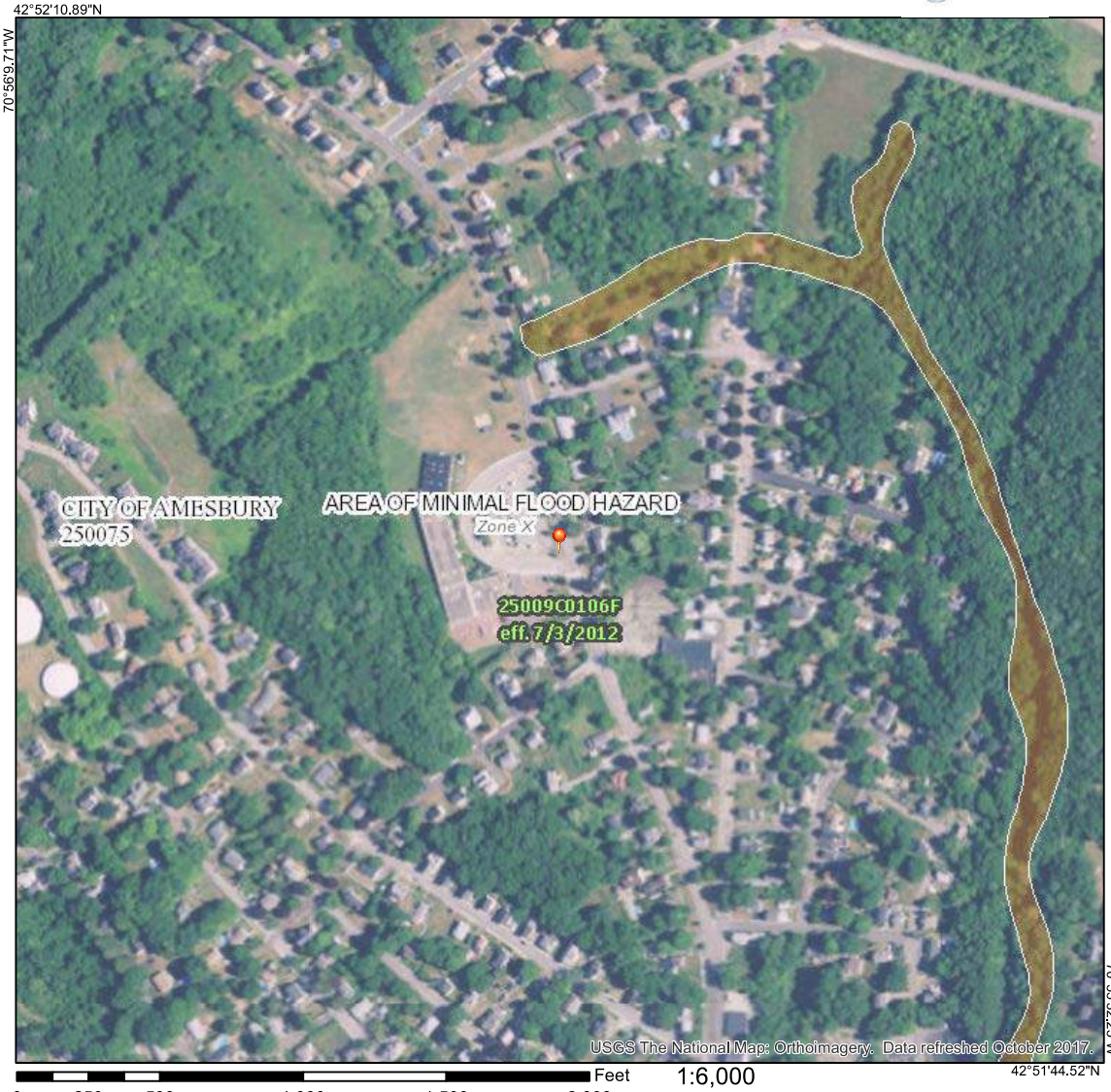
Solid Waste Landfill; PWS: Com.GW,SW, Emerg., Non-Com.

National Flood Hazard Layer FIRMette

FEMA

42°52'10.89"N

70°56'9.71"W



70°55'32.25"W

42°51'44.52"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Legend

FIGURE 7

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/13/2018 at 3:43:27 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Amesbury Elementary School
20 South Hampton Road
Amesbury, Massachusetts
01913

Environmental & Construction Management Services, Inc.

Project No.	Figure 8
1009.073	

Site Plan

Drawn By: KJK	Date: 8/23/18

APPENDIX A

INFORMATION/RESEARCH SOURCES, INFORMATION & HISTORICAL DOCUMENTATION

RESEARCH/INFORMATION SOURCES

Environmental Data Resources, Inc. (EDR) Radius Report with GeoCheck for Target Property in Amesbury, Massachusetts, August 17, 2018.

EDR City Directory Image Reports dated 1961, 1965, 1968, 1973, 1977, 1982, 1987, 1992, 1995, 2000, 2005, 2010 and 2014 for Target Property in Amesbury, Massachusetts, August 17, 2018.

EDR Certified Sanborn Map Report for Target Property in Amesbury, Massachusetts, August 17, 2018.

EDR Historical Aerial Photographs dated 1938, 1953, 1960, 1966, 1973, 1978, 1986, 1992, 1998, 2008, 2012 and 2016 for Target Property in Amesbury, Massachusetts, August 17, 2018.

EDR Historical Topographs dated 1890, 1894, 1932, 1934, 1943, 1944, 1947, 1950, 1952, 1968, 1973, 1979, 1985, 1987 and 2012 for Target Property in Amesbury, Massachusetts, August 17, 2018.

City of Amesbury Assessor's Office records.

City of Amesbury Health Department file review on August 21, 2018.

City of Amesbury Fire Department, Fire Prevention records reviewed on August 21, 2018.

City of Amesbury Clerk's Office on August 21, 2018, no pertinent files.

City of Amesbury Public Works and Engineering Department on August 21, 2018, no pertinent files.

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

Amesbury Elementary School
20 S Hampton Rd
Amesbury, MA 01913

Inquiry Number: 5397479.5
August 20, 2018

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

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

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by
infoUSA®
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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1987	☑	☐	Polk's City Directory
1982	☑	☐	Polk's City Directory
1977	☑	☐	Polk's City Directory
1973	☑	☐	Polk's City Directory
1968	☑	☐	Polk's City Directory
1965	☑	☐	Polk's City Directory
1961	☑	☐	Polk's City Directory

FINDINGS

TARGET PROPERTY STREET

20 S Hampton Rd
Amesbury, MA 01913

Year	*CD Image*	*Source*
S HAMPTON RD		
2014	pg A1	EDR Digital Archive
2010	pg A2	EDR Digital Archive
2005	pg A3	EDR Digital Archive
2000	pg A4	EDR Digital Archive
1995	pg A5	EDR Digital Archive
1992	pg A6	EDR Digital Archive
1987	pg A7	Polk's City Directory
1987	pg A8	Polk's City Directory
1982	pg A10	Polk's City Directory
1982	pg A9	Polk's City Directory
1977	pg A11	Polk's City Directory
1977	pg A12	Polk's City Directory
1973	pg A13	Polk's City Directory
1973	pg A14	Polk's City Directory
1968	pg A15	Polk's City Directory
1968	pg A16	Polk's City Directory
1965	pg A17	Polk's City Directory
1965	pg A18	Polk's City Directory
1961	pg A19	Polk's City Directory
1961	pg A20	Polk's City Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S HAMPTON RD 2014

2	LEGG, DAVID R
	LUNGSTRONG INC
4	LAMANUZZI, LEONARD F
6	GAUDET, GEORGE W
7	POWERS, JACK H
8	ROY, DONALD E
10	NUNES, PETER M
12	COOK, FRED O
14	CALDERWOOD, DAVI L
17	POIRIER, RENEE M
19	WILSON, PATRICIA R
20	AMESBURY SCHOOL DISTRICT
21	PICHE, LOUIS N
23	DANIS, JAMES P
25	OCCUPANT UNKNOWN,
27	SAFRON, ARTHUR
29	MEDVITZ, DAVID J
31	GILCHRIST, STUART R
33	JENSEN, DAVID E
34	RICHMOND, GLEN A
35	MARCIN, JOHN J
36	DUBOC, ELIZABETH
37	OCCUPANT UNKNOWN,
38	BROWN CONSULTING
	BROWN, JONATHAN D
39	COSTA, ANTHONY D
51	J B INVESTORS INC
58	STEAM TRAP SYSTEMS LLC
61	SUZANNE SAUNDERS CDL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S HAMPTON RD 2010

2	D LEGG BUSINESS
	LEGG, DAVID R
4	LAMANUZZI, LEONARD F
6	GAUDET, GEORGE W
7	OLDFORD, ROBERT
	POWERS, JACK H
8	ROY, DONALD E
10	NUNES, PETER M
12	MCDONOUGH, BRUCE W
14	CALDERWOOD, DAVI L
17	POIRIER, RENEE M
19	SPAGNUOLO, PASQUAL E
20	AMESBURY SCHOOL DISTRICT
21	PICHE, LOUIS N
23	DANIS, JAMES P
25	MOODY, CLIFTON L
27	SAFRON, ARTHUR
29	MEDVITZ, DAVID J
31	GILCHRIST, STUART R
33	JENSEN, DAVID E
34	RICHMOND, GLEN A
35	MARCIN, JOHN J
36	DUBOC, ELIZABETH
38	BROWN, JONATHAN
39	EATON, STEFANO M
55	TAITRONICS
58	STERLING CHASE DEVELOPMENT LLC
61	SUZANNE SAUNDERS CDL
66	BAREFOOT FARM MORE THAN
74	PORT TECHNOLOGY INC
77	STARLITE FARM INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S HAMPTON RD 2005

2	D LEGG BUSINESS
	LEGG, DAVID R
4	LAMANUZZI, LEONARD F
6	GAUDET, GEORGE W
7	POWERS, JACK H
8	ROY, DONALD E
9	BASTIEN, IDA M
10	NUNES, PETER M
12	COOK, FRED O
14	CALDERWOOD, DAVID L
17	POIRIER, MARY L
19	SPAGNUOLO, PASQUAL E
20	AMESBURY TOWN OF
21	MARQUIS, RICHARD A
23	DANIS, JAMES P
25	THIBEAULT, LEO J
27	SAFRON, ARTHUR
29	MEDVITZ, DAVID J
31	GILCHRIST, STUART R
33	JENSEN, DAVID E
34	RICHMOND, GLEN A
35	MARCIN, JOHN J
36	VATCHER, NANCY L
37	TIRONE, JOHN J
38	JENKINS, WENDELL N
43	NEW ENGLAND MARINE SUPPLY
58	CAM R HANSEN TRUSTEE 133 13
	STERLING CHASE DEVELOPMENT LLC
77	STARLITE FARM INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S HAMPTON RD 2000

2	LEGG, DAVID R
4	LAMANUZZI, LEN
6	DAY, C N
7	POWERS, JACK
8	ROY, DONALD E
9	BASTIEN, LOUISE
10	BURROWS, PHYLLIS E
17	POIRIER, MARY L
21	MARQUIS, RICHARD A
23	DANIS, OLIVER J
29	MEDVITZ, DAVID
31	RUMMO, RICHARD J
33	JENSEN, DAVID
34	RICHMOND, GLEN A
35	MARCIN, JOHN J
38	JENKINS, WENDELL N
77	STARLITE FARM INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S HAMPTON RD 1995

2	ROSE, MICHAEL
4	MOCKLER, C MICHAEL & MARY JEAN
6	DAY, GEO
	MARBLE, KILBY T
7	GARNIEWICZ, P M
9	BASTIEN, LOUISE
10	BURROWS, JOS F
14	CALDERWOOD, A
21	MARQUIS, RICHARD A
23	DANIS, OLIVER J, JR
25	CRABTREE, ROBT E & IDOLYN
27	LABELLA, CHAS D
29	MEDVITZ, DAVID & MARCIA
31	RUMMO, RICHARD J, JR
33	JENSEN, DAVID & L
34	RICHMOND, GLEN A, JR
35	MARCIN, JOHN J & JUDITH A
36	BOYD, SCOTT & MARIA
40	ATLANTIC FORESTS SKI AREA INC
45	STARLITE FARM INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

S HAMPTON RD 1992

2	ROSE, MICHAEL
4	MOCKLER, C MICHAEL & MARY JEAN
6	DAY, GEO
	MARBLE, KILBY T
7	GARNIEWICZ, P M
9	BASTIEN, LOUISE
10	BURROWS, JOS F
21	STUART, P ARMAND
23	DANIS, OLIVER J, JR
25	CRABTREE, ROBT E & IDOLYN
27	LABELLA, CHAS D
29	MEDVITZ, DAVID & MARCIA
31	RUMMO, RICHARD J, JR
33	JENSEN, DAVID & L
34	RICHMOND, GLEN A, JR
35	MARCIN, JOHN J & JUDITH A
36	BOYD, SCOTT & MARIA
40	ATLANTIC FORESTS SKI AREA INC

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S HAMPTON RD 1987

18-A

HAMPTON RD S (AMESBURY)–FROM 110 MARKET TO NEW HAMPSHIRE LINE

ZIP CODE 01913

2 Rhodes Lucien ◎ 388-9798
3 No Return
4 Elwin Walter E ◎ 388-2517
6 Day Geo E ◎ 388-2355
6½ Marble Barbara 388-0891
7 Bastien Richd ◎ 388-1983
8 Roy Donald E ◎ 388-9235
9 Bastien Ida M ◎ 388-0100
10 Burrows Phyllis E ◎ 388-1049
ROWELL ST BEGINS
19 Riopel Albert L ◎
20 No Return
21 Stuart Armand P ◎ 388-0505

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S HAMPTON RD 1987

23 Danis Oliver J Jr © 388-2193
25 Crabtree Robt E © 388-1735
STUART ST BEGINS
27 La Bella Chas D © 388-5659
29★Darbyshire Rachel C Mrs
388-2725
Amesbury Elementary School
388-3659
31 Lloyd Jeffrey M © 388-4697
32 Atlantic Forests Ski Area
388-6133
33 Jensen David E © 388-5228
34★Richmond Glen A Jr ©
388-0144
35 Marcin John J © 388-5798
36★Boyd Scott 388-2597
37★Tirone John J Jr © 388-1262
CLINTON ST EXTN BEGINS
GLENWOOD ST BEGINS
38 Jenkins Wendell N © 388-1368
41 Henshaw Stella B
45 Theriault Phyllis G Mrs ©
388-0247
46 Garand Maurice H © 388-1916
47★Turelson Stanley D ©
388-0371
FERN AVBEGINS
48 Mason Robt B © 388-2149
50 Reynolds Myrtle I Mrs ©
388-9484
52 Kitchin Marton E © 288-1134
55 Flanagan John J © 388-5499
56 Zagranis Paul B 388-9716
57 Tedoldi John S © 388-3981
58★Clark J 388-3258
61 Lancey Joe © 388-9374
62 La Valley Jas E © 288-9716
63 Speck Forrest J © 388-9142
64★Welch Edw J © 388-4572
65★George Nancy L © 388-2152
66 Dugan Carol Mrs © 388-3237
69★Kelly P David © 388-4241
69a★Sherrill Timothy
72 Parker Patricia A Mrs ©
288-1537
74★Noiseux
85★Webber Fred 388-9242
★Wallem Bodo
88 Marquis Robt F © 388-9529
90★Bursaw Jonathan N ©
388-5471
93 Mazur Adam J © 388-9067
Mazur Richd A © 288-9064
94 Harnisch Ann M Mrs ©
288-1857
98 Hodge Burton A © 388-1707

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S HAMPTON RD 1982

SOUTH HAMPTON RD (AMESBURY)—FROM 110 MARKET TO NEW HAMPSHIRE LINE

ZIP CODE 01913
(NUMBERS IRREGULAR)

2 Rhodes Lucien ◎
4 Elwin Walter E ◎ 388-2517
6 Day Geo E ◎ 388-2355
6½ Vacant
7 Bastien Richd ◎ 388-1983
8 Roy Donald E ◎ 388-9235
9 Bastien Ida M ◎ 388-0100

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S HAMPTON RD 1982

10 No Return
ROWELL ST BEGINS
13 Ox Bow Restaurant The
388-0100
19 Riopel Albert L ◎
21 Stuart Armand P ◎ 388-0505
23 Danis Oliver J Jr ◎ 388-2193
25 Nichols Merilyn E Mrs ◎
388-0134
27 La Bella Chas D ◎ 388-5659
29 Kaizer Irving
Tirone John J Jr ◎ 388-1262
Amesbury Elementary School
388-3659
30 Jenkins Wendell N ◎ 388-1368
31 Vacant
33★Gangemi Linda M
GLENWOOD ST BEGINS
FERN AV BEGINS
Morse Randolph P ◎ 388-1934
45 Kinney Herman B ◎ 388-0472
Sears Harry E 388-1711
WOODMAN RD BEGINS
Theriault Albert J ◎ 388-0247
Locke's Ski Tow amusements
388-9205
Mason Robt B ◎ 388-2149
47 Garand Maurice H ◎ 388-1916
Mazur Adam J ◎ 388-9067
Mazur Richd A
Reynolds Myrtle I Mrs ◎
388-9484
Lancey Joel 388-9374
Kitchin Marlon E ◎ 388-1134
La Valley James E ◎ 388-2034
★Hodge Burton A 388-1707
★Henshaw Stella B
Parker Patricia A Mrs ◎
388-1537
Zagranis Paul B ◎ 388-1823
Marquis Robt F ◎ 388-9529
Speck Forrest J ◎ 388-9142
Tedoldi John S ◎ 388-3981
Dugan Joseph J ◎ 388-3237
★Welch Edw J 388-4572
Farrell Laurie A 388-9124
Harnisch Ann M Mrs 388-1857

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S HAMPTON RD 1977

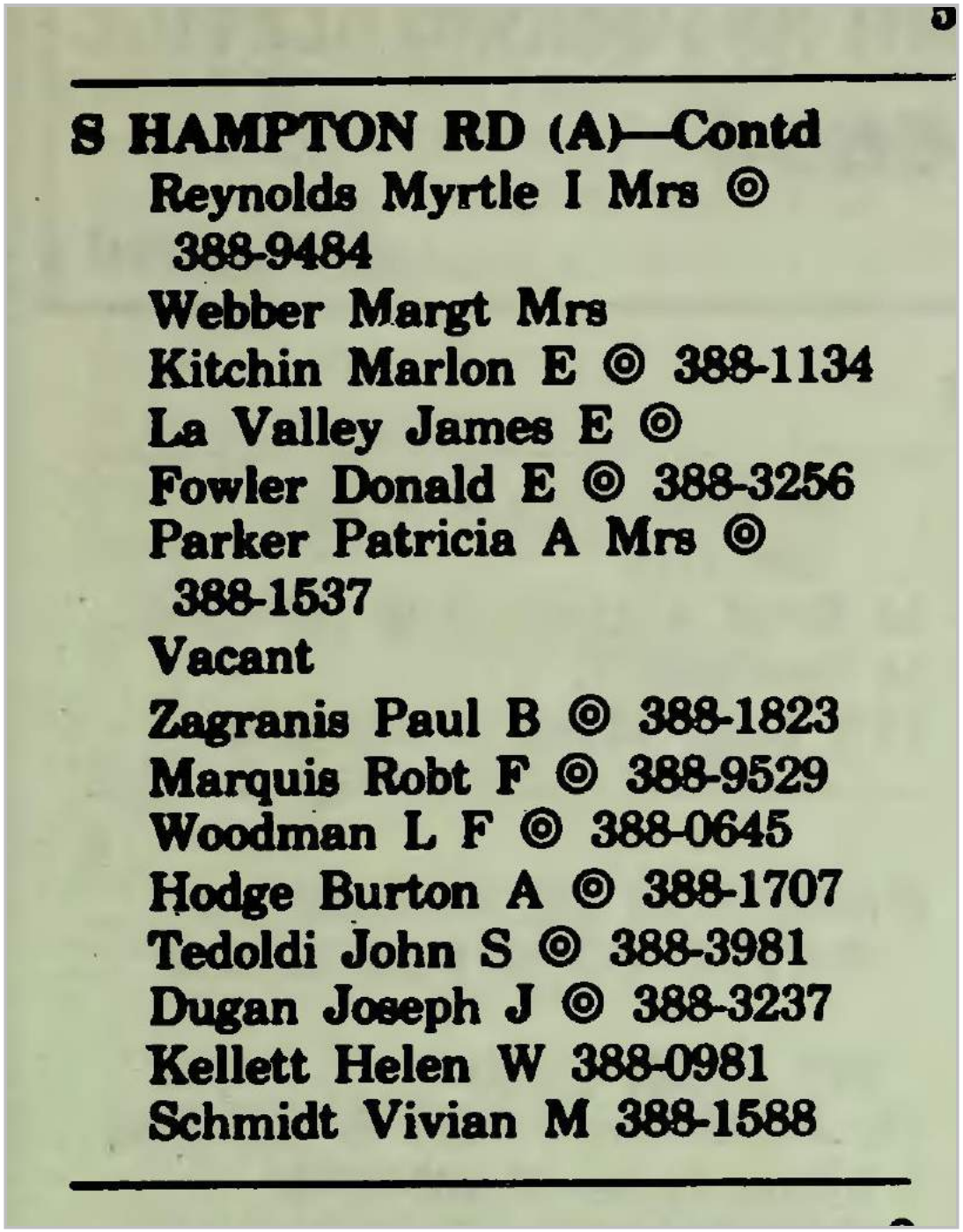
HAMPTON RD S
(AMESBURY)—FROM 110 MARKET TO NEW HAMPSHIRE LINE

ZIP CODE 01913
(NUMBERS IRREGULAR)

2 Sargent Margt F Mrs ◎ 388-0129
4 Elwin Walter E ◎ 388-2517
6 Day Geo E ◎ 388-2355
6½ Nelson Lena W Mrs 388-2355
7 Cote Yvonne M ◎ 388-2870
8 Roy Donald E ◎ 388-9235
9 Bastien Marie L Mrs ◎ 388-0100
10 Burrows Joseph F ◎ 388-1049
ROWELL ST BEGINS
13 Ox Bow Restaurant The 388-0100
19 Riopel Albert L ◎
21 Stuart Armand P ◎ 388-0505
23 Danis Oliver J Jr ◎ 388-2193
25★Mc Laughlin Marilyn
27 Senechal Paul A ◎ 388-3583
30 Jenkins Wendell N ◎ 388-1368
Hanshaw Stella S Mrs
GLENWOOD ST BEGINS
FERN AV BEGINS
Slade Jeffrey H ◎ 388-1017
Morse Randolph P ◎ 388-1934
44 Pomprowicz A F 388-9124
45 Kinney Herman B ◎ 388-0472
Sears Harry E 388-1711
WOODMAN RD BEGINS
Amesbury Elementary School 388-3659
Theriault Albert J ◎ 388-0247
Locke's Ski Tow amusements 388-9205
Lindfors Eric S ◎ 388-4452
29 Tirone John J Jr ◎ 388-1262
Mason Irene M Mrs ◎ 388-2149
47 Garand Maurice H ◎ 388-1916
Mazur Adam J ◎ 388-9064

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S HAMPTON RD 1977



S HAMPTON RD (A)—Contd

Reynolds Myrtle I Mrs ◎
388-9484
Webber Margt Mrs
Kitchin Marlon E ◎ 388-1134
La Valley James E ◎
Fowler Donald E ◎ 388-3256
Parker Patricia A Mrs ◎
388-1537
Vacant
Zagranis Paul B ◎ 388-1823
Marquis Robt F ◎ 388-9529
Woodman L F ◎ 388-0645
Hodge Burton A ◎ 388-1707
Tedoldi John S ◎ 388-3981
Dugan Joseph J ◎ 388-3237
Kellett Helen W 388-0981
Schmidt Vivian M 388-1588

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S HAMPTON RD 1973

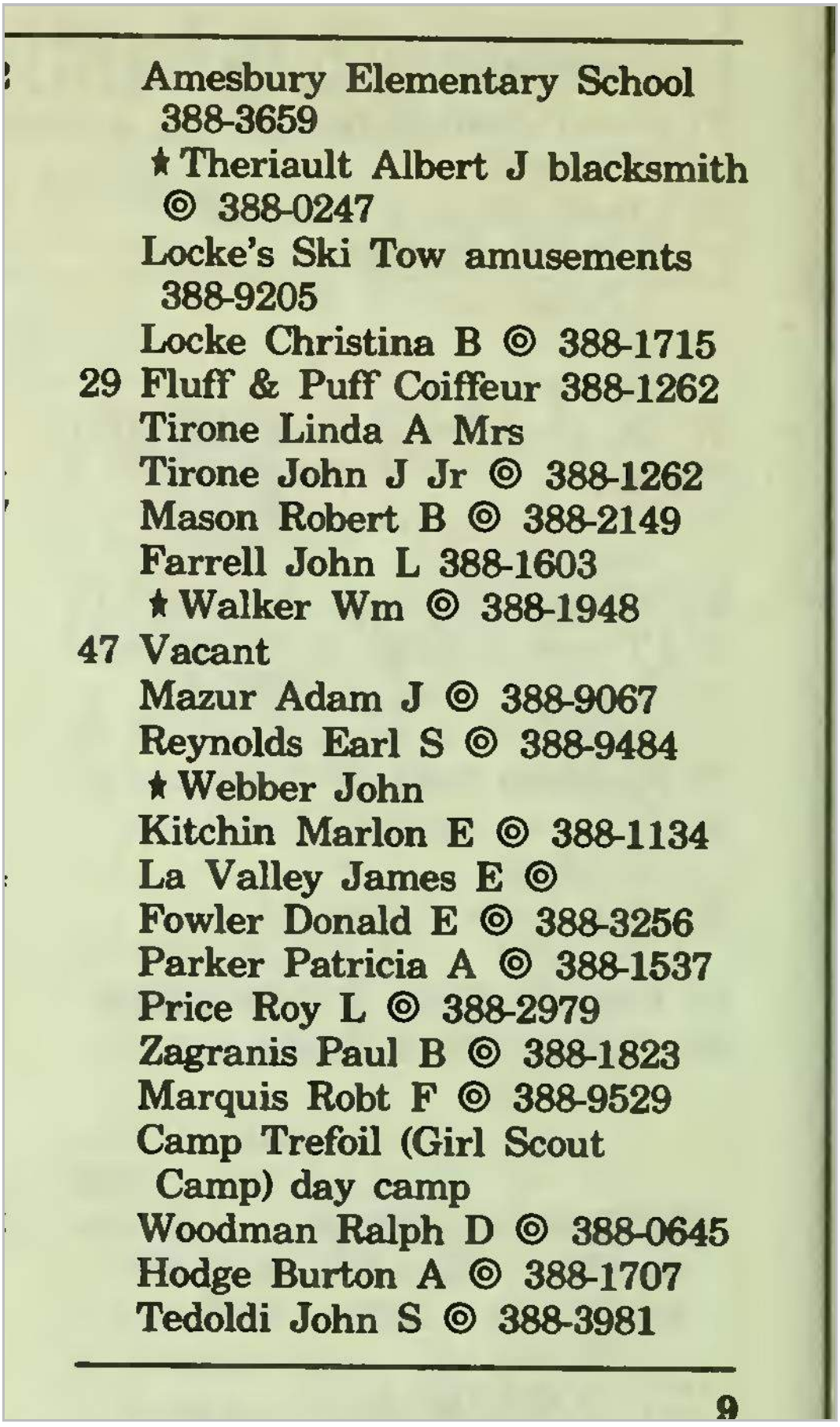
HAMPTON RD S
(AMESBURY)—FROM 110 MARKET TO NEW HAMPSHIRE LINE

ZIP CODE 01913
(NUMBERS IRREGULAR)

2 Sargent Margt F Mrs ◎ 388-0129
4 Sanborn Anita Mrs 388-3895
6½ Day Geo E ◎ 388-2355
6 Nelson Lena W Mrs ◎ 388-2355
7 Cote Yvonne M ◎ 388-2870
8 Roy Donald E ◎ 388-9235
9 Bastien Marie L Mrs ◎ 388-0100
10 Burrows Joseph F ◎ 388-1049
ROWELL ST BEGINS
13 Ox Bow Restaurant The 388-0100
19 Riopel Albert L ◎ 388-9440
21 Stuart Armand P ◎ 388-0505
23 Danis Oliver J Jr ◎ 388-2193
25 Nichols Romeo A ◎ 388-1992
27 Morris Geo E ◎ 388-0886
30 Jenkins Wendell N ◎ 388-1368
Hanshaw Stella S Mrs
GLENWOOD ST BEGINS
FERN AV BEGINS
★Schmidt Vivian M Mrs ◎ 388-1588
★Slade Jeffrey H ◎ 388-1017
Morse Randolph P ◎ 388-1934
45 Kinney Herman B ◎ 388-0472
Sears Harry E 388-1711
WOODMAN RD BEGINS

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S HAMPTON RD 1973

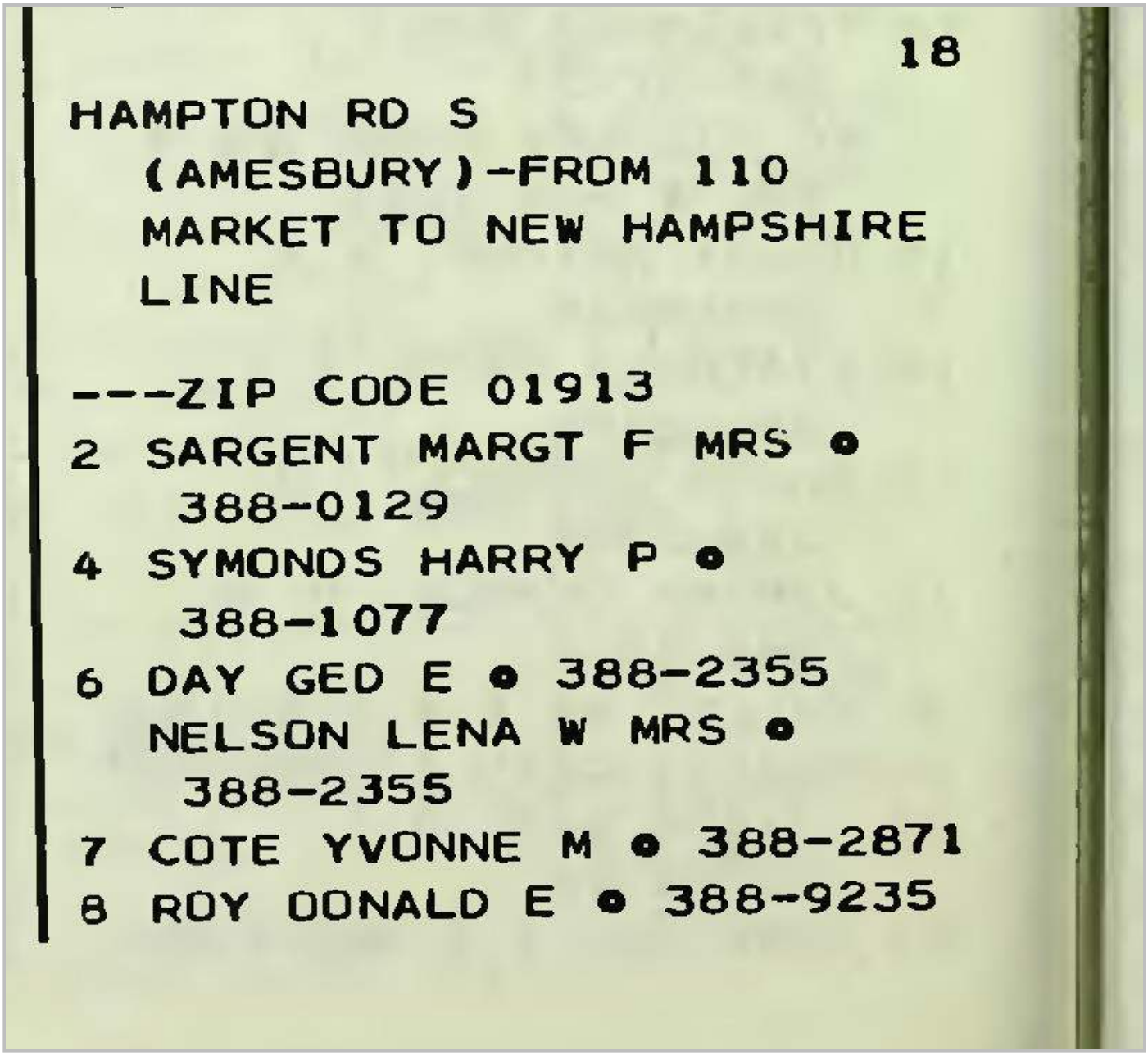


Amesbury Elementary School
388-3659
★Theriault Albert J blacksmith
◎ 388-0247
Locke's Ski Tow amusements
388-9205
Locke Christina B ◎ 388-1715
29 Fluff & Puff Coiffeur 388-1262
Tirone Linda A Mrs
Tirone John J Jr ◎ 388-1262
Mason Robert B ◎ 388-2149
Farrell John L 388-1603
★Walker Wm ◎ 388-1948
47 Vacant
Mazur Adam J ◎ 388-9067
Reynolds Earl S ◎ 388-9484
★Webber John
Kitchin Marlon E ◎ 388-1134
La Valley James E ◎
Fowler Donald E ◎ 388-3256
Parker Patricia A ◎ 388-1537
Price Roy L ◎ 388-2979
Zagranis Paul B ◎ 388-1823
Marquis Robt F ◎ 388-9529
Camp Trefoil (Girl Scout
Camp) day camp
Woodman Ralph D ◎ 388-0645
Hodge Burton A ◎ 388-1707
Tedoldi John S ◎ 388-3981

9

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S HAMPTON RD 1968



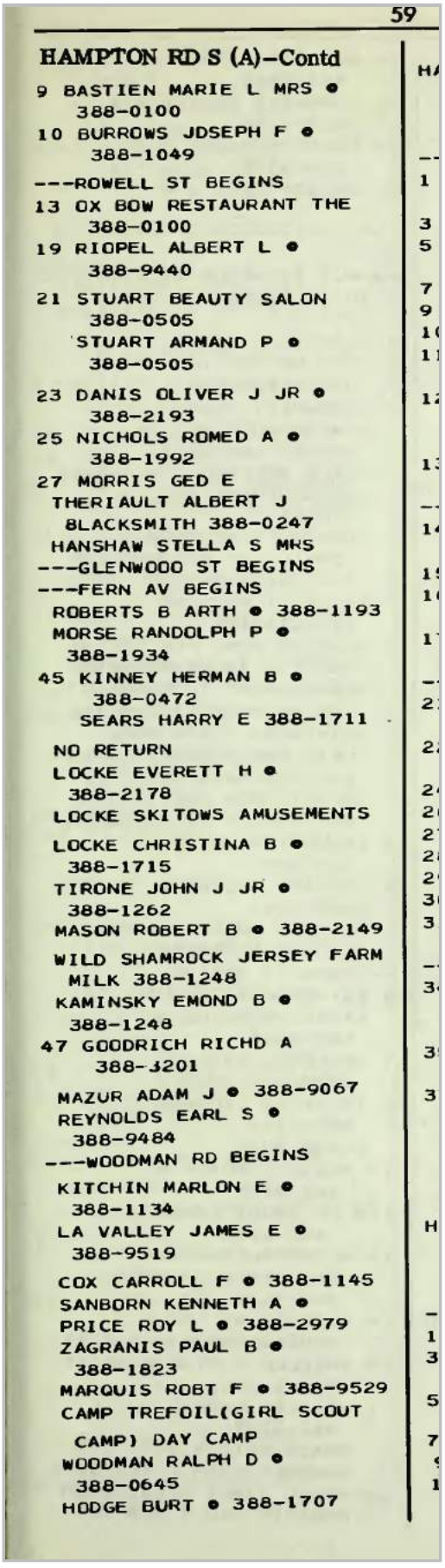
18

HAMPTON RD S
(AMESBURY)-FROM 110
MARKET TO NEW HAMPSHIRE
LINE

---ZIP CODE 01913
2 SARGENT MARGT F MRS ●
388-0129
4 SYMONDS HARRY P ●
388-1077
6 DAY GED E ● 388-2355
NELSON LENA W MRS ●
388-2355
7 COTE YVONNE M ● 388-2871
8 ROY OONALD E ● 388-9235

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S HAMPTON RD 1968



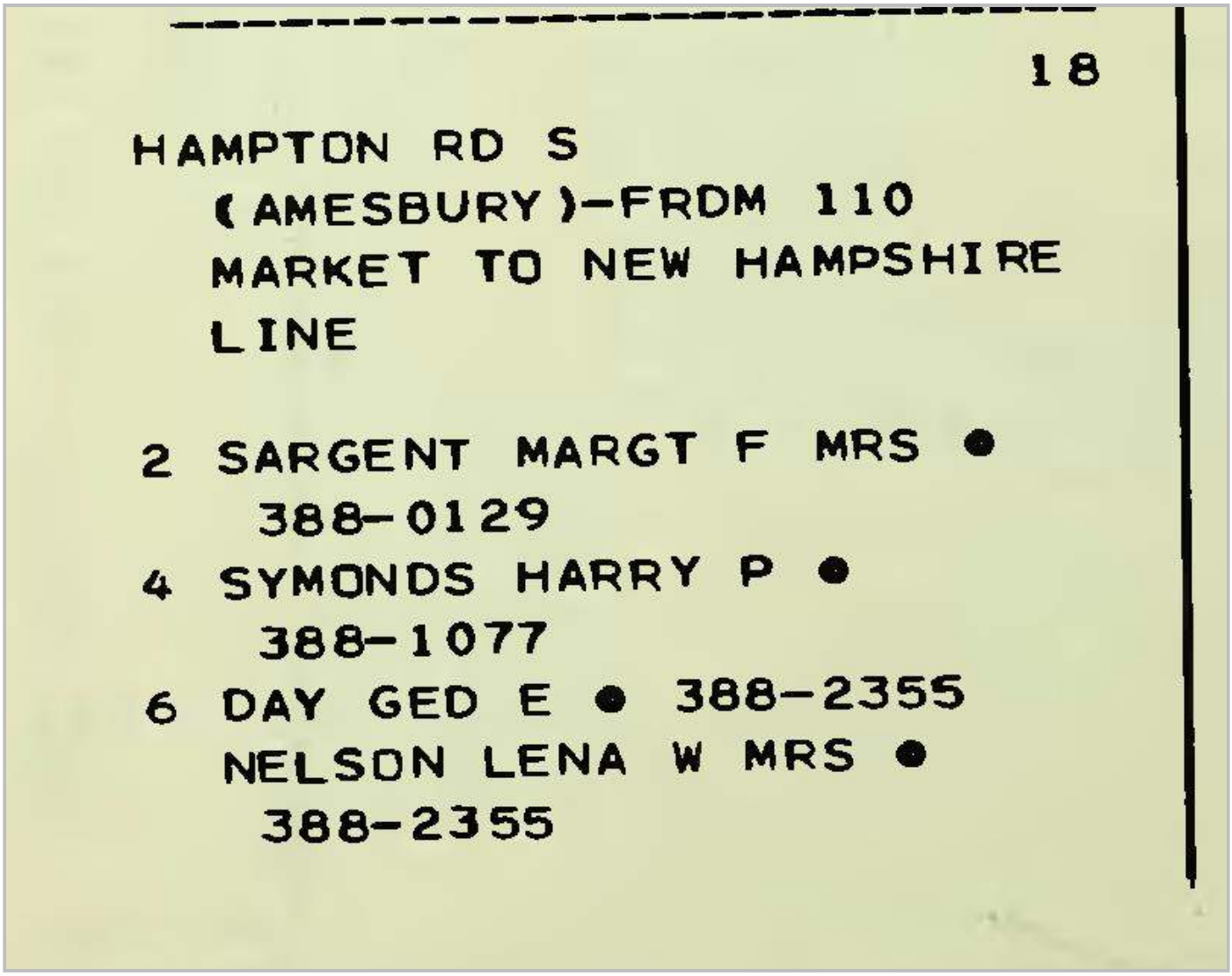
59

HAMPTON RD S (A)–Contd

9 BASTIEN MARIE L MRS ●
388-0100
10 BURROWS JDSEPH F ●
388-1049
---ROWELL ST BEGINS
13 OX BOW RESTAURANT THE
388-0100
19 RIOPEL ALBERT L ●
388-9440
21 STUART BEAUTY SALON
388-0505
STUART ARMAND P ●
388-0505
23 DANIS OLIVER J JR ●
388-2193
25 NICHOLS ROMED A ●
388-1992
27 MORRIS GED E
THERIAULT ALBERT J
BLACKSMITH 388-0247
HANSHAW STELLA S MRS
---GLENWOOD ST BEGINS
---FERN AV BEGINS
ROBERTS B ARTH ● 388-1193
MORSE RANDOLPH P ●
388-1934
45 KINNEY HERMAN B ●
388-0472
SEARS HARRY E 388-1711
NO RETURN
LOCKE EVERETT H ●
388-2178
LOCKE SKITOWS AMUSEMENTS
LOCKE CHRISTINA B ●
388-1715
TIRONE JOHN J JR ●
388-1262
MASON ROBERT B ● 388-2149
WILD SHAMROCK JERSEY FARM
MILK 388-1248
KAMINSKY EMOND B ●
388-1248
47 GOODRICH RICHD A
388-3201
MAZUR ADAM J ● 388-9067
REYNOLDS EARL S ●
388-9484
---WOODMAN RD BEGINS
KITCHIN MARLON E ●
388-1134
LA VALLEY JAMES E ●
388-9519
COX CARROLL F ● 388-1145
SANBORN KENNETH A ●
PRICE ROY L ● 388-2979
ZAGRANIS PAUL B ●
388-1823
MARQUIS ROBT F ● 388-9529
CAMP TREFOIL(GIRL SCOUT
CAMP) DAY CAMP
WOODMAN RALPH D ●
388-0645
HODGE BURT ● 388-1707

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S HAMPTON RD 1965



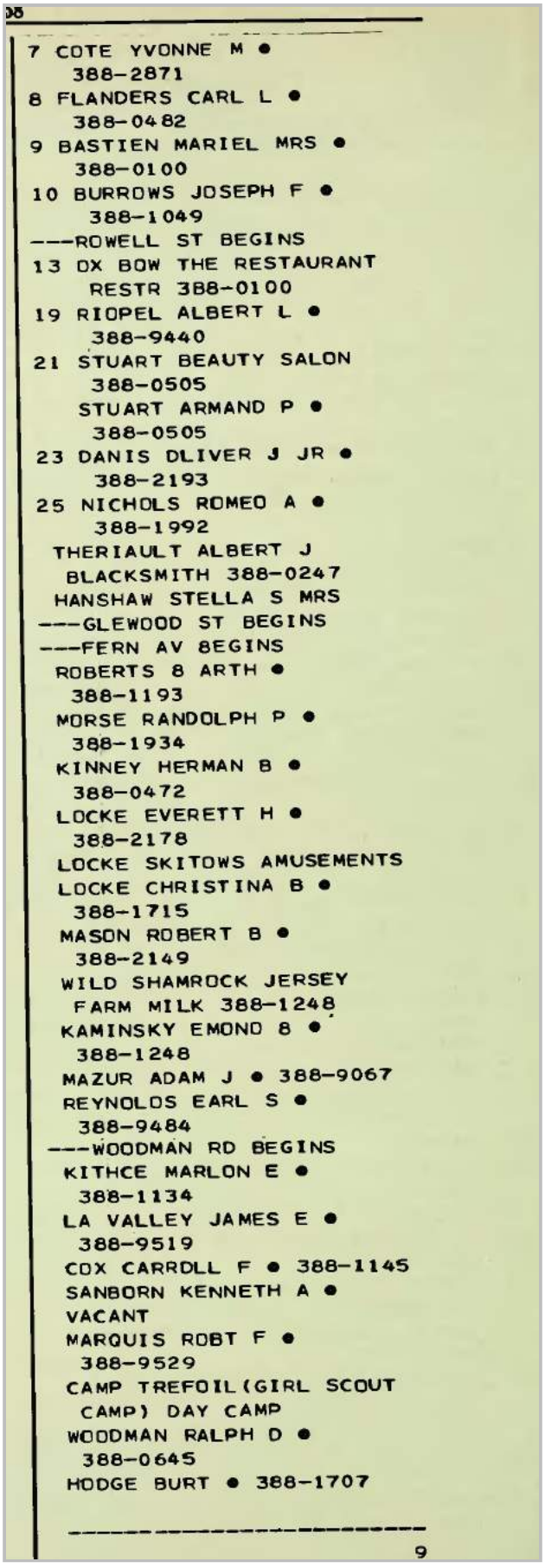
18

HAMPTON RD S
(AMESBURY)-FRDM 110
MARKET TO NEW HAMPSHIRE
LINE

2 SARGENT MARGT F MRS ●
388-0129
4 SYMONDS HARRY P ●
388-1077
6 DAY GED E ● 388-2355
NELSON LENA W MRS ●
388-2355

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S HAMPTON RD 1965

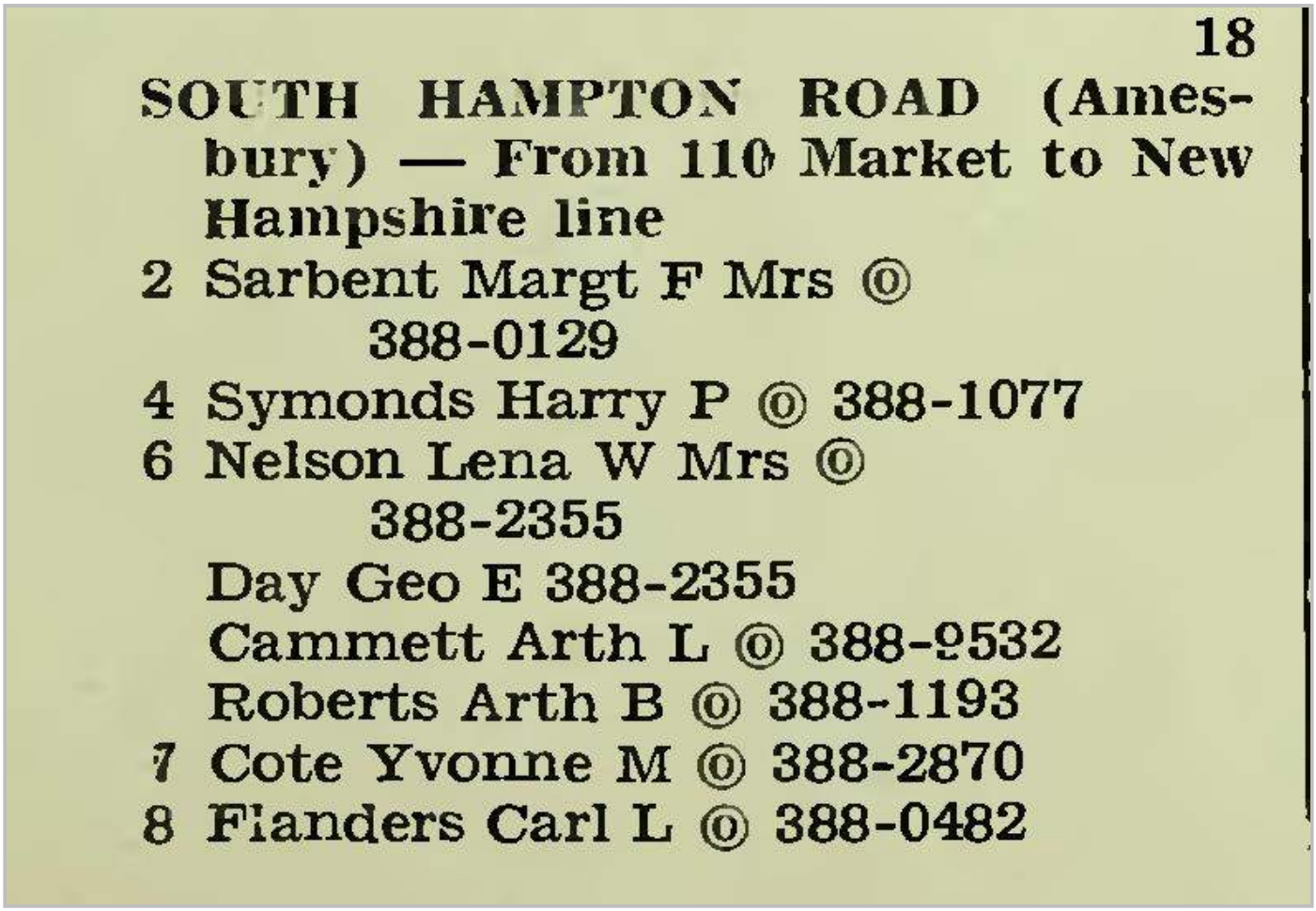


7 COTE YVONNE M ●
388-2871
8 FLANDERS CARL L ●
388-0482
9 BASTIEN MARIEL MRS ●
388-0100
10 BURROWS JOSEPH F ●
388-1049
---ROWELL ST BEGINS
13 OX BOW THE RESTAURANT
RESTR 388-0100
19 RIOPEL ALBERT L ●
388-9440
21 STUART BEAUTY SALON
388-0505
STUART ARMAND P ●
388-0505
23 DANIS DLIVER J JR ●
388-2193
25 NICHOLS ROMEO A ●
388-1992
THERIAULT ALBERT J
BLACKSMITH 388-0247
HANSHAW STELLA S MRS
---GLEWOOD ST BEGINS
---FERN AV BEGINS
ROBERTS B ARTH ●
388-1193
MORSE RANDOLPH P ●
388-1934
KINNEY HERMAN B ●
388-0472
LOCKE EVERETT H ●
388-2178
LOCKE SKITOWS AMUSEMENTS
LOCKE CHRISTINA B ●
388-1715
MASON ROBERT B ●
388-2149
WILD SHAMROCK JERSEY
FARM MILK 388-1248
KAMINSKY EMOND B ●
388-1248
MAZUR ADAM J ● 388-9067
REYNOLDS EARL S ●
388-9484
---WOODMAN RD BEGINS
KITHCE MARLON E ●
388-1134
LA VALLEY JAMES E ●
388-9519
COX CARRDLL F ● 388-1145
SANBORN KENNETH A ●
VACANT
MARQUIS ROBT F ●
388-9529
CAMP TREFOIL(GIRL SCOUT
CAMP) DAY CAMP
WOODMAN RALPH D ●
388-0645
HODGE BURT ● 388-1707

9

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S HAMPTON RD 1961



18

SOUTH HAMPTON ROAD (Amesbury) — From 110 Market to New Hampshire line

2 Sarbent Margt F Mrs ©
388-0129

4 Symonds Harry P © 388-1077

6 Nelson Lena W Mrs ©
388-2355

Day Geo E 388-2355

Cammett Arth L © 388-9532

Roberts Arth B © 388-1193

7 Cote Yvonne M © 388-2870

8 Flanders Carl L © 388-0482

Target Street	Cross Street	Source
✓	-	Polk's City Directory

S HAMPTON RD 1961

9 Bastien Huldege O © 388-0100
10 Burrows Jos F © 388-1049
Rowell begins
13 Ox Bow The rstr 388-0100
19 Riopel Albert L jr © 388-9440
21 Stuart Beauty Salon 388-0505
Stuart Armand P © 388-0505
25 Nichols Romeo A © 388-1992
—— Therriault Albert J blksmith © 388-0247
—— Hanshaw Geo L
Glenwood begins
Fern av begins
Rines Albert H © 388-0250
Morse Randolph P © 388-1934
Kinney Hermann B 388-0472
Locke Everett H © 388-9504
rear Locke's Ski Tows 388-9504
—— Sears Harry E © 388-1711
—— Locke Harvey B © 388-1715
—— Mason Robt B © 388-2149
—— Kaminski Edmund B © 388-1248
—— Wild Shamrock Jersery Farm milk 388-1248
—— Mazur Adam © 388-9067
—— Reynolds Earl S © 388-9484
Woodman rd begins
Kitchen Marlon E © 388-11
Kellett Fredk B © 388-0981
Vacant
Price Roy L © 388-2979
Cox Carroll F © 388-1145
Lavalley Jas E © 388-9519
Tufts Wm H
Hellen Jas jr 388-2626
Marquis Robt © 388-9529
Camp Merrivale Girl Scout Camp
Woodman Ralph D
Dixon Elwood M © 388-9101

Amesbury Elementary School
20 S Hampton Rd
Amesbury, MA 01913

Inquiry Number: 5397479.3
August 20, 2018

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/20/18

Site Name:

Amesbury Elementary School
20 S Hampton Rd
Amesbury, MA 01913
EDR Inquiry # 5397479.3

Client Name:

ECMS, Inc.
288 Grove Street #391
Braintree, MA 02184
Contact: Kevin Kavanaugh

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Certified Sanborn Results:

Certification # 1E39-4783-9E67

PO # 1009.073

Project DiNisco/Amesbury Elem. School

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 1E39-4783-9E67

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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Amesbury Elementary School

20 S Hampton Rd

Amesbury, MA 01913

Inquiry Number: 5397479.8

August 17, 2018

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

08/17/18

Site Name:

Amesbury Elementary School
20 S Hampton Rd
Amesbury, MA 01913
EDR Inquiry # 5397479.8

Client Name:

ECMS, Inc.
288 Grove Street #391
Braintree, MA 02184
Contact: Kevin Kavanaugh

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
1998	1"=500'	Acquisition Date: April 11, 1998	USGS/DOQQ
1992	1"=500'	Flight Date: April 29, 1992	USGS
1986	1"=500'	Flight Date: April 01, 1986	USDA
1978	1"=500'	Flight Date: April 23, 1978	USGS
1973	1"=500'	Flight Date: April 16, 1973	USGS
1966	1"=500'	Flight Date: April 15, 1966	USGS
1960	1"=500'	Flight Date: May 01, 1960	USGS
1953	1"=500'	Flight Date: May 03, 1953	USGS
1938	1"=500'	Flight Date: November 01, 1938	USGS

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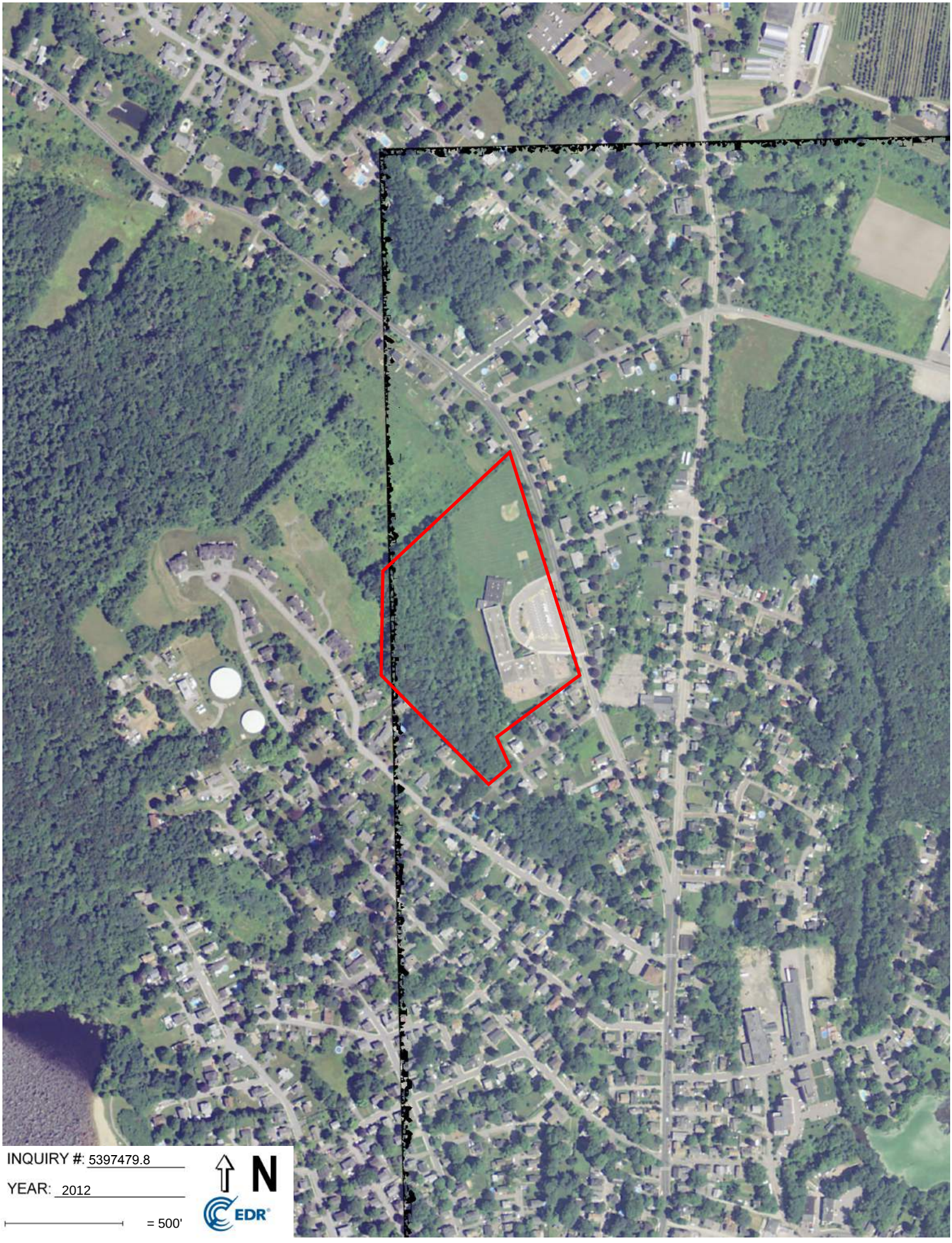
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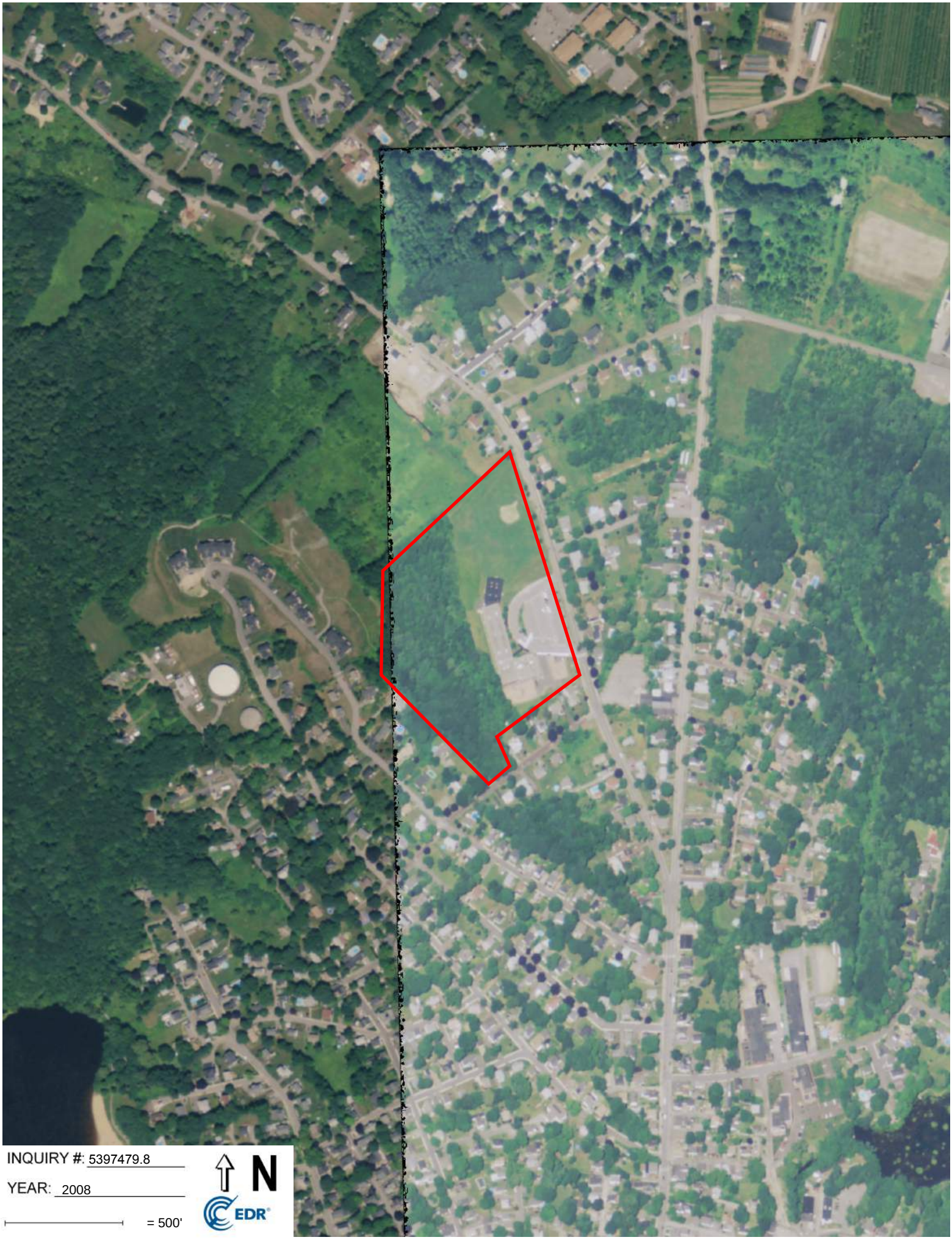
EDR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YEAR: 1992

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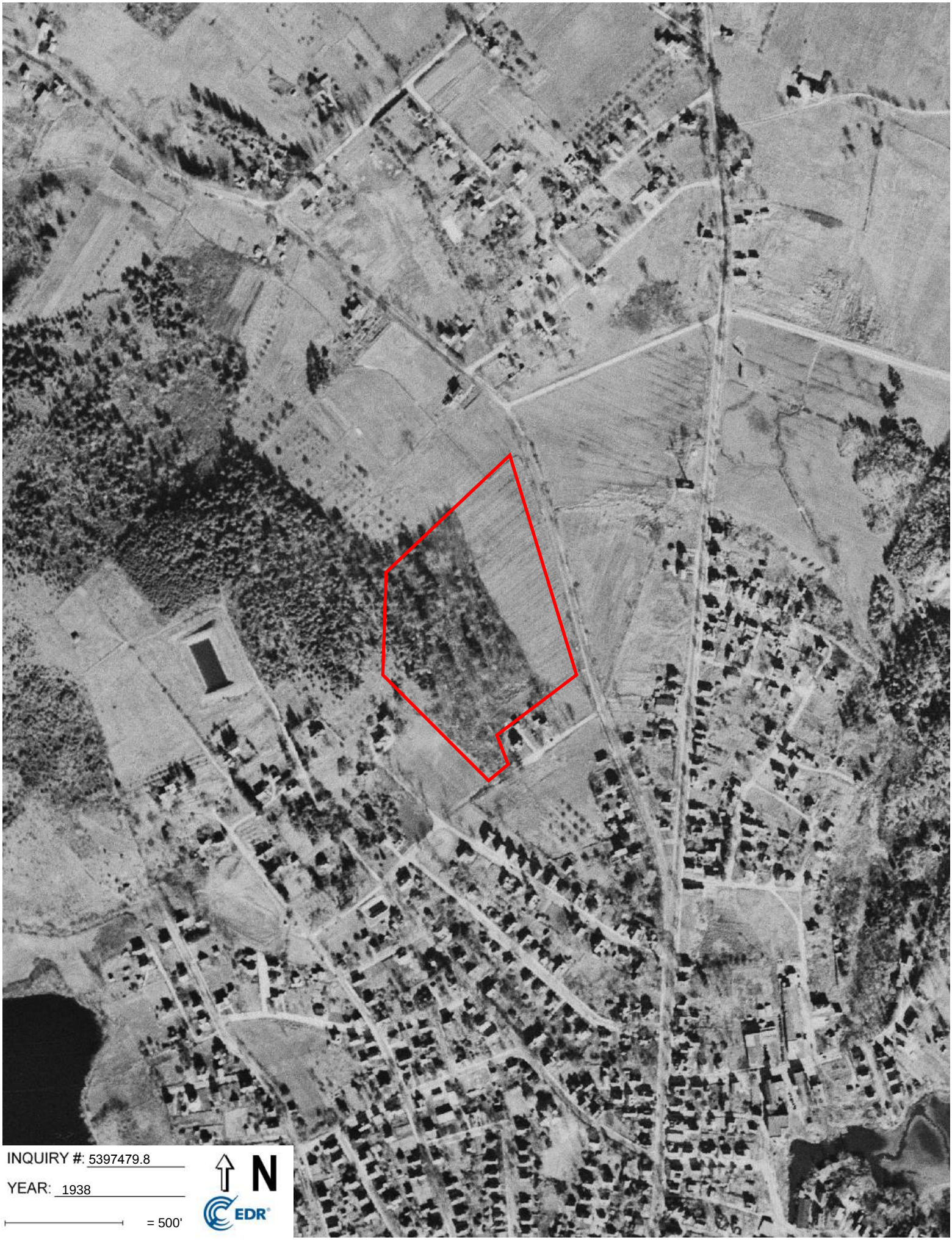
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APPENDIX B

QUALIFICATIONS/LIMITATIONS

QUALIFICATIONS/LIMITATIONS

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

Factual information regarding on-site business operations, conditions, and historical data provided to *ECMS* is assumed to be correct and complete. *ECMS* assumes no responsibility for hidden or latent conditions or misrepresentation by the property owner, its representatives, public information officials or any authority consulted in connection with the compilation of this report.

The findings set forth in the attached Site assessment report are strictly limited in time and scope to the date of the evaluation(s). The conclusions presented in the Report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed upon services or the time and budgeting restraints imposed by the client.

The purpose of this report was to assess the physical characteristics of the subject Site with respect to the presence in the environment of hazardous material or oil. No specific attempt was made to check on the compliance of present or past owners or operators or of the Site with Federal, State or local laws and regulations, environmental, or otherwise.

Partial findings of this investigation are based on data provided by others. No warranty is expressed or implied with the usage of such data. Much of the information provided in this report is based upon personal interviews and research of all available documents, records and maps held by the appropriate government and private agencies. This is subject to the limitations of historical documentation, availability and accuracy of pertinent records, and the personal recollection of those persons contacted by *ECMS* personnel. *ECMS* is not a professional title insurance firm and makes no guarantee, explicit or implied that the listing, which was reviewed, represented a comprehensive delineation of past Site ownership or tenancy for legal purposes.

Observations were made of the Site and of structures on the Site as indicated within the Report. Where access to portions of the Site or to structures on the Site was unavailable or limited, *ECMS* is unable to render an opinion as to the presence of hazardous material or oil, or to the presence if indirect evidence relating to hazardous material or oil, in that portion of the Site or structure. In addition, *ECMS* renders no opinion as to the presence of hazardous material or oil, where direct observation of the interior walls, floor, or ceiling of a structure on a Site was obstructed by objects or coverings on or over these surfaces.

The initial site investigation took into account the natural and man-made features of the Site, including any unusual or suspect phenomenon. These factors combined with the Site's geology, hydrology, topography, and past and present land uses served as a basis for choosing a methodology and location for subsurface exploration as well as ground water and subsurface sampling, if done. The subsurface data, if provided, is meant as a representative overview of the Site.

The conclusions and recommendations contained in this report may be based in part upon various types of chemical data and are contingent upon their validity. As indicated within the Report, some

of these data are preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. It should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional data or variations of current data become available in the future, these data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.

Chemical analyses may have been performed for specific parameters during the course of this Site assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study might be present in soil and/or ground water at the Site.

APPENDIX C

RESUMES OF COMPETENT ENVIRONMENTAL PROFESSIONAL

KEVIN J. KAVANAUGH, L.S.P., CHMM

Principal Environmental Engineer

Kevin has over 33 years of engineering/hydrogeological consulting, environmental site assessment and site remediation experience. In addition to his fiscal and marketing duties as a Principal Environmental Engineer and Chief Executive Officer (CEO) at *Environmental & Construction Management Services, Inc.* (*ECMS*), he oversees the environmental staff, coordinates business and professional development of staff, provides technical QA/QC, and offers specialized corporate technical support in accordance with state and federal regulatory agencies.

Prior to co-founding *ECMS*, Kevin was the National Accounts Director for Hygienetics Environmental Services, Inc. (Hygienetics) in Boston, Massachusetts. As the National Account Director he managed the nationwide environmental due diligence and consulting services for Hygienetics National Accounts including GE Capital Real Estate, Archon Group LP, Finova Realty Capital, American General Realty Advisors, Metropolitan Life Insurance and State Teachers Retirement System of Ohio for all of Hygienetics 14 Offices throughout the Continental United States.

Kevin is a Massachusetts Licensed Site Professional (LSP) since May 1994 and Certified Hazardous Materials Manager (CHMM) since 1998 with extensive experience with preparation and submission of every aspect of the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 including; Phase I through Phase V reports, Downgradient Property Status (DPS), Activity and Use Limitations (AULs), Method 1 and 3 Risk Characterizations, Class A, B and C Response Action Outcome (RAO) and Permanent Solutions, Numerical Site Ranking, Immediate Response Action (IRA) Plans and Release Abatement Measure (RAM) Plans, status and completion reports, Tier I Permit Applications, Major Permit Modifications and vapor intrusion assessments. He also provided LSP technical report review and provided cost estimates for various lending institutions, insurance companies, law offices and other property acquisition/development corporations. In addition to his extensive experience in Massachusetts, he has personally performed either environmental site assessments and/or site remediation in New Hampshire, Georgia, Rhode Island, New Jersey, Texas, Kansas, California, Florida, Michigan and Pennsylvania.

Prior to joining Hygienetics in 1996, Kevin worked as a Site Operation's Manager/Senior Environmental Engineer responsible for all technical and business activities for a 13-person branch office for Groundwater & Environmental Services, Inc. (a full-service environmental consulting/remediation firm).

Some of his accomplishments include:

Technical Specialties:

Phase I and II Environmental Site Assessments

Soil and Groundwater Investigations

Risk-Based Closure Assessments

UST Management/Closure

Soil and Groundwater Remediation

Education:

B.S., Civil Engineering, University of Maine at Orono, 1985

Certifications:

Massachusetts Licensed Site Professional (LSP) License No. 7610

Certified Hazardous Materials Manager (CHMM) License No. 9287

OSHA Standard 29 CFR 1920 and SARA Section 126(d) (HAZWOPER)

Professional Affiliations:

Massachusetts Licensed Site Professionals Association (LSPA)

KEVIN J. KAVANAUGH, L.S.P., CHMM

Principal Environmental Engineer

- National Account Director as the primary contact for the Hygienetics National Account's Program. A partial client list includes: GE Capital Real Estate, Archon Group LP, Finova Realty Capital, American General Realty Advisors, Storage USA, Metropolitan Life Insurance and State Teachers Retirement System of Ohio.

- Performed and/or supervised the performance of over 1,200 due diligence environmental assessment reports throughout the country. A partial list of local and nationwide client includes: Princeton Properties Management, Jones Lang LaSalle, John Hancock, Trammell Crow Company, Starwood Lodging, Equitable Real Estate, Northwestern Mutual Life Insurance, Insignia/ESG, Cornerstone Properties, Equity Office Properties, Prudential Real Estate and Marriott/Claris Corporation.

- Supervised a technical staff of 13 and was New England Regional Account Manager for a $1 million/year major oil corporation client.

- Designed or redesigned and directed the installation of over 50 remedial treatment systems including dual phase extraction (high vacuum extraction), soil vacuum extraction, air sparging and product/ groundwater recovery and treatment.

- Developed New England regional LSP risk-based closure program for existing client base.

- Performed all phases of environmental project development and management including: groundwater modeling, hydrogeologic studies, physical and chemical interpretation of field data, preparation and review of initial and complex site assessments, and remedial action reports in accordance with MGL21E, MCP, RCRA and other regulations.

- Performed other technical activities including a variety of pilot tests (aquifer, hydraulic conductivity, vacuum extraction and air sparging), the preparing of Wetlands Notice of Intents, air and groundwater discharge permitting and supervision of UST removals/closures.

- Directed the operation and maintenance of over 125 active soil and groundwater organic contamination recovery and treatment systems. Remedial treatment systems included soil vacuum extraction, air sparging, UV peroxidation, hydrogen peroxide Injection and product/groundwater recovery and treatment.

- Completed over 300 MCP Method 1, Method 2 and Method 3 Risk Characterizations and Class A, B and C Response Action Outcomes (RAOs)/Permanent Solutions (regulatory site closures).

- Managed and completed a 40 property real estate due diligence Phase I ESA nationwide portfolio for a large National Account Real Estate Client in an expedited timeframe.

Technical Specialties:

Phase I and II Environmental Site Assessments

Soil and Groundwater Investigations

Risk-Based Closure Assessments

UST Management/Closure

Soil and Groundwater Remediation

Education:

B.S., Civil Engineering, University of Maine at Orono, 1985

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OSHA Standard 29 CFR 1920 and SARA Section 126(d) (HAZWOPER)

Professional Affiliations:

Massachusetts Licensed Site Professionals Association (LSPA)

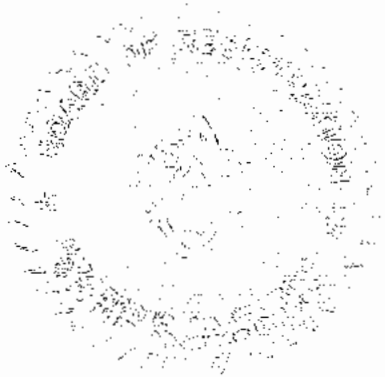
The Commonwealth of Massachusetts

BOARD OF REGISTRATION OF HAZARDOUS WASTE SITE CLEANUP PROFESSIONALS

This is to Certify That

Kevin J. Kavanaugh

has been duly registered by this Board as a qualified Licensed Site Professional as provided by the laws of the Commonwealth.



Boston, Massachusetts **August 18, 2017**

Chairperson of the Board

7610 *License Number*

July 30, 2020 *Expiration Date*

APPENDIX D

ENVIRONMENTAL DATA RESOURCES, INC. (EDR) DATABASE REPORT

Amesbury Elementary School
20 S Hampton Rd
Amesbury, MA 01913

Inquiry Number: 5397479.2s
August 17, 2018

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

20 S HAMPTON RD
AMESBURY, MA 01913

COORDINATES

Latitude (North):	42.8660360 - 42° 51' 57.72''
Longitude (West):	70.9320770 - 70° 55' 55.47''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	342171.2
UTM Y (Meters):	4747534.5
Elevation:	76 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5644860 NEWBURYPORT WEST, MA
Version Date:	2012
North Map:	5652994 EXETER, NH
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140712
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
20 S HAMPTON RD
AMESBURY, MA 01913

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	FRASER PONTIAC GMC I	130 MARKET ST	MA LUST, MA UST, MA INST CONTROL, MA RELEASE, MA...	Lower	377, 0.071, ESE
A2	FRASER PONTIAC-GMC I	130 MARKET ST	EDR Hist Auto	Lower	377, 0.071, ESE
A3	NO LOCATION AID	120 MARKET ST	MA LAST, MA RELEASE	Lower	468, 0.089, SE
B4	LAKE FABRICATION	63 CLINTON ST	MA HW GEN	Lower	543, 0.103, NNE
B5	R&G MFG CO INC	63 CLINTON ST.	RCRA-CESQG, MA UST, FINDS, ECHO, MA Financial...	Lower	543, 0.103, NNE
6	2 SOUTH HAMPTON ROAD	2 SOUTH HAMPTON ROAD	MA SHWS, MA RELEASE	Higher	562, 0.106, SSE
C7	NO LOCATION AID	4-6 FERN AVE	MA SHWS, MA RELEASE	Higher	1336, 0.253, NNW
8	HENSCHEL CORP.	14 CEDAR ST.	SEMS-ARCHIVE, MA SHWS, MA RELEASE, MA ASBESTOS, MA...	Lower	1370, 0.259, SE
C9	PROPERTY	6 FERN AVE	MA SHWS, MA LAST, MA RELEASE, MA ENF	Higher	1387, 0.263, NNW
10	MERRIMAC HAT CO	17 CEDAR ST	MA SHWS, MA RELEASE, MA HW GEN	Lower	1552, 0.294, SSE
11	NO LOCATION AID	65 MARKET ST	MA LAST, MA RELEASE	Lower	1651, 0.313, SSE
12	PAD-MOUNTED ELECTRIC	149 WHITTIER MEADOWS	MA SHWS, MA RELEASE	Higher	1880, 0.356, NNW
13	TRADER ALLEN TRUCK S	RTE 150 EXETER RD	MA SHWS, MA RELEASE	Lower	1939, 0.367, SSE
14	NO LOCATION AID	28 FERN AVE	MA LUST, MA RELEASE	Higher	2037, 0.386, North
15	NO LOCATION AID	36 HIGH ST	MA SHWS, MA LUST, MA RELEASE, MA ENF	Higher	2139, 0.405, South
D16	SHORTS EXPRESS	77 ELM ST	MA SHWS, MA LUST, MA RELEASE, MA ASBESTOS	Lower	2234, 0.423, SSE
D17	ATLANTIC TRANSMISSIO	72 ELM STREET	US BROWNFIELDS, FINDS	Lower	2364, 0.448, SSE
E18	A L PRIME ENERGY 140	63 ELM ST	MA LUST, MA UST, MA RELEASE, MA Financial...	Lower	2367, 0.448, SSE
D19	NA NICHOLS CO NR CHE	RAILROAD AVE	MA SHWS, MA RELEASE	Lower	2386, 0.452, SSE
F20	MILL YARD SITE	MAIN ST HIGH ST	MA SHWS, MA RELEASE	Lower	2393, 0.453, South
E21	GONTHIER'S SERVICE S	60 ELM ST	MA SHWS, MA UST, MA RELEASE, MA Financial...	Lower	2461, 0.466, SSE
G22	FMR TRADER ALLENS TR	21 POND VIEW AVE	MA SHWS, MA LUST, MA RELEASE, MA ENF	Higher	2502, 0.474, South
G23	FORMER TRADER ALAN'S	21 POND VIEW AVENUE	US BROWNFIELDS, FINDS	Higher	2502, 0.474, South
24	NO LOCATION AID	91 HIGH ST	MA SHWS, MA RELEASE, MA HW GEN	Higher	2560, 0.485, SSW
G25	NO LOCATION AID	19 POND ST	MA SHWS, MA INST CONTROL, MA RELEASE	Higher	2599, 0.492, South
F26	NO LOCATION AID	5-29 WATER STREET	MA SHWS, MA LUST, MA RELEASE	Lower	2602, 0.493, SSE
27	NO LOCATION AID	36 MAIN ST	MA SHWS, MA INST CONTROL, MA RELEASE	Lower	2609, 0.494, South
H28	PROPOSED AMESBURY TR	68 ELM ST AND 18 WAT	MA SHWS, MA INST CONTROL, MA RELEASE, MA ASBESTOS	Lower	2622, 0.497, SSE
I29	37 FRIEND STREET REA	37 FRIEND ST	MA SHWS, MA RELEASE, MA ENF	Higher	2697, 0.511, South
H30	NEAR CHESTNUT ST	RAILROAD AVE	MA SHWS, MA RELEASE	Lower	2722, 0.516, SSE
H31	NA NICHOLS MONITORIN	RAILROAD AVE	MA SHWS, MA RELEASE	Lower	2722, 0.516, SSE
32	RESIDENCE	1 STACEY LANE	MA SHWS, MA LAST, MA RELEASE	Higher	2817, 0.534, NE
I33	TEDS TEXACO FMR	46-50 52-54 FRIEND S	MA SHWS, MA RELEASE	Higher	2818, 0.534, South
J34	PARKING LOT	16 WATER STREET	MA SHWS, MA RELEASE, MA ENF	Lower	2937, 0.556, SSE
35	NEAR MELROSE ST	47 CONGRESS ST	MA SHWS, MA INST CONTROL, MA RELEASE	Lower	3027, 0.573, ESE
K36	NO LOCATION AID	33 MILL STREET	MA SHWS, MA BROWNFIELDS, MA RELEASE, MA ENF	Lower	3066, 0.581, South
K37	ABUTTING SUBSTATION	MILL ST	MA SHWS, MA INST CONTROL, MA RELEASE	Lower	3149, 0.596, South
J38	TOWN OF AMESBURY	27 WATER ST	MA SHWS, MA LUST, MA BROWNFIELDS, MA RELEASE	Lower	3159, 0.598, SSE
J39	NO LOCATION AID	27-31 WATER STREET	MA SHWS, MA LUST, MA RELEASE	Lower	3159, 0.598, SSE

MAPPED SITES SUMMARY

Target Property Address:
20 S HAMPTON RD
AMESBURY, MA 01913

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
L40	NO LOCATION AID	22 WATER STREET	MA SHWS, MA BROWNFIELDS, MA RELEASE	Lower	3170, 0.600, SSE
L41	GERMAN AUTOSPORT	18 CHESTNUT ST	MA SHWS, MA INST CONTROL, MA RELEASE, MA HW GEN	Lower	3170, 0.600, SSE
42	25 WATER	25 WATER STREET	MA SHWS, MA BROWNFIELDS, MA RELEASE	Lower	3186, 0.603, SSE
M43	CUMBERLAND FARMS #20	132 ELM ST	MA SHWS, MA LUST, MA UST, MA RELEASE, MA ASBESTOS	Lower	3229, 0.612, SE
L44	NO LOCATION AID	31 WATER STREET	MA SHWS, MA LUST, MA BROWNFIELDS, MA RELEASE, MA	Lower	3255, 0.616, SSE
45	DURASOL CORPORATION	1 OAKLAND ST	MA SHWS, MA RELEASE, MA AIRS, MA ENF	Lower	3261, 0.618, SSE
46	REID S FOUNDRY	MILL STREET EXT	MA SHWS, MA RELEASE	Lower	3294, 0.624, South
L47	KEYSPAN PROPERTY MAP	WATER ST	MA SHWS, MA RELEASE	Lower	3353, 0.635, SSE
N48	FLOSMAN, JOSEPH	8-10 SCHOOL ST	MA SHWS, MA RELEASE, MA ENF	Higher	3358, 0.636, South
O49	PROPERTY	99 FRIEND STREET	MA SHWS, MA RELEASE	Higher	3369, 0.638, SSW
N50	SPACE AGE CLEANERS	6 SCHOOL ST	MA SHWS, MA RELEASE, MA ASBESTOS, MA ENF	Higher	3385, 0.641, South
M51	TEKE FURNITURE RESTO	6 MORRILL STREET	MA SHWS, MA INST CONTROL, MA RELEASE	Lower	3386, 0.641, SE
52	AMESBURY AND SALISBU	COUNTY ROAD	EDR MGP	Lower	3399, 0.644, SSE
O53	MICHAUDS GARAGE	96-98 FRIEND STREET	MA SHWS, MA RELEASE	Higher	3416, 0.647, SSW
N54	GOODWIN CREEK MARINA	14 PLEASANT STREET	MA SHWS, MA LUST, MA RELEASE	Higher	3505, 0.664, South
55	NO LOCATION AID	35 WATER ST	MA SHWS, MA INST CONTROL, MA RELEASE, MA ASBESTOS	Lower	3547, 0.672, SSE
56	CADO FABRICATIONS IN	144 ELM ST	MA SHWS, MA RELEASE, RCRA NonGen / NLR, MA AIRS	Lower	3641, 0.690, SE
P57	FORMER AMESBURY META	33-39 OAKLAND ST	MA SHWS	Lower	3982, 0.754, SSE
P58	AT MARSTON ST	33-39 OAKLAND ST	MA SHWS, MA INST CONTROL, MA RELEASE	Lower	3982, 0.754, SSE
59	POLE NUMBER 138	118 CONGRESS ST	MA SHWS, MA RELEASE	Lower	4075, 0.772, East
60	BATTIS FARM	82-86 SOUTH HAMPTON	MA SHWS, MA RELEASE	Higher	4164, 0.789, NW
61	AT 12 GREENLEAF ST (	12 GREENLEAF STREET	MA SHWS	Higher	4352, 0.824, SSW
62	PROPERTY	194 MAIN ST	MA SHWS, MA RELEASE, MA ASBESTOS	Lower	4536, 0.859, South
63	NO LOCATION AID	24 OAK ST	MA SHWS, MA RELEASE, MA ASBESTOS	Lower	4651, 0.881, SSE
64	ALLIED COMPUTER BROK	23 NOEL ST	MA SHWS, MA RELEASE, RCRA NonGen / NLR	Lower	4882, 0.925, South

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent CERCLIS

NH SHWS Listing of All Sites

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

MA SWF/LF Solid Waste Facility Database/Transfer Stations
NH SWF/LF Solid Waste Facility Information

State and tribal leaking storage tank lists

NH LAST Listing of All Sites
NH LUST Listing of All Sites
INDIAN LUST Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST Underground Storage Tank Listing
NH UST Underground Storage Tank Registration Data
MA AST Aboveground Storage Tank Database
NH AST Registered Aboveground Petroleum Storage Tank Database
INDIAN UST Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

NH INST CONTROL Activity and Use Restrictions

State and tribal voluntary cleanup sites

INDIAN VCP Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NH BROWNFIELDS Brownfields Sites

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 Torres Martinez Reservation Illegal Dump Site Locations
ODI Open Dump Inventory
IHS OPEN DUMPS Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL Delisted National Clandestine Laboratory Register
US CDL National Clandestine Laboratory Register

Local Land Records

MA LIENS Liens Information Listing
NH LIENS Environmental Liens Information Listing

LIENS 2 ---------- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
NH SPILLS ---------- Listing of All Sites
MA SPILLS 90 ---------- SPILLS 90 data from FirstSearch
NH SPILLS 90 ---------- SPILLS 90 data from FirstSearch
MA SPILLS 80 ---------- SPILLS 80 data from FirstSearch

Other Ascertainable Records

FUDS ---------- Formerly Used Defense Sites
DOD ---------- Department of Defense Sites
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---------- Financial Assurance Information
EPA WATCH LIST ---------- EPA WATCH LIST
2020 COR ACTION ---------- 2020 Corrective Action Program List
TSCA ---------- Toxic Substances Control Act
TRIS ---------- Toxic Chemical Release Inventory System
SSTS ---------- Section 7 Tracking Systems
ROD ---------- Records Of Decision
RMP ---------- Risk Management Plans
RAATS ---------- RCRA Administrative Action Tracking System
PRP ---------- Potentially Responsible Parties
PADS ---------- PCB Activity Database System
ICIS ---------- Integrated Compliance Information System
FTTS ---------- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---------- Material Licensing Tracking System
COAL ASH DOE ---------- Steam-Electric Plant Operation Data
COAL ASH EPA ---------- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---------- PCB Transformer Registration Database
RADINFO ---------- Radiation Information Database
HIST FTTS ---------- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---------- Incident and Accident Data
CONSENT ---------- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---------- Indian Reservations
FUSRAP ---------- Formerly Utilized Sites Remedial Action Program
UMTRA ---------- Uranium Mill Tailings Sites
LEAD SMELTERS ---------- Lead Smelter Sites
US AIRS ---------- Aerometric Information Retrieval System Facility Subsystem
US MINES ---------- Mines Master Index File
ABANDONED MINES ---------- Abandoned Mines
DOCKET HWC ---------- Hazardous Waste Compliance Docket Listing
UXO ---------- Unexploded Ordnance Sites
FUELS PROGRAM ---------- EPA Fuels Program Registered Listing
NH AIRS ---------- Permitted Airs Facility Listing
NH ASBESTOS ---------- ASBESTOS
MA DRYCLEANERS ---------- Regulated Drycleaning Facilities
NH DRYCLEANERS ---------- Listing of Drycleaners
NH Financial Assurance ---------- Financial Assurance Information Listing
MA GWDP ---------- Ground Water Discharge Permits
MA MERCURY ---------- Mercury Product Recyling Drop-Off Locations Listing
MA NPDES ---------- NPDES Permit Listing

EXECUTIVE SUMMARY

NH NPDES ---------- NPDES Permit Listing
MA TIER 2 ---------- Tier 2 Information Listing
MA TSD ---------- TSD Facility

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Cleaner ---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 05/18/2018 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HENSCHEL CORP.	*14 CEDAR ST.*	*SE 1/4 - 1/2 (0.259 mi.)*	*8*	*36*

Federal RCRA generators list

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

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/01/2018 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
R&G MFG CO INC	*63 CLINTON ST.*	*NNE 0 - 1/8 (0.103 mi.)*	*B5*	*23*

State- and tribal - equivalent CERCLIS

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

A review of the MA SHWS list, as provided by EDR, and dated 04/18/2018 has revealed that there are 53 MA SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
2 SOUTH HAMPTON ROAD	*2 SOUTH HAMPTON ROAD*	*SSE 0 - 1/8 (0.106 mi.)*	*6*	*29*
Release Tracking Number / Current Status: 3-0033773 / PSNC				
NO LOCATION AID	*4-6 FERN AVE*	*NNW 1/4 - 1/2 (0.253 mi.)*	*C7*	*34*
Release Tracking Number / Current Status: 3-0025324 / RAONR				
PROPERTY	*6 FERN AVE*	*NNW 1/4 - 1/2 (0.263 mi.)*	*C9*	*56*
Release Tracking Number / Current Status: 3-0023733 / RAO				
PAD-MOUNTED ELECTRIC	*149 WHITTIER MEADOWS*	*NNW 1/4 - 1/2 (0.356 mi.)*	*12*	*81*
Release Tracking Number / Current Status: 3-0033406 / PSNC				
NO LOCATION AID	*36 HIGH ST*	*S 1/4 - 1/2 (0.405 mi.)*	*15*	*88*
Release Tracking Number / Current Status: 3-0021511 / RAO				
FMR TRADER ALLENS TR	*21 POND VIEW AVE*	*S 1/4 - 1/2 (0.474 mi.)*	*G22*	*123*
Release Tracking Number / Current Status: 3-0025880 / TIERII				
Release Tracking Number / Current Status: 3-0025667 / TIERII				
Release Tracking Number / Current Status: 3-0030391 / RAO				
NO LOCATION AID	*91 HIGH ST*	*SSW 1/4 - 1/2 (0.485 mi.)*	*24*	*149*
Release Tracking Number / Current Status: 3-0020490 / RAO				
NO LOCATION AID	*19 POND ST*	*S 1/4 - 1/2 (0.492 mi.)*	*G25*	*152*
Release Tracking Number / Current Status: 3-0022389 / RAO				
Release Tracking Number / Current Status: 3-0020783 / RAO				
37 FRIEND STREET REA	*37 FRIEND ST*	*S 1/2 - 1 (0.511 mi.)*	*I29*	*186*

Release Tracking Number / Current Status: 3-0002855 / RAO				
RESIDENCE	***1 STACEY LANE***	***NE 1/2 - 1 (0.534 mi.)***	***32***	***194***
Release Tracking Number / Current Status: 3-0030205 / RAO				
TEDS TEXACO FMR	***46-50 52-54 FRIEND S***	***S 1/2 - 1 (0.534 mi.)***	***I33***	***202***
Release Tracking Number / Current Status: 3-0001792 / RAO				
FLOSMAN, JOSEPH	***8-10 SCHOOL ST***	***S 1/2 - 1 (0.636 mi.)***	***N48***	***336***
Release Tracking Number / Current Status: 3-0026999 / TIER1D				
PROPERTY	***99 FRIEND STREET***	***SSW 1/2 - 1 (0.638 mi.)***	***O49***	***355***
Release Tracking Number / Current Status: 3-0031813 / PSNC				
SPACE AGE CLEANERS	***6 SCHOOL ST***	***S 1/2 - 1 (0.641 mi.)***	***N50***	***360***
Release Tracking Number / Current Status: 3-0026060 / TIERII				
MICHAUDS GARAGE	***96-98 FRIEND STREET***	***SSW 1/2 - 1 (0.647 mi.)***	***O53***	***377***
Release Tracking Number / Current Status: 3-0031607 / RAO				
GOODWIN CREEK MARINA	***14 PLEASANT STREET***	***S 1/2 - 1 (0.664 mi.)***	***N54***	***380***
Release Tracking Number / Current Status: 3-0033647 / PSNC				
BATTIS FARM	***82-86 SOUTH HAMPTON***	***NW 1/2 - 1 (0.789 mi.)***	***60***	***442***
Release Tracking Number / Current Status: 3-0034293 / PSNC				
AT 12 GREENLEAF ST (	12 GREENLEAF STREET	SSW 1/2 - 1 (0.824 mi.)	61	447
Release Tracking Number / Current Status: 3-0034813 / UNCLSS				

Lower Elevation	Address	Direction / Distance	Map ID	Page
HENSCHEL CORP.	***14 CEDAR ST.***	***SE 1/4 - 1/2 (0.259 mi.)***	***8***	***36***
Release Tracking Number / Current Status: 3-0000203 / RAO				
MERRIMAC HAT CO	***17 CEDAR ST***	***SSE 1/4 - 1/2 (0.294 mi.)***	***10***	***74***
Release Tracking Number / Current Status: 3-0000622 / RAO				
TRADER ALLEN TRUCK S	***RTE 150 EXETER RD***	***SSE 1/4 - 1/2 (0.367 mi.)***	***13***	***84***
Release Tracking Number / Current Status: 3-0001604 / RAO				
SHORTS EXPRESS	***77 ELM ST***	***SSE 1/4 - 1/2 (0.423 mi.)***	***D16***	***98***
Release Tracking Number / Current Status: 3-0033215 / TIERII				
NA NICHOLS CO NR CHE	***RAILROAD AVE***	***SSE 1/4 - 1/2 (0.452 mi.)***	***D19***	***111***
Release Tracking Number / Current Status: 3-0015704 / RAO				
MILL YARD SITE	***MAIN ST HIGH ST***	***S 1/4 - 1/2 (0.453 mi.)***	***F20***	***116***
Release Tracking Number / Current Status: 3-0000200 / DEPNFA				
GONTHIER'S SERVICE S	***60 ELM ST***	***SSE 1/4 - 1/2 (0.466 mi.)***	***E21***	***117***
Release Tracking Number / Current Status: 3-0002092 / DEPNFA				
NO LOCATION AID	***5-29 WATER STREET***	***SSE 1/4 - 1/2 (0.493 mi.)***	***F26***	***158***
Release Tracking Number / Current Status: 3-0032310 / URAM				
NO LOCATION AID	***36 MAIN ST***	***S 1/4 - 1/2 (0.494 mi.)***	***27***	***166***
Release Tracking Number / Current Status: 3-0013943 / RAO				
PROPOSED AMESBURY TR	***68 ELM ST AND 18 WAT***	***SSE 1/4 - 1/2 (0.497 mi.)***	***H28***	***171***
Release Tracking Number / Current Status: 3-0029372 / RAO				
NEAR CHESTNUT ST	***RAILROAD AVE***	***SSE 1/2 - 1 (0.516 mi.)***	***H30***	***188***
Release Tracking Number / Current Status: 3-0017600 / RAONR				
NA NICHOLS MONITORIN	***RAILROAD AVE***	***SSE 1/2 - 1 (0.516 mi.)***	***H31***	***190***
Release Tracking Number / Current Status: 3-0016882 / RAONR				
PARKING LOT	***16 WATER STREET***	***SSE 1/2 - 1 (0.556 mi.)***	***J34***	***204***

Release Tracking Number / Current Status: 3-0032568 / TIER1D				
NEAR MELROSE ST	***47 CONGRESS ST***	***ESE 1/2 - 1 (0.573 mi.)***	***35***	***207***
Release Tracking Number / Current Status: 3-0012469 / RAO				
NO LOCATION AID	***33 MILL STREET***	***S 1/2 - 1 (0.581 mi.)***	***K36***	***214***
Release Tracking Number / Current Status: 3-0029912 / TIERII				
Release Tracking Number / Current Status: 3-0030292 / RAONR				
ABUTTING SUBSTATION	***MILL ST***	***S 1/2 - 1 (0.596 mi.)***	***K37***	***228***
Release Tracking Number / Current Status: 3-0014817 / RAO				
TOWN OF AMESBURY	***27 WATER ST***	***SSE 1/2 - 1 (0.598 mi.)***	***J38***	***233***
Release Tracking Number / Current Status: 3-0016715 / RAO				
NO LOCATION AID	***27-31 WATER STREET***	***SSE 1/2 - 1 (0.598 mi.)***	***J39***	***241***
Release Tracking Number / Current Status: 3-0032608 / URAM				
NO LOCATION AID	***22 WATER STREET***	***SSE 1/2 - 1 (0.600 mi.)***	***L40***	***251***
Release Tracking Number / Current Status: 3-0032071 / TIERII				
GERMAN AUTOSPORT	***18 CHESTNUT ST***	***SSE 1/2 - 1 (0.600 mi.)***	***L41***	***255***
Release Tracking Number / Current Status: 3-0034164 / PSC				
25 WATER	***25 WATER STREET***	***SSE 1/2 - 1 (0.603 mi.)***	***42***	***258***
Release Tracking Number / Current Status: 3-0031886 / PSC				
CUMBERLAND FARMS #20	***132 ELM ST***	***SE 1/2 - 1 (0.612 mi.)***	***M43***	***263***
Release Tracking Number / Current Status: 3-0032758 / PSNC				
NO LOCATION AID	***31 WATER STREET***	***SSE 1/2 - 1 (0.616 mi.)***	***L44***	***273***
Release Tracking Number / Current Status: 3-0032606 / PSNC				
Release Tracking Number / Current Status: 3-0019634 / RAO				
Release Tracking Number / Current Status: 3-0031842 / PSC				
DURASOL CORPORATION	***1 OAKLAND ST***	***SSE 1/2 - 1 (0.618 mi.)***	***45***	***291***
Release Tracking Number / Current Status: 3-0029565 / RAO				
Release Tracking Number / Current Status: 3-0028751 / RAO				
REID S FOUNDRY	***MILL STREET EXT***	***S 1/2 - 1 (0.624 mi.)***	***46***	***312***
Release Tracking Number / Current Status: 3-0000513 / DEPNFA				
KEYSPAN PROPERTY MAP	***WATER ST***	***SSE 1/2 - 1 (0.635 mi.)***	***L47***	***313***
Release Tracking Number / Current Status: 3-0024070 / TIERII				
TEKE FURNITURE RESTO	***6 MORRILL STREET***	***SE 1/2 - 1 (0.641 mi.)***	***M51***	***374***
Release Tracking Number / Current Status: 3-0034070 / PSC				
NO LOCATION AID	***35 WATER ST***	***SSE 1/2 - 1 (0.672 mi.)***	***55***	***385***
Release Tracking Number / Current Status: 3-0004108 / RAO				
Release Tracking Number / Current Status: 3-0020198 / RAONR				
CADO FABRICATIONS IN	***144 ELM ST***	***SE 1/2 - 1 (0.690 mi.)***	***56***	***411***
Release Tracking Number / Current Status: 3-0017557 / RAO				
Release Tracking Number / Current Status: 3-0031852 / RAO				
Release Tracking Number / Current Status: 3-0004855 / RAO				
FORMER AMESBURY META	33-39 OAKLAND ST	SSE 1/2 - 1 (0.754 mi.)	P57	427
Release Tracking Number / Current Status: 3-0034747 / UNCLSS				
AT MARSTON ST	***33-39 OAKLAND ST***	***SSE 1/2 - 1 (0.754 mi.)***	***P58***	***431***
Release Tracking Number / Current Status: 3-0013096 / RAO				
POLE NUMBER 138	***118 CONGRESS ST***	***E 1/2 - 1 (0.772 mi.)***	***59***	***440***
Release Tracking Number / Current Status: 3-0025916 / RAO				
PROPERTY	***194 MAIN ST***	***S 1/2 - 1 (0.859 mi.)***	***62***	***447***

Release Tracking Number / Current Status: 3-0002068 / RAO

NO LOCATION AID	***24 OAK ST***	***SSE 1/2 - 1 (0.881 mi.)***	***63***	***450***
Release Tracking Number / Current Status: 3-0023167 / RAO				
ALLIED COMPUTER BROK	***23 NOEL ST***	***S 1/2 - 1 (0.925 mi.)***	***64***	***454***
Release Tracking Number / Current Status: 3-0000205 / DEPNDS				
Release Tracking Number / Current Status: 3-0012793 / RAO				

State and tribal leaking storage tank lists

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

A review of the MA LUST list, as provided by EDR, and dated 04/18/2018 has revealed that there are 7 MA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NO LOCATION AID	***28 FERN AVE***	***N 1/4 - 1/2 (0.386 mi.)***	***14***	***86***
Release Tracking Number / Current Status: 3-0022922 / RAO				
NO LOCATION AID	***36 HIGH ST***	***S 1/4 - 1/2 (0.405 mi.)***	***15***	***88***
Release Tracking Number / Current Status: 3-0023731 / RAO				
FMR TRADER ALLENS TR	***21 POND VIEW AVE***	***S 1/4 - 1/2 (0.474 mi.)***	***G22***	***123***
Release Tracking Number / Current Status: 3-0025885 / TIERII				
Release Tracking Number / Current Status: 3-0025880 / TIERII				

Lower Elevation	Address	Direction / Distance	Map ID	Page
FRASER PONTIAC GMC I	***130 MARKET ST***	***ESE 0 - 1/8 (0.071 mi.)***	***A1***	***8***
Release Tracking Number / Current Status: 3-0019327 / RAO				
Release Tracking Number / Current Status: 3-0004747 / RAO				
SHORTS EXPRESS	***77 ELM ST***	***SSE 1/4 - 1/2 (0.423 mi.)***	***D16***	***98***
Release Tracking Number / Current Status: 3-0003650 / LSPNFA				
A L PRIME ENERGY 140	***63 ELM ST***	***SSE 1/4 - 1/2 (0.448 mi.)***	***E18***	***105***
Release Tracking Number / Current Status: 3-0002313 / RAO				
NO LOCATION AID	***5-29 WATER STREET***	***SSE 1/4 - 1/2 (0.493 mi.)***	***F26***	***158***
Release Tracking Number / Current Status: 3-0032310 / URAM				

MA LAST: The Leaking Aboveground Storage Tanks database

A review of the MA LAST list, as provided by EDR, and dated 04/18/2018 has revealed that there are 3 MA LAST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PROPERTY	***6 FERN AVE***	***NNW 1/4 - 1/2 (0.263 mi.)***	***C9***	***56***
Release Tracking Number / Current Status: 3-0023733 / RAO				

Lower Elevation	Address	Direction / Distance	Map ID	Page
NO LOCATION AID	***120 MARKET ST***	***SE 0 - 1/8 (0.089 mi.)***	***A3***	***20***

Release Tracking Number / Current Status: 3-0012330 / RAO

NO LOCATION AID	***65 MARKET ST***	***SSE 1/4 - 1/2 (0.313 mi.)***	***11***	***76***

Release Tracking Number / Current Status: 3-0023110 / RAO

State and tribal registered storage tank lists

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

A review of the MA UST list, as provided by EDR, and dated 04/18/2018 has revealed that there are 2 MA UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FRASER PONTIAC GMC I	***130 MARKET ST***	***ESE 0 - 1/8 (0.071 mi.)***	***A1***	***8***
Tank Status: Tank Removed				
Facility Id: 148				
R&G MFG CO INC	***63 CLINTON ST.***	***NNE 0 - 1/8 (0.103 mi.)***	***B5***	***23***
Tank Status: Tank Removed				
Facility Id: 142				

State and tribal institutional control / engineering control registries

MA INST CONTROL: Activity and Use Limitations establish limits and conditions on the future use of contaminated property, and therefore allow cleanups to be tailored to these uses.

A review of the MA INST CONTROL list, as provided by EDR, and dated 04/18/2018 has revealed that there are 4 MA INST CONTROL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NO LOCATION AID	***19 POND ST***	***S 1/4 - 1/2 (0.492 mi.)***	***G25***	***152***
Release Tracking Number: 3-0020783				

Lower Elevation	Address	Direction / Distance	Map ID	Page
FRASER PONTIAC GMC I	***130 MARKET ST***	***ESE 0 - 1/8 (0.071 mi.)***	***A1***	***8***
Release Tracking Number: 3-0019327				
NO LOCATION AID	***36 MAIN ST***	***S 1/4 - 1/2 (0.494 mi.)***	***27***	***166***
Release Tracking Number: 3-0013943				
PROPOSED AMESBURY TR	***68 ELM ST AND 18 WAT***	***SSE 1/4 - 1/2 (0.497 mi.)***	***H28***	***171***
Release Tracking Number: 3-0029372				

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 03/19/2018 has revealed that there are 2 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER TRADER ALAN'S	***21 POND VIEW AVENUE***	***S 1/4 - 1/2 (0.474 mi.)***	***G23***	***144***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
ATLANTIC TRANSMISSIO	***72 ELM STREET***	***SSE 1/4 - 1/2 (0.448 mi.)***	***D17***	***103***

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FRASER PONTIAC GMC I	***130 MARKET ST***	***ESE 0 - 1/8 (0.071 mi.)***	***A1***	***8***

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

A review of the MA HW GEN list, as provided by EDR, and dated 06/04/2018 has revealed that there are 2 MA HW GEN sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LAKE FABRICATION State Generator Status: SQG-MA EPA Id: MV9784623335	63 CLINTON ST	NNE 0 - 1/8 (0.103 mi.)	B4	23
R&G MFG CO INC EPA Id: MAD001047372	***63 CLINTON ST.***	***NNE 0 - 1/8 (0.103 mi.)***	***B5***	***23***

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
AMESBURY AND SALISBU	COUNTY ROAD	SSE 1/2 - 1 (0.644 mi.)	52	377

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

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

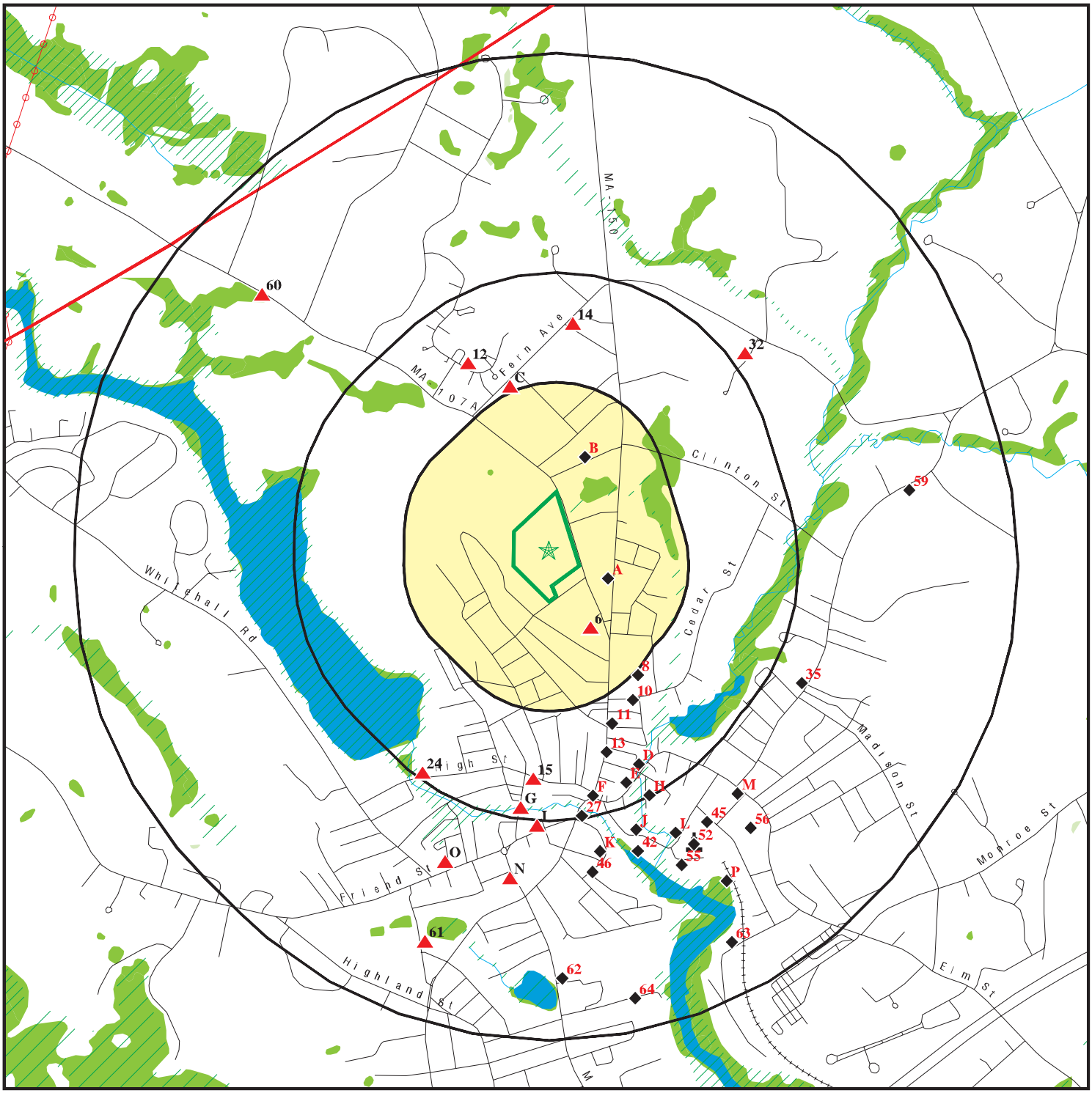
Lower Elevation	Address	Direction / Distance	Map ID	Page
FRASER PONTIAC-GMC I	130 MARKET ST	ESE 0 - 1/8 (0.071 mi.)	A2	20

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
FORMER DURASOL CORPORATION	MA SHWS, MA RELEASE
TOWN PARK	MA SHWS, MA RELEASE
MAIN STREET - EAST OF I-95 OVERPAS	MA SHWS, MA RELEASE
KEYSPAN ENERGY DELIVERY OF NEW ENG	MA SHWS, MA RELEASE, MA ENF
NO LOCATION AID	MA SHWS, MA RELEASE

OVERVIEW MAP - 5397479.2S



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Amesbury Elementary School	CLIENT:	ECMS, Inc.
ADDRESS:	20 S Hampton Rd Amesbury MA 01913	CONTACT:	Kevin Kavanaugh
		INQUIRY #:	5397479.2s
LAT/LONG:	42.866036 / 70.932077	DATE:	August 17, 2018 1:48 pm

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DETAIL MAP - 5397479.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Amesbury Elementary School	CLIENT:	ECMS, Inc.
ADDRESS:	20 S Hampton Rd Amesbury MA 01913	CONTACT:	Kevin Kavanaugh
LAT/LONG:	42.866036 / 70.932077	INQUIRY #:	5397479.2s
		DATE:	August 17, 2018 1:51 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		1	0	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
MA SHWS	1.000		1	0	17	35	NR	53
NH SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
MA SWF/LF	0.500		0	0	0	NR	NR	0
NH SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
MA LUST	0.500		1	0	6	NR	NR	7
MA LAST	0.500		1	0	2	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NH LAST	0.500		0	0	0	NR	NR	0
NH LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
MA UST	0.250		2	0	NR	NR	NR	2
NH UST	0.250		0	0	NR	NR	NR	0
MA AST	0.250		0	0	NR	NR	NR	0
NH AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
MA INST CONTROL	0.500		1	0	3	NR	NR	4
NH INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
MA BROWNFIELDS	0.500		0	0	0	NR	NR	0
NH BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	2	NR	NR	2
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
MA LIENS	TP		NR	NR	NR	NR	NR	0
NH LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
MA SPILLS	TP		NR	NR	NR	NR	NR	0
MA RELEASE	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NH SPILLS	TP		NR	NR	NR	NR	NR	0
MA SPILLS 90	TP		NR	NR	NR	NR	NR	0
NH SPILLS 90	TP		NR	NR	NR	NR	NR	0
MA SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
MA AIRS	TP		NR	NR	NR	NR	NR	0
NH AIRS	TP		NR	NR	NR	NR	NR	0
MA ASBESTOS	TP		NR	NR	NR	NR	NR	0
NH ASBESTOS	TP		NR	NR	NR	NR	NR	0
MA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NH DRYCLEANERS	0.250		0	0	NR	NR	NR	0
MA ENF	TP		NR	NR	NR	NR	NR	0
MA Financial Assurance	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NH Financial Assurance	TP		NR	NR	NR	NR	NR	0
MA GWDP	TP		NR	NR	NR	NR	NR	0
MA HW GEN	0.250		2	0	NR	NR	NR	2
MA MERCURY	0.500		0	0	0	NR	NR	0
MA NPDES	TP		NR	NR	NR	NR	NR	0
NH NPDES	TP		NR	NR	NR	NR	NR	0
MA TIER 2	TP		NR	NR	NR	NR	NR	0
MA TSD	0.500		0	0	0	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	1	NR	1
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
MA RGA HWS	TP		NR	NR	NR	NR	NR	0
NH RGA HWS	TP		NR	NR	NR	NR	NR	0
MA RGA LUST	TP		NR	NR	NR	NR	NR	0
NH RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	11	0	31	36	0	78

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
ESE
< 1/8
0.071 mi.
377 ft.

Relative: Lower

Actual: 65 ft.

FRASER PONTIAC GMC INC
130 MARKET ST
AMESBURY, MA 01913

Site 1 of 3 in cluster A

MA LUST **1000379949**
MA UST **MAD019147362**
MA INST CONTROL
MA RELEASE
MA SPILLS
RCRA NonGen / NLR
FINDS
ECHO
MA Financial Assurance

LUST:

Facility:

Release Tracking Number/Current Status:	3-0019327 / RAO
Status Date:	07/09/2003
Source Type:	UST
Release Town:	AMESBURY
Notification Date:	02/28/2000
Category:	72 HR
Associated ID:	Not reported
Phase:	PHASE II
Response Action Outcome:	A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	UST

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

Chemicals:

Chemical:	FUEL OIL #2
Quantity:	340 parts per million
Chemical:	#2 FUEL OIL
Quantity:	340 parts per million

Actions:

Action Type:	Release Abatement Measure
Action Status:	Completion Statement Received
Action Date:	1/8/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Release Abatement Measure
Action Status:	Written Plan Received
Action Date:	11/18/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	RLFA
Action Status:	FLDD1U
Action Date:	11/2/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

FRASER PONTIAC GMC INC (Continued) **1000379949**

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 11/2/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 11/22/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: IRA Assessment Only
Action Date: 2/28/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/28/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 3/10/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 3/21/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/21/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 3/5/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3

FRASER PONTIAC GMC INC (Continued) **1000379949**

Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 3/5/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/8/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 3/8/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/8/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 6/28/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/28/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 7/8/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/9/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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

FRASER PONTIAC GMC INC (Continued) **1000379949**

Action Date: 7/9/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Facility:
Release Tracking Number/Current Status: 3-0004747 / RAO
Status Date: 04/26/1996
Source Type: UST
Release Town: AMESBURY
Notification Date: 10/01/1993
Category: NONE
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Location Type: AUTODEALER
Source: UST

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

Chemicals:
Chemical: PETROLEUM
Quantity: Not reported

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 10/1/1993
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: RAOEQ
Action Date: 4/26/1996
Response Action Outcome: Not reported

UST:

Facility:
Facility ID: 148
Owner Id: 2535
Owner: FRASER PONTIAC GMC INC
Owner Address: 130 MARKET ST
Owner City,St,Zip: AMESBURY, MA 01913
Telephone: Not reported
Description: Non-Retail Motor Vehicle
Facility address 2: Not reported
Owner address 2: Not reported
Latitude: 42.86542
Longitude: -70.92991
Contact name: Not reported

FRASER PONTIAC GMC INC (Continued) **1000379949**

Contact address1: Not reported
Contact address2: Not reported
Contact city: Not reported
Contact state: Not reported
Contact zip: Not reported
Contact email: Not reported
Update: 2005-11-10 00:00:00
Update by: Not reported
Fac status: CLOSED

Tank ID: 1
Tank Status: Tank Removed
Status Date: 07/23/1993
Date Installed: 05/06/1979
Capacity: 6000
Contents: Gasoline
Tank Usage: Not reported
Tank Leak Detection: Manual Tank Gauging (1,000G or more capacity tank)
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Single-walled metal tank (cathodic protection required)
Pipe construct: Single-walled metal (Corrosion protection required)
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 2
Tank Status: Tank Removed
Status Date: 07/23/1993
Date Installed: 05/06/1979
Capacity: 6000
Contents: Gasoline
Tank Usage: Not reported
Tank Leak Detection: Manual Tank Gauging (1,000G or more capacity tank)
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Single-walled metal tank (cathodic protection required)
Pipe construct: Single-walled metal (Corrosion protection required)
Ptype: Not reported

FRASER PONTIAC GMC INC (Continued) **1000379949**

Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 3
Tank Status: Tank Removed
Status Date: 12/21/1989
Date Installed: 05/05/1976
Capacity: 275
Contents: Waste Oil
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

INST CONTROL:
Release Tracking Number: 3-0019327
Action Type: AUL
Action Stat: LEGNOT
Action Date: 07/08/2003
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

FRASER PONTIAC GMC INC (Continued) **1000379949**

Release Tracking Number: 3-0019327
Action Type: AUL
Action Stat: RECPT
Action Date: 07/09/2003
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release Tracking Number: 3-0019327
Action Type: AUL
Action Stat: SNAUDI
Action Date: 11/02/2006
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release:
Release Tracking Number/Current Status: 3-0004747 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 10/01/1993
Category: NONE
Status Date: 04/26/1996
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 10/1/1993
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: RAOEQ
Action Date: 4/26/1996
Response Action Outcome: Not reported

Chemicals:
Chemical: PETROLEUM
Quantity: Not reported
Location Type: COMMERCIAL
Location Type: AUTODEALER
Source: UST

Release Tracking Number/Current Status: 3-0019327 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 02/28/2000
Category: 72 HR
Status Date: 07/09/2003
Phase: PHASE II
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL)

FRASER PONTIAC GMC INC (Continued) **1000379949**

has been implemented.
Oil / Haz Material Type: Oil

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

Actions:

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 1/8/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 11/18/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 11/2/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 11/2/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 11/22/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: IRA Assessment Only
Action Date: 2/28/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/28/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Legal Notice Published

FRASER PONTIAC GMC INC (Continued) **1000379949**

Action Date: 3/10/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 3/21/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/21/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 3/5/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 3/5/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/8/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 3/8/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/8/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 6/28/2000

FRASER PONTIAC GMC INC (Continued) **1000379949**

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/28/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 7/8/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/9/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/9/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Chemicals:
Chemical: FUEL OIL #2
Quantity: 340 parts per million
Chemical: #2 FUEL OIL
Quantity: 340 parts per million
Location Type: COMMERCIAL
Source: UST

MA Spills:

Facility ID:	3-4747	Spill ID:	N93-0989
Staff Lead:	GORRASI, M	Date Entered:	Not reported
Last Entered:	19930810	First Response:	19930723
Spill Date:	19930723	Spill Time:	Not reported
Report Date:	19930723	Report Time:	Not reported
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	----------	Other Impact:	Not reported
Material:	GASOLINE	Other Material:	Not reported
Qty Reported:	----------	Qty Actual:	----------
Qty Reported:	----------	Qty Actual:	----------
CAS No:	Not reported	PCB Lev (ppm):	NONE
Source:	U.S.T.	Other Source:	Not reported
Incident:	TANK REMOVAL	Other Incdnt:	Not reported
Cleanup Type:	Not reported	Contractor:	OTHER - UNSPECIFIED

FRASER PONTIAC GMC INC (Continued) **1000379949**

Referral:	SA	LUST Elig:	---
Report Prep:	Not reported	Category:	Not reported
Notifier:	JIM HENNEBURG/RANSOM ENV		
Notif Tel:	Not reported		
Days/Close:	0		

RCRA NonGen / NLR:

Date form received by agency:	08/03/2004
Facility name:	FRASER PONTIAC GMC INC
Facility address:	130 MARKET ST AMESBURY, MA 01913
EPA ID:	MAD019147362
Mailing address:	PO BOX 497 AMESBURY, MA 01913-0000
Contact:	ROBERT-W FRASER
Contact address:	PO BOX 497 AMESBURY, MA 01913
Contact country:	US
Contact telephone:	508-388-2500
Contact email:	Not reported
EPA Region:	01
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	FRASER PONTIAC GMC INC
Owner/operator address:	PO BOX 497 AMESBURY, MA 01913
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1900
Owner/Op end date:	Not reported

Owner/operator name:	FRASER PONTIAC GMC INC
Owner/operator address:	PO BOX 497 AMESBURY, MA 01913
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/08/1991
Owner/Op end date:	01/28/2003

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

FRASER PONTIAC GMC INC (Continued) **1000379949**

Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	12/17/1987
Site name:	FRASER PONTIAC GMC INC
Classification:	Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date:	10/18/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State

FINDS:

Registry ID: 110003424189

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MA-EPICS - Massachussetts Environmental Protection Integrated Computer System

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000379949
Registry ID:	110003424189
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110003424189

MA Financial Assurance 2:

Facility Id:	148
Description:	Vehicle Dealer
Work Phone:	(508) 388-2500

A2 **FRASER PONTIAC-GMC INC** **EDR Hist Auto** **1021886779**
ESE **130 MARKET ST** **N/A**
< 1/8 **AMESBURY, MA 01913**
0.071 mi.
377 ft. **Site 2 of 3 in cluster A**

Relative: EDR Hist Auto
Lower

Actual:
65 ft.

Year:	Name:	Type:
1980	FRASER PONTIAC-GMC INC	New And Used Car Dealers
1982	FRASER PONTIAC-GMC INC	New And Used Car Dealers
1983	FRASER PONTIAC-GMC INC	New And Used Car Dealers
1985	FRASER PONTIAC-GMC INC	New And Used Car Dealers
1986	FRASER PONTIAC-GMC INC	New And Used Car Dealers
1987	FRASER PONTIAC-GMC INC	New And Used Car Dealers
1988	FRASER PONTIAC-GMC INC	New And Used Car Dealers
1993	FRASER PONTIAC-GMC INC	New And Used Car Dealers, NEC
1994	FRASER PONTIAC-GMC INC	New And Used Car Dealers, NEC
1995	FRASER PONTIAC-GMC INC	New And Used Car Dealers, NEC
1996	FRASER PONTIAC-GMC INC	New And Used Car Dealers, NEC
1997	FRASER PONTIAC-GMC INC	New And Used Car Dealers, NEC
1998	FRASER PONTIAC-GMC INC	New And Used Car Dealers, NEC
1999	FRASER PONTIAC-GMC INC	New And Used Car Dealers, NEC
2000	FRASER PONTIAC-GMC INC	New And Used Car Dealers, NEC
2001	FRASER PONTIAC-GMC INC	New And Used Car Dealers, NEC
2002	FRASER PONTIAC-GMC INC	New And Used Car Dealers, NEC
2003	FRASER PONTIAC-GMC INC	New And Used Car Dealers, NEC
2005	MOTORHEADS AUTO REPAIR	General Automotive Repair Shops
2006	MOTORHEADS AUTO REPAIR	General Automotive Repair Shops
2007	MOTORHEADS AUTO REPAIR	General Automotive Repair Shops
2008	MOTORHEADS AUTO REPAIR	General Automotive Repair Shops

A3 **NO LOCATION AID** **MA LAST** **S102086565**
SE **120 MARKET ST** **MA RELEASE** **N/A**
< 1/8 **AMESBURY, MA 01913**
0.089 mi.
468 ft. **Site 3 of 3 in cluster A**

Relative: LAST:
Lower

Actual:
69 ft.

Release Tracking Number/Current Status:	3-0012330 / RAO
Source Type:	AST
Release Town:	AMESBURY
Notification Date:	03/31/1995
Category:	TWO HR
Associated ID:	Not reported
Status Date:	07/28/1995
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material:	Oil

Chemicals:

Chemical:	#2 FUEL OIL
Quantity:	40 gallons
Location Type:	RESIDNTIAL
Source:	AST

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	3/31/1995

NO LOCATION AID (Continued) **S102086565**

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

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/31/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 3/31/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/21/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/15/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/9/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/17/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/19/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/28/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Release Tracking Number/Current Status: 3-0012330 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 03/31/1995

NO LOCATION AID (Continued) **S102086565**

Category: TWO HR
Status Date: 07/28/1995
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil

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

Actions:

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/31/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/31/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 3/31/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/21/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/15/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/9/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/17/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/19/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

NO LOCATION AID (Continued) **S102086565**

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/28/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: #2 FUEL OIL
Quantity: 40 gallons
Location Type: RESIDNTIAL
Source: AST

B4 **LAKE FABRICATION** **MA HW GEN** **S113411380**
NNE **63 CLINTON ST** **N/A**
< 1/8 **AMESBURY, MA 01913**
0.103 mi.
543 ft. **Site 1 of 2 in cluster B**

Relative:
Lower
Actual:
66 ft.

HW GEN:
EPA Id: MV9784623335
RCRA Generator Status: Not reported
State Generator Status: SQG-MA

B5 **R&G MFG CO INC** **RCRA-CESQG** **1000114875**
NNE **63 CLINTON ST.** **MA UST** **MAD001047372**
< 1/8 **AMESBURY, MA 01913** **FINDS**
0.103 mi. **ECHO**
543 ft. **Site 2 of 2 in cluster B** **MA Financial Assurance**
MA HW GEN

Relative:
Lower
Actual:
66 ft.

RCRA-CESQG:
Date form received by agency: 08/15/1980
Facility name: R&G MANUFACTURING COMPANY
Facility address: 63 CLINTON ST
AMESBURY, MA 01913
EPA ID: MAD001047372
Contact: WAYNE BARBARO
Contact address: 63 CLINTON ST
AMESBURY, MA 01913
Contact country: US
Contact telephone: 508-388-9300
Contact email: Not reported
EPA Region: 01
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of

R&G MFG CO INC (Continued) **1000114875**

any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	R&G MANUFACTURING CO
Owner/operator address:	63 CLINTON ST AMESBURY, MA 01913
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	03/01/1949
Owner/Op end date:	Not reported

Owner/operator name:	R&G MFG CO INC SAL BARBARO PRES
Owner/operator address:	63 CLINTON ST AMESBURY, MA 01913
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	10/16/2004
Owner/Op end date:	Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency:	08/15/1980
Site name:	R&G MANUFACTURING COMPANY
Classification:	Conditionally Exempt Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated:	SR - 351(9)(c)6

R&G MFG CO INC (Continued) **1000114875**

Area of violation: Generators - Pre-transport
Date violation determined: 06/23/1992
Date achieved compliance: 08/09/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/22/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 686
Area of violation: Generators - Pre-transport
Date violation determined: 06/23/1992
Date achieved compliance: 08/09/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/22/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 685(3)
Area of violation: Generators - Pre-transport
Date violation determined: 06/23/1992
Date achieved compliance: 08/09/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/22/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(k)
Area of violation: Generators - Pre-transport
Date violation determined: 06/23/1992
Date achieved compliance: 08/09/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/22/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(j)
Area of violation: Generators - Pre-transport

R&G MFG CO INC (Continued) **1000114875**

Date violation determined: 06/23/1992
Date achieved compliance: 08/09/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/22/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 685(1)
Area of violation: Generators - Pre-transport
Date violation determined: 06/23/1992
Date achieved compliance: 08/09/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/22/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(b)
Area of violation: Generators - Pre-transport
Date violation determined: 06/23/1992
Date achieved compliance: 08/09/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/22/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/23/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/09/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

R&G MFG CO INC (Continued) **1000114875**

Evaluation lead agency: State

Evaluation date: 06/23/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/09/1993
Evaluation lead agency: State

UST:

Facility:
Facility ID: 142
Owner Id: 5478
Owner: R & G MANUFACTURING CO INC
Owner Address: 63 CLINTON ST
Owner City,St,Zip: AMESBURY, MA 01913
Telephone: Not reported
Description: Manufacturing
Facility address 2: Not reported
Owner address 2: Not reported
Latitude: 42.86893
Longitude: -70.92518
Contact name: Not reported
Contact address1: Not reported
Contact address2: Not reported
Contact city: Not reported
Contact state: Not reported
Contact zip: Not reported
Contact email: Not reported
Update: 2009-02-09 00:00:00
Update by: Not reported
Fac status: CLOSED

Tank ID: 1
Tank Status: Tank Removed
Status Date: 06/13/1989
Date Installed: 05/03/1971
Capacity: 5000
Contents: Diesel
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported

R&G MFG CO INC (Continued) **1000114875**

Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

FINDS:

Registry ID: 110002086439

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MA-EPICS - Massachussetts Environmental Protection Integrated Computer System

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000114875
Registry ID: 110002086439
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002086439

MA Financial Assurance 2:
Facility Id: 142
Description: Industrial
Work Phone: (617) 388-9300

HW GEN:
EPA Id: MAD001047372
RCRA Generator Status: VSQG
State Generator Status: Not reported

6
SSE
< 1/8
0.106 mi.
562 ft.

2 SOUTH HAMPTON ROAD
2 SOUTH HAMPTON ROAD
AMESBURY, MA

MA SHWS **S118947449**
MA RELEASE **N/A**

Relative:
Higher

Actual:
78 ft.

SHWS:

Release Tracking Number/Current Status:	3-0033773 / PSNC
Release Town:	AMESBURY
Notification Date:	08/30/2016
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**PSNC**
Status Date:	11/28/2016
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material
Location Type:	RESIDNTIAL
Source:	GENERATOR
Source:	HONEYWELL
Source:	HEAT

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

Chemicals:

Chemical:	MERCURY
Quantity:	17 pounds

Actions:

Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	10/21/2016
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	10/21/2016
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	PSNRCD
Action Date:	11/28/2016
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	8/30/2016
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	8/30/2016
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FLDDO
Action Date:	8/30/2016
Response Action Outcome:	Not reported

2 SOUTH HAMPTON ROAD (Continued) **S118947449**

Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	8/31/2016
Response Action Outcome:	Not reported

Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	8/31/2016
Response Action Outcome:	Not reported

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	9/16/2016
Response Action Outcome:	Not reported

Release Tracking Number/Current Status:	3-0033773 / PSNC
Release Town:	AMESBURY
Notification Date:	08/30/2016
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**PSNC**
Status Date:	11/28/2016
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material
Location Type:	RESIDNTIAL
Source:	GENERATOR
Source:	HONEYWELL
Source:	HEAT

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

Chemicals:

Chemical:	MERCURY
Quantity:	17 pounds

Actions:

Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	10/21/2016
Response Action Outcome:	Not reported

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	10/21/2016
Response Action Outcome:	Not reported

Action Type:	Response Action Outcome - RAO
Action Status:	PSNRCD
Action Date:	11/28/2016
Response Action Outcome:	Not reported

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	8/30/2016

2 SOUTH HAMPTON ROAD (Continued) **S118947449**

Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 8/30/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDDO
Action Date: 8/30/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 8/31/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/31/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 9/16/2016
Response Action Outcome: Not reported

Release Tracking Number/Current Status: 3-0033773 / PSNC
Release Town: AMESBURY
Notification Date: 08/30/2016
Category: TWO HR
Associated ID: Not reported
Current Status: **PSNC**
Status Date: 11/28/2016
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Hazardous Material
Location Type: RESIDNTIAL
Source: GENERATOR
Source: HONEYWELL
Source: HEAT

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

Chemicals:
Chemical: MERCURY
Quantity: 17 pounds

Actions:
Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/21/2016
Response Action Outcome: Not reported

Action Type: RNF

2 SOUTH HAMPTON ROAD (Continued) **S118947449**

Action Status: Reportable Release under MGL 21E
Action Date: 10/21/2016
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 11/28/2016
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/30/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 8/30/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDDO
Action Date: 8/30/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 8/31/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/31/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 9/16/2016
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0033773 / PSNC
Primary ID: Not reported
Official City: AMESBURY
Notification: 08/30/2016
Category: TWO HR
Status Date: 11/28/2016
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received

2 SOUTH HAMPTON ROAD (Continued) **S118947449**

Action Date: 10/21/2016
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/21/2016
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 11/28/2016
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/30/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 8/30/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDDO
Action Date: 8/30/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 8/31/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/31/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 9/16/2016
Response Action Outcome: Not reported

Chemicals:
Chemical: MERCURY
Quantity: 17 pounds
Location Type: RESIDNTIAL
Source: GENERATOR
Source: HONEYWELL
Source: HEAT

C7 **NO LOCATION AID** **MA SHWS** **S108034651**
NNW **4-6 FERN AVE** **MA RELEASE** **N/A**
1/4-1/2 **AMESBURY, MA 01913**
0.253 mi.
1336 ft. **Site 1 of 2 in cluster C**

Relative:
Higher

Actual:
108 ft.

SHWS:

Release Tracking Number/Current Status:	3-0025324 / RAONR
Release Town:	AMESBURY
Notification Date:	10/13/2005
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Response Action Outcome Not Required**
Status Date:	09/15/2006
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material

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

Chemicals:

Chemical:	ARSENIC
Quantity:	34.2 milligrams per kilogram

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	10/13/2005
Response Action Outcome:	Not reported

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	10/13/2005
Response Action Outcome:	Not reported

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	11/10/2005
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	4/11/2005
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	4/11/2005
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	4/18/2005
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	Tier 2 Transfer
Action Date:	9/12/2006

NO LOCATION AID (Continued) **S108034651**

Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 9/15/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 9/15/2006
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 9/7/2006
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0025324 / RAONR
Primary ID: Not reported
Official City: AMESBURY
Notification: 10/13/2005
Category: 120 DY
Status Date: 09/15/2006
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/13/2005
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/13/2005
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/10/2005
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/11/2005
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 4/11/2005
Response Action Outcome: Not reported

NO LOCATION AID (Continued) **S108034651**

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 4/18/2005
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Transfer
Action Date: 9/12/2006
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 9/15/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 9/15/2006
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 9/7/2006
Response Action Outcome: Not reported

Chemicals:
Chemical: ARSENIC
Quantity: 34.2 milligrams per kilogram

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8 **HENSCHEL CORP.** **SEMS-ARCHIVE** **1003862267**
SE **14 CEDAR ST.** **MA SHWS** **MAD001047463**
1/4-1/2 **AMESBURY, MA 01913** **MA RELEASE**
0.259 mi. **MA ASBESTOS**
1370 ft. **MA ENF**

Relative: Lower
Actual: 29 ft.

SEMS Archive:
Site ID: 100395
EPA ID: MAD001047463
Cong District: 6
FIPS Code: 25009
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 1
Site ID: 100395
EPA ID: MAD001047463
Site Name: HENSCHEL CORP.
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1996-08-09 00:00:00
Qual: Not reported

HENSCHEL CORP. (Continued) **1003862267**

Current Action Lead: EPA Perf In-Hse

Region: 1
Site ID: 100395
EPA ID: MAD001047463
Site Name: HENSCHEL CORP.
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1984-06-01 00:00:00
Finish Date: 1984-06-01 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 1
Site ID: 100395
EPA ID: MAD001047463
Site Name: HENSCHEL CORP.
NPL: N
FF: N
OU: 0
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 1988-12-30 00:00:00
Qual: N
Current Action Lead: St Perf

Region: 1
Site ID: 100395
EPA ID: MAD001047463
Site Name: HENSCHEL CORP.
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1985-03-25 00:00:00
Qual: L
Current Action Lead: St Perf

SHWS:
Release Tracking Number/Current Status: 3-0000203 / RAO
Release Town: AMESBURY
Notification Date: 01/15/1987
Category: 120 DY
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 04/23/2012
Phase: PHASE III

HENSCHEL CORP. (Continued) **1003862267**

Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material: Hazardous Material
Location Type: MANUFACT
Location Type: FORMER
Source: UNKNOWN
Source: UNCONTAIN

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

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported
Chemical: ETHENE, TETRACHLORO-
Quantity: 450 milligrams per kilogram
Chemical: TRANS-1,3-DICHLOROPROPENE
Quantity: 5 micrograms per liter

Actions:
Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received
Action Date: 1/15/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVSIG
Action Date: 1/27/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: An activity type that is related to an Audit
Action Status: Interim Deadline Letter Issued
Action Date: 1/27/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/27/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: Submittal Determined to be Invalid by DEP
Action Date: 10/27/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: An activity type that is related to an Audit
Action Status: NAFVIO
Action Date: 10/27/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

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

HENSCHEL CORP. (Continued) **1003862267**

Action Status: Interim Deadline Letter Issued
Action Date: 10/27/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVDN
Action Date: 11/12/1993
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVREC
Action Date: 11/12/1993
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: RMRFIN
Action Date: 11/30/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 11/30/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/22/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WCSPRM
Action Date: 2/3/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVACC
Action Date: 2/4/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/19/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/19/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

HENSCHEL CORP. (Continued) **1003862267**

reduced to background.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 3/20/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 3/31/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 4/23/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 5/22/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 5/26/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: Level I - Technical Screen Audit
Action Date: 6/11/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 6/5/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 6/8/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 7/1/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition

HENSCHEL CORP. (Continued) **1003862267**

Action Status: Valid Transition Site
Action Date: 7/11/1985
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 7/21/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/24/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 7/28/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 7/9/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 8/23/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/29/1989
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Revised Statement or Transmittal Received
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 9/8/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

HENSCHEL CORP. (Continued) **1003862267**

reduced to background.

Release Tracking Number/Current Status: 3-0000203 / RAO
Release Town: AMESBURY
Notification Date: 01/15/1987
Category: 120 DY
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 04/23/2012
Phase: PHASE III
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material: Hazardous Material
Location Type: MANUFACT
Location Type: FORMER
Source: UNKNOWN
Source: UNCONTAIN

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

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported
Chemical: ETHENE, TETRACHLORO-
Quantity: 450 milligrams per kilogram
Chemical: TRANS-1,3-DICHLOROPROPENE
Quantity: 5 micrograms per liter

Actions:
Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received
Action Date: 1/15/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVSIG
Action Date: 1/27/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: An activity type that is related to an Audit
Action Status: Interim Deadline Letter Issued
Action Date: 1/27/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/27/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: Submittal Determined to be Invalid by DEP

HENSCHEL CORP. (Continued) **1003862267**

Action Date: 10/27/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: An activity type that is related to an Audit
Action Status: NAFVIO
Action Date: 10/27/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: An activity type that is related to an Audit
Action Status: Interim Deadline Letter Issued
Action Date: 10/27/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVDN
Action Date: 11/12/1993
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVREC
Action Date: 11/12/1993
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: RMRFIN
Action Date: 11/30/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 11/30/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/22/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WCSPRM
Action Date: 2/3/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVACC
Action Date: 2/4/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

HENSCHEL CORP. (Continued) **1003862267**

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/19/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/19/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 3/20/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 3/31/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 4/23/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 5/22/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 5/26/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: Level I - Technical Screen Audit
Action Date: 6/11/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 6/5/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 6/8/1998

HENSCHEL CORP. (Continued) **1003862267**

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

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 7/1/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 7/11/1985
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 7/21/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/24/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 7/28/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 7/9/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 8/23/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/29/1989
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Revised Statement or Transmittal Received
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

HENSCHEL CORP. (Continued) **1003862267**

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 9/8/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Release Tracking Number/Current Status: 3-0000203 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 01/15/1987
Category: 120 DY
Status Date: 04/23/2012
Phase: PHASE III
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received
Action Date: 1/15/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVSIG
Action Date: 1/27/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: An activity type that is related to an Audit
Action Status: Interim Deadline Letter Issued
Action Date: 1/27/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/27/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: Submittal Determined to be Invalid by DEP
Action Date: 10/27/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

HENSCHEL CORP. (Continued) **1003862267**

reduced to background.

Action Type: An activity type that is related to an Audit
Action Status: NAFVIO
Action Date: 10/27/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: An activity type that is related to an Audit
Action Status: Interim Deadline Letter Issued
Action Date: 10/27/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVDN
Action Date: 11/12/1993
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVREC
Action Date: 11/12/1993
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: RMRFIN
Action Date: 11/30/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 11/30/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/22/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WCSPRM
Action Date: 2/3/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVACC
Action Date: 2/4/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification

HENSCHEL CORP. (Continued) **1003862267**

Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/19/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/19/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 3/20/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 3/31/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 4/23/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 5/22/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 5/26/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: Level I - Technical Screen Audit
Action Date: 6/11/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 6/5/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 6/8/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

HENSCHEL CORP. (Continued) **1003862267**

reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 7/1/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 7/11/1985
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 7/21/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/24/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 7/28/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 7/9/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 8/23/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/29/1989
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Abatement Measure
Action Status: Revised Statement or Transmittal Received
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2

HENSCHEL CORP. (Continued) **1003862267**

Action Status:	Completion Statement Received
Action Date:	8/6/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	9/8/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:

Chemical:	UNKNOWN
Quantity:	Not reported
Chemical:	ETHENE, TETRACHLORO-
Quantity:	450 milligrams per kilogram
Chemical:	TRANS-1,3-DICHLOROPROPENE
Quantity:	5 micrograms per liter
Location Type:	MANUFACT
Location Type:	FORMER
Source:	UNKNOWN
Source:	UNCONTAIN

ASBESTOS:

Notification:	1563014
DEP Region:	NE
Notifiers Name:	ACS ENVIRONMENTAL SERVICES
Start Date:	01/10/2004
End Date:	01/10/2004
Date Entered:	31/12/2003
Entry Date:	12/31/2003
Quantity Materical Removed SF:	50
Quantity Material Removed LF:	Not reported
Project Description:	Boiler Coatings
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported

HENSCHEL CORP. (Continued) **1003862267**

DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported
Notification:	202878
DEP Region:	NE
Notifiers Name:	ACS ENVIRONMENTAL SERVICES
Start Date:	10/07/2003
End Date:	10/07/2003
Date Entered:	27/10/2003
Entry Date:	10/27/2003
Quantity Materical Removed SF:	Not reported
Quantity Material Removed LF:	50
Project Description:	Corrugated Pipe
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported

HENSCHEL CORP. (Continued) **1003862267**

DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported

Notification:	100064317
DEP Region:	NE
Notifiers Name:	ENVIRONMENTAL COMPLIANCE SPECIALIST
Start Date:	11/26/2007
End Date:	12/31/2007
Date Entered:	09/11/2007
Entry Date:	11/09/2007
Quantity Materical Removed SF:	0
Quantity Material Removed LF:	1250
Project Description:	Spr,
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported

HENSCHEL CORP. (Continued) **1003862267**

Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported

ENFORCEMENT:

Region:	NERO
DEP Region:	NERO
DEP Program:	3S
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0000203
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	06/05/2009
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Individually Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3S
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0000203

HENSCHEL CORP. (Continued) **1003862267**

High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	10/27/2008
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3S
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0000203
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	01/27/2009
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3S
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0000203
High Or Low Level Enforcement:	LLE

HENSCHEL CORP. (Continued) **1003862267**

FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	03/31/2009
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3S
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0000203
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	09/08/2009
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

C9 **PROPERTY** **MA SHWS** **S106344075**
NNW **6 FERN AVE** **MA LAST** **N/A**
1/4-1/2 **AMESBURY, MA 01913** **MA RELEASE**
0.263 mi. **MA ENF**
1387 ft. **Site 2 of 2 in cluster C**

Relative: Higher

Actual: 122 ft.

SHWS:

Release Tracking Number/Current Status:	3-0023733 / RAO
Release Town:	AMESBURY
Notification Date:	04/04/2004
Category:	TWO HR
Associated ID:	3-0023733
Current Status:	**Response Action Outcome**
Status Date:	04/10/2007
Phase:	PHASE II
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material:	Oil
Location Type:	RESIDNTIAL
Source:	PIPE
Source:	AST

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

Chemicals:

Chemical:	FUEL OIL #2
Quantity:	10 gallons
Chemical:	#2 FUEL OIL
Quantity:	400 gallons

Actions:

Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	1/10/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Compliance and Enforcement Action
Action Status:	ACOP
Action Date:	1/9/2007
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Compliance and Enforcement Action
Action Status:	RFI
Action Date:	11/30/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RLFA
Action Status:	FLDRAN
Action Date:	11/4/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	12/13/2004

PROPERTY (Continued) **S106344075**

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

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 12/13/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 12/16/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 2/3/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/6/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/7/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/16/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/21/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 4/10/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

PROPERTY (Continued) **S106344075**

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 4/12/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/14/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/15/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 4/15/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/15/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 4/18/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/26/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/28/2004

PROPERTY (Continued) **S106344075**

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

Action Type: RLFA
Action Status: FOLFLD
Action Date: 4/29/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 4/4/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/4/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 4/4/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1A
Action Date: 4/6/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 4/7/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 4/7/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/8/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/9/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

PROPERTY (Continued) **S106344075**

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/5/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 6/28/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/3/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 6/3/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 7/15/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 7/26/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/9/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 8/11/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/11/2006

PROPERTY (Continued) **S106344075**

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

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/24/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/31/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/9/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/1/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/12/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Transfer
Action Date: 9/12/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 9/15/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/22/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

PROPERTY (Continued) **S106344075**

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/22/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

LAST:
Release Tracking Number/Current Status: 3-0023733 / RAO
Source Type: AST
Release Town: AMESBURY
Notification Date: 04/04/2004
Category: TWO HR
Associated ID: 3-0023733
Status Date: 04/10/2007
Phase: PHASE II
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material: Oil

Chemicals:
Chemical: FUEL OIL #2
Quantity: 10 gallons
Chemical: #2 FUEL OIL
Quantity: 400 gallons
Location Type: RESIDNTIAL
Source: PIPE
Source: AST

Actions:
Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/10/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: ACOP
Action Date: 1/9/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: RFI
Action Date: 11/30/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 11/4/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 12/13/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

PROPERTY (Continued) **S106344075**

reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 12/13/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 12/16/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 2/3/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/6/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/7/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/16/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/21/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 4/10/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification

PROPERTY (Continued) **S106344075**

Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 4/12/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/14/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/15/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 4/15/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/15/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 4/18/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/26/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/28/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

PROPERTY (Continued) **S106344075**

reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 4/29/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 4/4/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/4/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 4/4/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1A
Action Date: 4/6/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 4/7/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 4/7/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/8/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/9/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA

PROPERTY (Continued) **S106344075**

Action Status: FOLOFF
Action Date: 5/5/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 6/28/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/3/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 6/3/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 7/15/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 7/26/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/9/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 8/11/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/11/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

PROPERTY (Continued) **S106344075**

reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/24/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/31/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/9/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/1/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/12/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Transfer
Action Date: 9/12/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 9/15/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/22/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA

PROPERTY (Continued) **S106344075**

Action Status: FOLOFF
Action Date: 9/22/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Release Tracking Number/Current Status: 3-0023733 / RAO
Primary ID: 3-0023733
Official City: AMESBURY
Notification: 04/04/2004
Category: TWO HR
Status Date: 04/10/2007
Phase: PHASE II
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/10/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: ACOP
Action Date: 1/9/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: RFI
Action Date: 11/30/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 11/4/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 12/13/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 12/13/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

PROPERTY (Continued) **S106344075**

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 12/16/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 2/3/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/6/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/7/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/16/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/21/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 4/10/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 4/11/2005

PROPERTY (Continued) **S106344075**

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

Action Type: RLFA
Action Status: FLDRUN
Action Date: 4/12/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/14/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/15/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 4/15/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/15/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 4/18/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/26/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/28/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 4/29/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

PROPERTY (Continued) **S106344075**

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 4/4/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/4/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 4/4/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1A
Action Date: 4/6/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 4/7/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 4/7/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/8/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/9/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/5/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/2/2004

PROPERTY (Continued) **S106344075**

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

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 6/28/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/3/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 6/3/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 7/15/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 7/26/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/9/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 8/11/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/11/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/24/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

PROPERTY (Continued) **S106344075**

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/31/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/9/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/1/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/12/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Transfer
Action Date: 9/12/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 9/15/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/22/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/22/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: FUEL OIL #2
Quantity: 10 gallons

PROPERTY (Continued) **S106344075**

Chemical:	#2 FUEL OIL
Quantity:	400 gallons
Location Type:	RESIDNTIAL
Source:	PIPE
Source:	AST

ENFORCEMENT:

Region:	NERO
DEP Region:	NERO
DEP Program:	3A
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0023733
High Or Low Level Enforcement:	HLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	01/09/2007
ENF #:	ACOP-NE-06-3A037
Document Type:	ACOP
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	05/09/2008
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Y
SEP $:	15000
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

10
SSE
1/4-1/2
0.294 mi.
1552 ft.

MERRIMAC HAT CO
17 CEDAR ST
AMESBURY, MA 01913

MA SHWS **S106510405**
MA RELEASE **N/A**
MA HW GEN

Relative:
Lower

Actual:
28 ft.

SHWS:

Release Tracking Number/Current Status:	3-0000622 / RAO
Release Town:	AMESBURY
Notification Date:	01/15/1990
Category:	NONE
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	08/11/1997
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL

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

MERRIMAC HAT CO (Continued) **S106510405**

Chemicals:
Chemical: FUEL OIL
Quantity: Not reported

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1990
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: RAOEQ
Action Date: 8/11/1997
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0000622 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 01/15/1990
Category: NONE
Status Date: 08/11/1997
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1990
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: RAOEQ
Action Date: 8/11/1997
Response Action Outcome: Not reported

Chemicals:
Chemical: FUEL OIL
Quantity: Not reported
Location Type: COMMERCIAL

HW GEN:
EPA Id: MAR000006049
RCRA Generator Status: VSQG
State Generator Status: Not reported

11
SSE
1/4-1/2
0.313 mi.
1651 ft.

NO LOCATION AID
65 MARKET ST
AMESBURY, MA 01913

MA LAST **S106030089**
MA RELEASE **N/A**

Relative:
Lower

Actual:
55 ft.

LAST:

Release Tracking Number/Current Status:	3-0023110 / RAO
Source Type:	AST
Release Town:	AMESBURY
Notification Date:	08/21/2003
Category:	TWO HR
Associated ID:	Not reported
Status Date:	08/19/2004
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material:	Oil

Chemicals:

Chemical:	FUEL OIL #2
Quantity:	10 gallons
Chemical:	FUEL OIL
Quantity:	10 gallons
Chemical:	#2 FUEL OIL
Quantity:	200 gallons
Location Type:	RESIDNTIAL
Source:	AST

Actions:

Action Type:	Immediate Response Action
Action Status:	Written Approval of Plan
Action Date:	1/8/2004
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	10/21/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	10/24/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	12/1/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	12/9/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

NO LOCATION AID (Continued) **S106030089**

Action Type: RLFA
Action Status: FOLOFF
Action Date: 2/6/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/10/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/25/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/14/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/14/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/14/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/19/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/19/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 8/19/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 8/21/2003

NO LOCATION AID (Continued) **S106030089**

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

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/21/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/12/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 9/3/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/3/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 9/3/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/4/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Release Tracking Number/Current Status: 3-0023110 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 08/21/2003
Category: TWO HR
Status Date: 08/19/2004
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Immediate Response Action

NO LOCATION AID (Continued) **S106030089**

Action Status: Written Approval of Plan
Action Date: 1/8/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/21/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/24/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 12/1/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 12/9/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 2/6/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/10/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 3/25/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/14/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/14/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

NO LOCATION AID (Continued) **S106030089**

reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/14/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/19/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/19/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 8/19/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 8/21/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/21/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/12/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRUN
Action Date: 9/3/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/3/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

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

NO LOCATION AID (Continued) **S106030089**

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 9/3/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/4/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: FUEL OIL #2
Quantity: 10 gallons
Chemical: FUEL OIL
Quantity: 10 gallons
Chemical: #2 FUEL OIL
Quantity: 200 gallons
Location Type: RESIDNTIAL
Source: AST

12
NNW
1/4-1/2
0.356 mi.
1880 ft.

PAD-MOUNTED ELECTRIC TRANSFORMER **MA SHWS** **S118562859**
149 WHITTIER MEADOWS DRIVE **MA RELEASE** **N/A**
AMESBURY, MA 01913

Relative:
Higher

Actual:
114 ft.

SHWS:
Release Tracking Number/Current Status: 3-0033406 / PSNC
Release Town: AMESBURY
Notification Date: 02/06/2016
Category: TWO HR
Associated ID: Not reported
Current Status: **PSNC**
Status Date: 02/08/2017
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Not reported
Location Type: PRIVPROP
Source: TRANSFORM

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

Chemicals:
Chemical: MODF
Quantity: 30 gallons

Actions:
Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 12/6/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 12/7/2016

PAD-MOUNTED ELECTRIC TRANSFORMER (Continued) **S118562859**

Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 12/8/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 2/26/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 2/6/2016
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/6/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 2/8/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 2/8/2017
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/6/2016
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/6/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 4/6/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 4/7/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 6/7/2016
Response Action Outcome: Not reported

PAD-MOUNTED ELECTRIC TRANSFORMER (Continued) **S118562859**

Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	6/8/2016
Response Action Outcome:	Not reported

Release:

Release Tracking Number/Current Status:	3-0033406 / PSNC
Primary ID:	Not reported
Official City:	AMESBURY
Notification:	02/06/2016
Category:	TWO HR
Status Date:	02/08/2017
Phase:	Not reported
Response Action Outcome:	-
Oil / Haz Material Type:	Not reported

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

Actions:

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	12/6/2016
Response Action Outcome:	Not reported

Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	12/7/2016
Response Action Outcome:	Not reported

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	12/8/2016
Response Action Outcome:	Not reported

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	2/26/2016
Response Action Outcome:	Not reported

Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	2/6/2016
Response Action Outcome:	Not reported

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	2/6/2016
Response Action Outcome:	Not reported

Action Type:	Immediate Response Action
Action Status:	Completion Statement Received
Action Date:	2/8/2017
Response Action Outcome:	Not reported

Action Type:	Response Action Outcome - RAO

PAD-MOUNTED ELECTRIC TRANSFORMER (Continued) **S118562859**

Action Status:	PSNRCD
Action Date:	2/8/2017
Response Action Outcome:	Not reported
Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	4/6/2016
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	4/6/2016
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	4/6/2016
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	4/7/2016
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	6/7/2016
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	6/8/2016
Response Action Outcome:	Not reported

Chemicals:

Chemical:	MODF
Quantity:	30 gallons
Location Type:	PRIVPROP
Source:	TRANSFORM

13
SSE
1/4-1/2
0.367 mi.
1939 ft.

TRADER ALLEN TRUCK STOP **MA SHWS U001004131**
RTE 150 EXETER RD **MA RELEASE N/A**
AMESBURY, MA 01913

Relative:
Lower

Actual:
64 ft.

SHWS:

Release Tracking Number/Current Status:	3-0001604 / RAO
Release Town:	AMESBURY
Notification Date:	10/15/1988
Category:	NONE
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	08/08/1995
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Not reported

TRADER ALLEN TRUCK STOP (Continued) **U001004131**

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

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 10/15/1988
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: RAOEQ
Action Date: 8/8/1995
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0001604 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 10/15/1988
Category: NONE
Status Date: 08/08/1995
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 10/15/1988
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: RAOEQ
Action Date: 8/8/1995
Response Action Outcome: Not reported

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

14
North
1/4-1/2
0.386 mi.
2037 ft.

NO LOCATION AID
28 FERN AVE
AMESBURY, MA 01913

MA LUST
MA RELEASE

S106030496
N/A

Relative:
Higher

Actual:
88 ft.

LUST:

Facility:

Release Tracking Number/Current Status:	3-0022922 / RAO
Status Date:	08/12/2003
Source Type:	UST
Release Town:	AMESBURY
Notification Date:	06/12/2003
Category:	72 HR
Associated ID:	Not reported
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material:	Oil
Location Type:	RESIDNTIAL
Source:	UST

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

Chemicals:

Chemical:	FUEL OIL #2
Quantity:	Not reported

Actions:

Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	6/12/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RLFA
Action Status:	FLDDO
Action Date:	6/12/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	6/12/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	6/16/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	8/12/2003

NO LOCATION AID (Continued) **S106030496**

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

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/12/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Release Tracking Number/Current Status: 3-0022922 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 06/12/2003
Category: 72 HR
Status Date: 08/12/2003
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/12/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDDO
Action Date: 6/12/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/12/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/16/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/12/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF

NO LOCATION AID (Continued) **S106030496**

Action Status: Reportable Release under MGL 21E
Action Date: 8/12/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: FUEL OIL #2
Quantity: Not reported
Location Type: RESIDNTIAL
Source: UST

---

15 South 1/4-1/2 0.405 mi. 2139 ft.

NO LOCATION AID
36 HIGH ST
AMESBURY, MA 01913

MA SHWS S105309432
MA LUST N/A
MA RELEASE
MA ENF

Relative: Higher

Actual: 85 ft.

SHWS:
Release Tracking Number/Current Status: 3-0021511 / RAO
Release Town: AMESBURY
Notification Date: 02/21/2002
Category: 120 DY
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 11/13/2003
Phase: PHASE II
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material: Hazardous Material

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

Chemicals:
Chemical: LEAD
Quantity: 17000 milligrams per kilogram

Actions:
Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 11/13/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/11/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 12/11/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition

NO LOCATION AID (Continued) **S105309432**

Action Status: Reportable Release under MGL 21E
Action Date: 2/21/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 2/21/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 2/28/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/28/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 2/28/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 3/17/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/26/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 6/2/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

LUST:

Facility:
Release Tracking Number/Current Status: 3-0023731 / RAO
Status Date: 09/08/2009
Source Type: UST
Release Town: AMESBURY
Notification Date: 04/02/2004
Category: 72 HR

NO LOCATION AID (Continued) **S105309432**

Associated ID: Not reported
Phase: PHASE III
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material: Oil and Hazardous Material

Location Type: COMMERCIAL
Source: UST

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

Chemicals:
Chemical: PID
Quantity: 400 parts per million
Chemical: XYLENES
Quantity: 12.3 milligrams per liter
Chemical: HEATING OIL
Quantity: 400 parts per million
Chemical: TOLUENE
Quantity: 15 milligrams per liter

Actions:
Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/29/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 1/29/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/29/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 1/29/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: ACO
Action Date: 1/3/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 1/30/2008

NO LOCATION AID (Continued) **S105309432**

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

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 12/6/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/12/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 4/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 4/20/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 4/28/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

NO LOCATION AID (Continued) **S105309432**

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/29/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/6/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 6/14/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 6/8/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/8/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 7/30/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/4/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 8/4/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 9/8/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Release Tracking Number/Current Status: 3-0021511 / RAO

NO LOCATION AID (Continued) **S105309432**

Primary ID:	Not reported
Official City:	AMESBURY
Notification:	02/21/2002
Category:	120 DY
Status Date:	11/13/2003
Phase:	PHASE II
Response Action Outcome:	A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type:	Hazardous Material

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

Actions:

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	11/13/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Release Abatement Measure
Action Status:	Status or Interim Report Received
Action Date:	12/11/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Release Abatement Measure
Action Status:	Completion Statement Received
Action Date:	12/11/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	2/21/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	2/21/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	2/28/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	2/28/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Tier Classification
Action Status:	Tier 2 Classification

NO LOCATION AID (Continued) **S105309432**

Action Date: 2/28/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 3/17/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/26/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 6/2/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: LEAD
Quantity: 17000 milligrams per kilogram

Release Tracking Number/Current Status: 3-0023731 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 04/02/2004
Category: 72 HR
Status Date: 09/08/2009
Phase: PHASE III
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/29/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 1/29/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/29/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

NO LOCATION AID (Continued) **S105309432**

reduced to background.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 1/29/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: ACO
Action Date: 1/3/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 1/30/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 12/6/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/12/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action

NO LOCATION AID (Continued) **S105309432**

Action Status: Oral Approval of Plan or Action
Action Date: 4/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 4/20/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 4/28/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/29/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/6/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 6/14/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 6/8/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/8/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 7/30/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/4/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

NO LOCATION AID (Continued) **S105309432**

reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 8/4/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 9/8/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: PID
Quantity: 400 parts per million
Chemical: XYLENES
Quantity: 12.3 milligrams per liter
Chemical: HEATING OIL
Quantity: 400 parts per million
Chemical: TOLUENE
Quantity: 15 milligrams per liter
Location Type: COMMERCIAL
Source: UST

ENFORCEMENT:
Region: NERO
DEP Region: NERO
DEP Program: 3A
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0023731
High Or Low Level Enforcement: HLE
FMF #: Not reported
Comptroller Billing Name: Not reported
Town Where Violation Occurred: Not reported
Date Executed: 01/03/2008
ENF #: ACO-NE-07-3A039
Document Type: ACO
AG Ref (Y/N): Not reported
Doc Archived (Y/N): Not reported
EJ Community (Y/N): Not reported
Regional Comment: Not reported
Final Payment Due Date: Not reported
ACOP $: Not reported
PAN $: Not reported
EMS (Y/N): Not reported
EMS$: Not reported
SEP (Y/N): Not reported
SEP $: Not reported
Demand $: Not reported
Suspended $: Not reported
Ownership: Municipally Owned

D16 **SHORTS EXPRESS** **MA SHWS** **S100040392**
SSE **77 ELM ST** **MA LUST** **N/A**
1/4-1/2 **AMESBURY, MA 01913** **MA RELEASE**
0.423 mi. **MA ASBESTOS**
2234 ft. **Site 1 of 3 in cluster D**

Relative:
Lower

Actual:
18 ft.

SHWS:

Release Tracking Number/Current Status:	3-0033215 / TIERII
Release Town:	AMESBURY
Notification Date:	10/20/2015
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date:	10/26/2016
Phase:	PHASE II
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material
Source:	UNKNOWN

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

Chemicals:

Chemical:	TRICHLOROETHYLENE
Quantity:	130 milligrams per kilogram
Chemical:	TETRACHLOROETHYLENE
Quantity:	1.2 milligrams per kilogram
Chemical:	ETHENE, TRICHLORO-
Quantity:	24 micrograms per liter
Chemical:	CIS-1,2-DICHLOROETHYLENE
Quantity:	35 micrograms per liter

Actions:

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	10/20/2015
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	10/20/2015
Response Action Outcome:	Not reported
Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	10/20/2015
Response Action Outcome:	Not reported
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	10/26/2016
Response Action Outcome:	Not reported
Action Type:	Tier Classification

SHORTS EXPRESS (Continued) **S100040392**

Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/26/2016
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 10/26/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/16/2015
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 11/2/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRAN
Action Date: 11/3/2015
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 8/10/2016
Response Action Outcome: Not reported

LUST:

Facility:
Release Tracking Number/Current Status: 3-0003650 / LSPNFA
Status Date: 08/01/1997
Source Type: UST
Release Town: AMESBURY
Notification Date: 07/15/1991
Category: NONE
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: UST

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

Chemicals:
Chemical: PETROLEUM
Quantity: Not reported

Actions:
Action Type: Release Disposition

SHORTS EXPRESS (Continued) **S100040392**

Action Status: Valid Transition Site
Action Date: 7/15/1991
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: LSPNFA
Action Date: 8/1/1997
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0003650 / LSPNFA
Primary ID: Not reported
Official City: AMESBURY
Notification: 07/15/1991
Category: NONE
Status Date: 08/01/1997
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 7/15/1991
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: LSPNFA
Action Date: 8/1/1997
Response Action Outcome: Not reported

Chemicals:
Chemical: PETROLEUM
Quantity: Not reported
Location Type: COMMERCIAL
Source: UST

Release Tracking Number/Current Status: 3-0033215 / TIERII
Primary ID: Not reported
Official City: AMESBURY
Notification: 10/20/2015
Category: 120 DY
Status Date: 10/26/2016
Phase: PHASE II
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: RNF
Action Status: Reportable Release under MGL 21E

SHORTS EXPRESS (Continued) **S100040392**

Action Date: 10/20/2015
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/20/2015
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/20/2015
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 10/26/2016
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/26/2016
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 10/26/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/16/2015
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 11/2/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRAN
Action Date: 11/3/2015
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 8/10/2016
Response Action Outcome: Not reported

Chemicals:
Chemical: TRICHLOROETHYLENE
Quantity: 130 milligrams per kilogram
Chemical: TETRACHLOROETHYLENE
Quantity: 1.2 milligrams per kilogram
Chemical: ETHENE, TRICHLORO-
Quantity: 24 micrograms per liter
Chemical: CIS-1,2-DICHLOROETHYLENE
Quantity: 35 micrograms per liter

SHORTS EXPRESS (Continued) **S100040392**

Source: UNKNOWN

ASBESTOS:

Notification:	100032668
DEP Region:	NE
Notifiers Name:	YANKEE ENVIRONMENTAL SERVICES INC
Start Date:	05/26/2006
End Date:	05/26/2006
Date Entered:	12/05/2006
Entry Date:	05/12/2006
Quantity Materical Removed SF:	0
Quantity Material Removed LF:	60
Project Description:	Spr
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported

SHORTS EXPRESS (Continued) **S100040392**

Entered_by: Not reported

D17 **ATLANTIC TRANSMISSION** **US BROWNFIELDS** **1016348783**
SSE **72 ELM STREET** **FINDS** **N/A**
1/4-1/2 **AMESBURY, MA 01913**
0.448 mi.
2364 ft. **Site 2 of 3 in cluster D**

Relative: **Lower**
Actual: **24 ft.**

US BROWNFIELDS:

Property Name:	ATLANTIC TRANSMISSION
Recipient Name:	Merrimack Valley Planning Commission
Grant Type:	Assessment
Property Number:	Lot 63 Map 53
Parcel size:	.45
Latitude:	42.85934
Longitude:	-70.92787
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	26861
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	2500
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	98192401
Start Date:	04/01/2006 00:00:00
Ownership Entity:	Private
Completion Date:	08/01/2006 00:00:00
Current Owner:	Jim Rustino
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported

ATLANTIC TRANSMISSION (Continued) **1016348783**

State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	Residual Contamination
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported

ATLANTIC TRANSMISSION (Continued) **1016348783**

Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Transit Authority is constructing a 10,000 s.f. transportation center adjacent to the property. Currently a transmission shop.
Below Poverty Number:	290
Below Poverty Percent:	6.5%
Meidan Income:	11044
Meidan Income Number:	715
Meidan Income Percent:	16.0%
Vacant Housing Number:	162
Vacant Housing Percent:	7.5%
Unemployed Number:	235
Unemployed Percent:	5.3%

FINDS:

Registry ID: 110038749156

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

E18 **A L PRIME ENERGY 140 AMESBURY** **MA LUST** **U003000234**
SSE **63 ELM ST** **MA UST** **N/A**
1/4-1/2 **AMESBURY, MA 01913** **MA RELEASE**
0.448 mi. **MA Financial Assurance**
2367 ft. **Site 1 of 2 in cluster E**

Relative: Lower
Actual: 22 ft.

LUST:

Facility:

Release Tracking Number/Current Status:	3-0002313 / RAO
Status Date:	05/13/1996
Source Type:	UST
Release Town:	AMESBURY

A L PRIME ENERGY 140 AMESBURY (Continued) **U003000234**

Notification Date: 07/15/1993
Category: NONE
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material: Oil

Location Type: GASSTATION
Source: UST

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

Chemicals:
Chemical: VOCS
Quantity: Not reported

Actions:
Action Type: TREGS
Action Status: WAVSIG
Action Date: 1/18/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVACC
Action Date: 1/25/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: WAVREC
Action Date: 10/1/1993
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 5/13/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 7/15/1993
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

UST:

Facility:
Facility ID: 145
Owner Id: 232
Owner: A L PRIME ENERGY CONSULTANT INC

A L PRIME ENERGY 140 AMESBURY (Continued) **U003000234**

Owner Address:	18 LARK AVE
Owner City,St,Zip:	SAUGUS, MA 01906
Telephone:	9783884890
Description:	Retail Motor Vehicle Fuel
Facility address 2:	Not reported
Owner address 2:	Not reported
Latitude:	42.85848
Longitude:	-70.92867
Contact name:	Nasser Abu-Eid
Contact address1:	18 Lark Ave
Contact address2:	Not reported
Contact city:	Saugus
Contact state:	MA
Contact zip:	02493
Contact email:	nasser.abueid@alprime.com
Update:	2016-12-16 00:00:00
Update by:	Anthony Guba
Fac status:	OPEN

Facility ID:	145
Owner Id:	232
Owner:	A L PRIME ENERGY CONSULTANT INC
Owner Address:	18 LARK AVE
Owner City,St,Zip:	SAUGUS, MA 01906
Telephone:	9783884890
Description:	Retail Motor Vehicle Fuel
Facility address 2:	Not reported
Owner address 2:	Not reported
Latitude:	42.85848
Longitude:	-70.92867
Contact name:	Nasser Abu-Eid
Contact address1:	18 Lark Ave
Contact address2:	Not reported
Contact city:	Saugus
Contact state:	MA
Contact zip:	02493
Contact email:	nasser.abueid@alprime.com
Update:	2016-12-16 00:00:00
Update by:	Anthony Guba
Fac status:	OPEN

Tank ID:	1
Tank Status:	**Tank Removed**
Status Date:	05/10/1991
Date Installed:	01/01/1986
Capacity:	4000
Contents:	Gasoline
Tank Usage:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Tank construct:	Not reported
Pipe construct:	Not reported
Ptype:	Not reported
Number of compartment:	Not reported

A L PRIME ENERGY 140 AMESBURY (Continued) **U003000234**

Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 2
Tank Status: Tank Removed
Status Date: 05/10/1991
Date Installed: 01/01/1977
Capacity: 10000
Contents: Gasoline
Tank Usage: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 3
Tank Status: In Use
Status Date: Not reported
Date Installed: 06/01/1991
Capacity: 10000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Continuous Interstitial Monitoring

A L PRIME ENERGY 140 AMESBURY (Continued) **U003000234**

Pipe Leak Detection: Continuous Interstitial Space Monitoring
Latitude: 42.85865
Longitude: -70.92848
Tank construct: Double-walled metal tank (cathodic protection required)
Pipe construct: Double-walled non-corrodible material (No corrosion protection required)
Ptype: Pressurized piping system with mechanical automatic line leak detection
Number of compartment: Not reported
Pipe install date: 06/01/1991
Pipe leak install date: Not reported
Submersible sump: Y
Submersible sump install date: Not reported
Turbine sump: Y
Turbine sump sensor: Y
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Automatic shut-off valve
Automatic line leak detect: Not reported
Tank corrosion type: Field Constructed Impressed Current System
Leak corrosion type: Not reported

Tank ID: 4
Tank Status: In Use
Status Date: Not reported
Date Installed: 06/01/1991
Capacity: 10000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Continuous Interstitial Space Monitoring
Latitude: 42.85869
Longitude: -70.9285
Tank construct: Double-walled metal tank (cathodic protection required)
Pipe construct: Double-walled non-corrodible material (No corrosion protection required)
Ptype: Pressurized piping system with mechanical automatic line leak detection
Number of compartment: Not reported
Pipe install date: 06/01/1991
Pipe leak install date: Not reported
Submersible sump: Y
Submersible sump install date: Not reported
Turbine sump: Y
Turbine sump sensor: Y
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Automatic shut-off valve
Automatic line leak detect: Not reported
Tank corrosion type: Field Constructed Impressed Current System
Leak corrosion type: Not reported

Tank ID: 5

A L PRIME ENERGY 140 AMESBURY (Continued) **U003000234**

Tank Status:	**In Use**
Status Date:	Not reported
Date Installed:	06/01/1991
Capacity:	10000
Contents:	Gasoline
Tank Usage:	Motor Vehi
Tank Leak Detection:	Continuous Interstitial Monitoring
Pipe Leak Detection:	Continuous Interstitial Space Monitoring
Latitude:	42.85865
Longitude:	-70.92851
Tank construct:	Double-walled metal tank (cathodic protection required)
Pipe construct:	Double-walled non-corrodible material (No corrosion protection required)
Ptype:	Pressurized piping system with mechanical automatic line leak detection
Number of compartment:	Not reported
Pipe install date:	06/01/1991
Pipe leak install date:	Not reported
Submersible sump:	Y
Submersible sump install date:	Not reported
Turbine sump:	Y
Turbine sump sensor:	Y
Intermediate sump:	N
Intermediate sump sensor:	N
Spill bucket installed date:	Not reported
Spill bucket sensor:	N
Overfill protect install:	Not reported
Overfill protect type:	Automatic shut-off valve
Automatic line leak detect:	Not reported
Tank corrosion type:	Field Constructed Impressed Current System
Leak corrosion type:	Not reported

Release:

Release Tracking Number/Current Status:	3-0002313 / RAO
Primary ID:	Not reported
Official City:	AMESBURY
Notification:	07/15/1993
Category:	NONE
Status Date:	05/13/1996
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type:	Oil

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

Actions:

Action Type:	TREGS
Action Status:	WAVSIG
Action Date:	1/18/1994
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	TREGS
Action Status:	WAVACC
Action Date:	1/25/1994
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

A L PRIME ENERGY 140 AMESBURY (Continued) **U003000234**

Action Type:	TREGS
Action Status:	WAVREC
Action Date:	10/1/1993
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	5/13/1996
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	7/15/1993
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:

Chemical:	VOCS
Quantity:	Not reported
Location Type:	GASSTATION
Source:	UST

MA Financial Assurance 2:

Facility Id:	145
Description:	Gas Station
Work Phone:	(781) 246-0201

D19 **NA NICHOLS CO NR CHESTNUT ST** **MA SHWS S109489547**
SSE **RAILROAD AVE** **MA RELEASE N/A**
1/4-1/2 **AMESBURY, MA 01913**
0.452 mi.
2386 ft. **Site 3 of 3 in cluster D**

Relative:
Lower

Actual:
16 ft.

SHWS:

Release Tracking Number/Current Status:	3-0015704 / RAO
Release Town:	AMESBURY
Notification Date:	11/10/1997
Category:	120 DY
Associated ID:	3-0015704
Current Status:	**Response Action Outcome**
Status Date:	12/04/2000
Phase:	PHASE II
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material:	Oil and Hazardous Material
Location Type:	INDUSTRIAL
Source:	UNKNOWN

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

Chemicals:

Chemical:	CHRYSENE
Quantity:	0.73 milligrams per kilogram

NA NICHOLS CO NR CHESTNUT ST (Continued) **S109489547**

Chemical:	TPH
Quantity:	8865 milligrams per kilogram
Chemical:	ARSENIC
Quantity:	22 milligrams per kilogram
Chemical:	CADMIUM
Quantity:	7.5 milligrams per kilogram
Chemical:	MERCURY
Quantity:	2.8 milligrams per kilogram
Chemical:	PCB
Quantity:	10.2 milligrams per kilogram
Chemical:	BENZO[A]ANTHRACENE
Quantity:	0.45 milligrams per kilogram
Chemical:	UNKNOWN CHEMICAL OF TYPE - OIL
Quantity:	Not reported
Chemical:	BENZO[B]FLUORANTHENE
Quantity:	0.83 milligrams per kilogram
Chemical:	INDENO(1,2,3-CD)PYRENE
Quantity:	0.49 milligrams per kilogram
Chemical:	BENZO[A]PYRENE
Quantity:	0.79 milligrams per kilogram
Chemical:	LEAD
Quantity:	1100 milligrams per kilogram
Chemical:	CHROMIUM
Quantity:	76 milligrams per kilogram
Chemical:	BENZO(K)FLUORANTHENE
Quantity:	0.59 milligrams per kilogram
Chemical:	BENZO[G,H,I]PERYLENE
Quantity:	0.47 milligrams per kilogram
Chemical:	BARIUM
Quantity:	340 milligrams per kilogram
Chemical:	FLUORANTHENE
Quantity:	1.1 milligrams per kilogram

Actions:

Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	1/13/1998
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	11/10/1997
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	Release Abatement Measure
Action Status:	Oral Approval of Plan or Action
Action Date:	11/10/1997
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	11/12/1997
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

NA NICHOLS CO NR CHESTNUT ST (Continued) **S109489547**

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 11/15/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 11/16/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/16/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 11/16/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 11/16/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: RFI
Action Date: 12/1/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 12/10/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/19/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/4/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Release Tracking Number/Current Status: 3-0015704 / RAO

NA NICHOLS CO NR CHESTNUT ST (Continued) **S109489547**

Primary ID:	3-0015704
Official City:	AMESBURY
Notification:	11/10/1997
Category:	120 DY
Status Date:	12/04/2000
Phase:	PHASE II
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type:	Oil and Hazardous Material

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

Actions:

Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	1/13/1998
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	11/10/1997
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Release Abatement Measure
Action Status:	Oral Approval of Plan or Action
Action Date:	11/10/1997
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	11/12/1997
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Response Action Outcome - RAO
Action Status:	Fee Received - FMCRA Use Only
Action Date:	11/15/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via Tier Classification Submittal
Action Date:	11/16/1998
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	11/16/1998
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Phase 1
Action Status:	Completion Statement Received

NA NICHOLS CO NR CHESTNUT ST (Continued) **S109489547**

Action Date: 11/16/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 11/16/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: RFI
Action Date: 12/1/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 12/10/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/19/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/4/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: CHRYSENE
Quantity: 0.73 milligrams per kilogram
Chemical: TPH
Quantity: 8865 milligrams per kilogram
Chemical: ARSENIC
Quantity: 22 milligrams per kilogram
Chemical: CADMIUM
Quantity: 7.5 milligrams per kilogram
Chemical: MERCURY
Quantity: 2.8 milligrams per kilogram
Chemical: PCB
Quantity: 10.2 milligrams per kilogram
Chemical: BENZO[A]ANTHRACENE
Quantity: 0.45 milligrams per kilogram
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Quantity: Not reported
Chemical: BENZO[B]FLUORANTHENE
Quantity: 0.83 milligrams per kilogram
Chemical: INDENO(1,2,3-CD)PYRENE
Quantity: 0.49 milligrams per kilogram
Chemical: BENZO[A]PYRENE
Quantity: 0.79 milligrams per kilogram

NA NICHOLS CO NR CHESTNUT ST (Continued) **S109489547**

Chemical:	LEAD
Quantity:	1100 milligrams per kilogram
Chemical:	CHROMIUM
Quantity:	76 milligrams per kilogram
Chemical:	BENZO(K)FLUORANTHENE
Quantity:	0.59 milligrams per kilogram
Chemical:	BENZO[G,H,I]PERYLENE
Quantity:	0.47 milligrams per kilogram
Chemical:	BARIUM
Quantity:	340 milligrams per kilogram
Chemical:	FLUORANTHENE
Quantity:	1.1 milligrams per kilogram
Location Type:	INDUSTRIAL
Source:	UNKNOWN

F20 **MILL YARD SITE** **MA SHWS** **S101856485**
South **MAIN ST HIGH ST** **MA RELEASE** **N/A**
1/4-1/2 **AMESBURY, MA 01913**
0.453 mi.
2393 ft. **Site 1 of 2 in cluster F**

Relative:
Lower

Actual:
49 ft.

SHWS:

Release Tracking Number/Current Status:	3-0000200 / DEPNFA
Release Town:	AMESBURY
Notification Date:	01/15/1987
Category:	NONE
Associated ID:	Not reported
Current Status:	**No Further Action (DEP Determined)**
Status Date:	07/23/1993
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Not reported

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

Chemicals:

Chemical:	UNKNOWN
Quantity:	Not reported

Actions:

Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	1/15/1987
Response Action Outcome:	Not reported
Action Type:	TREGS
Action Status:	DEPNFA
Action Date:	7/23/1993
Response Action Outcome:	Not reported
Action Type:	TREGS
Action Status:	REMSIT
Action Date:	7/23/1993
Response Action Outcome:	Not reported

MILL YARD SITE (Continued) **S101856485**

Release:
Release Tracking Number/Current Status: 3-0000200 / DEPNFA
Primary ID: Not reported
Official City: AMESBURY
Notification: 01/15/1987
Category: NONE
Status Date: 07/23/1993
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1987
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: DEPNFA
Action Date: 7/23/1993
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: REMSIT
Action Date: 7/23/1993
Response Action Outcome: Not reported

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

E21 **GONTHIER'S SERVICE STATION LLC** **MA SHWS** **U001004133**
SSE **60 ELM ST** **MA UST** **N/A**
1/4-1/2 **AMESBURY, MA 01913** **MA RELEASE**
0.466 mi. **MA Financial Assurance**
2461 ft. **Site 2 of 2 in cluster E**

Relative: Lower
Actual: 10 ft.

SHWS:
Release Tracking Number/Current Status: 3-0002092 / DEPNFA
Release Town: AMESBURY
Notification Date: 04/15/1989
Category: NONE
Associated ID: Not reported
Current Status: **No Further Action (DEP Determined)**
Status Date: 04/02/1996
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Not reported

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

Chemicals:
Chemical: UNKNOWN

GONTHIER'S SERVICE STATION LLC (Continued) **U001004133**

Quantity: Not reported

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 4/15/1989
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: DEPNFA
Action Date: 4/2/1996
Response Action Outcome: Not reported

UST:

Facility:
Facility ID: 152
Owner Id: 9592
Owner: GONTHIER'S SERVICE STATION LLC
Owner Address: 60 ELM ST
Owner City,St,Zip: AMESBURY, MA 01913
Telephone: Not reported
Description: Retail Motor Vehicle Fuel
Facility address 2: Not reported
Owner address 2: Not reported
Latitude: 42.85828
Longitude: -70.92813
Contact name: MICHAEL GONTHIER
Contact address1: Not reported
Contact address2: Not reported
Contact city: Not reported
Contact state: Not reported
Contact zip: Not reported
Contact email: Not reported
Update: 2009-05-15 00:00:00
Update by: Not reported
Fac status: CLOSED

Tank ID: 1
Tank Status: Tank Removed
Status Date: 03/02/1989
Date Installed: 05/07/1983
Capacity: 4000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N

GONTHIER'S SERVICE STATION LLC (Continued) **U001004133**

Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 2
Tank Status: Tank Removed
Status Date: 03/02/1989
Date Installed: 05/06/1970
Capacity: 4000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 3
Tank Status: Tank Removed
Status Date: 03/02/1989
Date Installed: 05/06/1970
Capacity: 4000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported

GONTHIER'S SERVICE STATION LLC (Continued) **U001004133**

Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 4
Tank Status: **Tank Removed**
Status Date: 03/02/1989
Date Installed: Not reported
Capacity: 500
Contents: Waste Oil
Tank Usage: Marina
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Latitude: Not reported
Longitude: Not reported
Tank construct: Not reported
Pipe construct: Not reported
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 5
Tank Status: **Tank Removed**
Status Date: 03/16/2009
Date Installed: 06/20/1989

GONTHIER'S SERVICE STATION LLC (Continued) **U001004133**

Capacity: 6000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Quarterly visual inspection and annual product line tightness test
Latitude: Not reported
Longitude: Not reported
Tank construct: Double-walled metal tank (cathodic protection required)
Pipe construct: Double walled metal (Corrosion protection required)
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 6
Tank Status: Tank Removed
Status Date: 03/16/2009
Date Installed: 06/20/1989
Capacity: 6000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Quarterly visual inspection and annual product line tightness test
Latitude: Not reported
Longitude: Not reported
Tank construct: Double-walled metal tank (cathodic protection required)
Pipe construct: Double walled metal (Corrosion protection required)
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported

GONTHIER'S SERVICE STATION LLC (Continued) **U001004133**

Leak corrosion type: Not reported

Tank ID: 7
Tank Status: **Tank Removed**
Status Date: 03/16/2009
Date Installed: 06/20/1989
Capacity: 500
Contents: Waste Oil
Tank Usage: Not reported
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Quarterly visual inspection and annual product line tightness test
Latitude: Not reported
Longitude: Not reported
Tank construct: Double-walled metal tank (cathodic protection required)
Pipe construct: Single-walled metal (Corrosion protection required)
Ptype: Not reported
Number of compartment: Not reported
Pipe install date: Not reported
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: N
Turbine sump sensor: N
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Not reported
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Release:
Release Tracking Number/Current Status: 3-0002092 / DEPNFA
Primary ID: Not reported
Official City: AMESBURY
Notification: 04/15/1989
Category: NONE
Status Date: 04/02/1996
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 4/15/1989
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: DEPNFA
Action Date: 4/2/1996

GONTHIER'S SERVICE STATION LLC (Continued) **U001004133**

Response Action Outcome: Not reported

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

MA Financial Assurance 2:
Facility Id: 152
Description: Gas Station
Work Phone: (978) 388-0199

G22 **FMR TRADER ALLENS TRUCK STOP** **MA SHWS S107678071**
South **21 POND VIEW AVE** **MA LUST N/A**
1/4-1/2 **AMESBURY, MA 01913** **MA RELEASE**
0.474 mi. **MA ENF**
2502 ft. **Site 1 of 3 in cluster G**

Relative: Higher
Actual: 80 ft.

SHWS:
Release Tracking Number/Current Status: 3-0025880 / TIERII
Release Town: AMESBURY
Notification Date: 05/12/2006
Category: 72 HR
Associated ID: Not reported
Current Status: **Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date: 05/14/2007
Phase: PHASE II
Response Action Outcome: -
Oil Or Haz Material: Oil
Location Type: COMMERCIAL
Source: LINE
Source: USTOTHER
Source: UST
Source: UNKNOWN
Source: TANK

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

Chemicals:
Chemical: DIESEL FUEL
Quantity: 224 parts per million
Chemical: DIESEL FUEL
Quantity: 244 parts per million

Actions:
Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/31/2007
Response Action Outcome: Not reported

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

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Date:	10/4/2013
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	11/7/2013
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	4/2/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	4/4/2014
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	4/9/2007
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	6/20/2006
Response Action Outcome:	Not reported

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	7/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	7/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	7/12/2007
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	8/23/2007
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	8/5/2013
Response Action Outcome:	Not reported
Release Tracking Number/Current Status:	3-0025880 / TIERII
Release Town:	AMESBURY
Notification Date:	05/12/2006
Category:	72 HR
Associated ID:	Not reported
Current Status:	**Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date:	05/14/2007
Phase:	PHASE II
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	LINE
Source:	USTOTHER
Source:	UST
Source:	UNKNOWN
Source:	TANK

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

Chemicals:

Chemical:	DIESEL FUEL
Quantity:	224 parts per million
Chemical:	DIESEL FUEL
Quantity:	244 parts per million

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Actions:

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	1/31/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	10/4/2013
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	11/7/2013
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	4/2/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	4/4/2014
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	4/9/2007
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Status:	Transmittal, Notice, or Notification Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	6/20/2006
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	7/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	7/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	7/12/2007
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	8/23/2007
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	8/5/2013
Response Action Outcome:	Not reported
Release Tracking Number/Current Status:	3-0025880 / TIERII
Release Town:	AMESBURY
Notification Date:	05/12/2006
Category:	72 HR
Associated ID:	Not reported
Current Status:	**Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date:	05/14/2007
Phase:	PHASE II
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	LINE
Source:	USTOTHER
Source:	UST
Source:	UNKNOWN
Source:	TANK

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

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

Chemicals:

Chemical:	DIESEL FUEL
Quantity:	224 parts per million
Chemical:	DIESEL FUEL
Quantity:	244 parts per million

Actions:

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	1/31/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	10/4/2013
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	11/7/2013
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	4/2/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	4/4/2014
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	4/9/2007
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	Phase 1

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Status:	Completion Statement Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	6/20/2006
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	7/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	7/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	7/12/2007
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	8/23/2007
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	8/5/2013
Response Action Outcome:	Not reported
Release Tracking Number/Current Status:	3-0025667 / TIERII
Release Town:	AMESBURY
Notification Date:	02/09/2006
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date:	02/09/2007

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Phase: PHASE II
Response Action Outcome: -
Oil Or Haz Material: Oil and Hazardous Material

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

Chemicals:
Chemical: 2-BUTANONE
Quantity: 0.79 milligrams per kilogram
Chemical: METHYLENE CHLORIDE
Quantity: 0.44 milligrams per kilogram
Chemical: NICKEL
Quantity: 125 micrograms per liter
Chemical: BENZO[A]ANTHRACENE
Quantity: 0.81 milligrams per kilogram
Chemical: HEXACHLOROBUTADIENE
Quantity: 3 micrograms per liter
Chemical: AROCLOR 1260
Quantity: 0.76 micrograms per liter
Chemical: BENZO[A]PYRENE
Quantity: 0.81 milligrams per kilogram
Chemical: ARSENIC
Quantity: 664 micrograms per liter
Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Quantity: 180 milligrams per kilogram
Chemical: BERYLLIUM
Quantity: 0.78 milligrams per kilogram
Chemical: BENZO[B]FLUORANTHENE
Quantity: 0.84 milligrams per kilogram

Actions:
Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 1/26/2010
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/9/2006
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 2/9/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 2/9/2007
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 2/9/2007
Response Action Outcome: Not reported

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	2/9/2007
Response Action Outcome:	Not reported

Release Tracking Number/Current Status:	3-0030391 / RAO
Release Town:	AMESBURY
Notification Date:	10/14/2011
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	11/14/2011
Phase:	Not reported
Response Action Outcome:	B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil Or Haz Material:	Hazardous Material

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

Chemicals:

Chemical:	ARSENIC
Quantity:	20.5 milligrams per kilogram
Chemical:	TOTAL CHROMIUM
Quantity:	58.9 milligrams per kilogram

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	10/14/2011
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	10/14/2011
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	10/14/2011
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	11/14/2011
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	Response Action Outcome - RAO
Action Status:	Level I - Technical Screen Audit
Action Date:	7/12/2012
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

LUST:

Facility:

Release Tracking Number/Current Status:	3-0025885 / TIERII
Status Date:	05/14/2007
Source Type:	UST
Release Town:	AMESBURY
Notification Date:	05/15/2006
Category:	72 HR
Associated ID:	Not reported
Phase:	PHASE II
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	UST

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

Chemicals:

Chemical:	GASOLINE
Quantity:	767 parts per million

Actions:

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	1/31/2007
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	4/2/2007
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	4/9/2007
Response Action Outcome:	Not reported
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Status:	Oral Approval of Plan or Action
Action Date:	5/15/2006
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	5/15/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	7/12/2006
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	7/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	7/12/2007
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	7/14/2006
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	8/23/2007
Response Action Outcome:	Not reported

Facility:

Release Tracking Number/Current Status:	3-0025880 / TIERII
Status Date:	05/14/2007
Source Type:	UST
Release Town:	AMESBURY
Notification Date:	05/12/2006
Category:	72 HR
Associated ID:	Not reported
Phase:	PHASE II
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	LINE
Source:	USTOTHER
Source:	UST
Source:	UNKNOWN
Source:	TANK

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

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Chemicals:
Chemical: DIESEL FUEL
Quantity: 224 parts per million
Chemical: DIESEL FUEL
Quantity: 244 parts per million

Actions:
Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/31/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/4/2013
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 11/7/2013
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/2/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/4/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/9/2007
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/20/2006
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 7/12/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/23/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/5/2013
Response Action Outcome: Not reported

Facility:
Release Tracking Number/Current Status: 3-0025880 / TIERII
Status Date: 05/14/2007
Source Type: USTOTHER
Release Town: AMESBURY
Notification Date: 05/12/2006
Category: 72 HR
Associated ID: Not reported
Phase: PHASE II
Response Action Outcome: -
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: LINE
Source: USTOTHER
Source: UST

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Source: UNKNOWN
Source: TANK

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

Chemicals:
Chemical: DIESEL FUEL
Quantity: 224 parts per million
Chemical: DIESEL FUEL
Quantity: 244 parts per million

Actions:
Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/31/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/4/2013
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 11/7/2013
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/2/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/4/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/9/2007
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 5/12/2006

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/20/2006
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 7/12/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/23/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/5/2013
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0025667 / TIERII
Primary ID: Not reported
Official City: AMESBURY
Notification: 02/09/2006
Category: 120 DY
Status Date: 02/09/2007
Phase: PHASE II
Response Action Outcome: -

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 1/26/2010
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/9/2006
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 2/9/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 2/9/2007
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 2/9/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/9/2007
Response Action Outcome: Not reported

Chemicals:

Chemical: 2-BUTANONE
Quantity: 0.79 milligrams per kilogram
Chemical: METHYLENE CHLORIDE
Quantity: 0.44 milligrams per kilogram
Chemical: NICKEL
Quantity: 125 micrograms per liter
Chemical: BENZO[A]ANTHRACENE
Quantity: 0.81 milligrams per kilogram
Chemical: HEXACHLOROBUTADIENE
Quantity: 3 micrograms per liter
Chemical: AROCLOR 1260
Quantity: 0.76 micrograms per liter
Chemical: BENZO[A]PYRENE
Quantity: 0.81 milligrams per kilogram
Chemical: ARSENIC
Quantity: 664 micrograms per liter
Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Quantity: 180 milligrams per kilogram
Chemical: BERYLLIUM
Quantity: 0.78 milligrams per kilogram

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Chemical: BENZO[B]FLUORANTHENE
Quantity: 0.84 milligrams per kilogram

Release Tracking Number/Current Status: 3-0025880 / TIERII
Primary ID: Not reported
Official City: AMESBURY
Notification: 05/12/2006
Category: 72 HR
Status Date: 05/14/2007
Phase: PHASE II
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/31/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/4/2013
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 11/7/2013
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/2/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/4/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/9/2007
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Status:	Oral Approval of Plan or Action
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	6/20/2006
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	7/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	7/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	7/12/2007
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	8/23/2007
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	8/5/2013
Response Action Outcome:	Not reported

Chemicals:

Chemical:	DIESEL FUEL
Quantity:	224 parts per million
Chemical:	DIESEL FUEL
Quantity:	244 parts per million
Location Type:	COMMERCIAL
Source:	LINE
Source:	USTOTHER

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Source: UST
Source: UNKNOWN
Source: TANK

Release Tracking Number/Current Status: 3-0025885 / TIERII
Primary ID: Not reported
Official City: AMESBURY
Notification: 05/15/2006
Category: 72 HR
Status Date: 05/14/2007
Phase: PHASE II
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/31/2007
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/2/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/9/2007
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 5/15/2006
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/15/2006
Response Action Outcome: Not reported

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	7/12/2006
Response Action Outcome:	Not reported

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	7/12/2006
Response Action Outcome:	Not reported

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	7/12/2007
Response Action Outcome:	Not reported

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	7/14/2006
Response Action Outcome:	Not reported

Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	8/23/2007
Response Action Outcome:	Not reported

Chemicals:

Chemical:	GASOLINE
Quantity:	767 parts per million
Location Type:	COMMERCIAL
Source:	UST

Release Tracking Number/Current Status:	3-0030391 / RAO
Primary ID:	Not reported
Official City:	AMESBURY
Notification:	10/14/2011
Category:	120 DY
Status Date:	11/14/2011
Phase:	Not reported
Response Action Outcome:	B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type:	Hazardous Material

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

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	10/14/2011
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	10/14/2011
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	10/14/2011
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	11/14/2011
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	Response Action Outcome - RAO
Action Status:	Level I - Technical Screen Audit
Action Date:	7/12/2012
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:

Chemical:	ARSENIC
Quantity:	20.5 milligrams per kilogram
Chemical:	TOTAL CHROMIUM
Quantity:	58.9 milligrams per kilogram

ENFORCEMENT:

Region:	NERO
DEP Region:	NERO
DEP Program:	3A
DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0025880
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Amesbury
Date Executed:	08/05/2013
ENF #:	NON-NE-13-3A032
Document Type:	NON
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Y
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Municipally Owned

G23 **FORMER TRADER ALAN'S TRUCK STOP** **US BROWNFIELDS** **1016348660**
South **21 POND VIEW AVENUE** **FINDS** **N/A**
1/4-1/2 **AMESBURY, MA 01913**
0.474 mi.
2502 ft. **Site 2 of 3 in cluster G**

Relative:
Higher

Actual:
80 ft.

US BROWNFIELDS:

Property Name:	FORMER TRADER ALAN'S TRUCK STOP
Recipient Name:	Merrimack Valley Planning Commission
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	7.7
Latitude:	42.83658
Longitude:	-70.936456
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	15221
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	75000
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	98192401
Start Date:	10/07/2005 00:00:00
Ownership Entity:	Government
Completion Date:	10/07/2005 00:00:00
Current Owner:	City of Amesbury
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

FORMER TRADER ALAN'S TRUCK STOP (Continued) **1016348660**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

FORMER TRADER ALAN'S TRUCK STOP (Continued) **1016348660**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Former Trader Alan's Truck Stop. No current use.
Below Poverty Number:	18
Below Poverty Percent:	5.1%
Meidan Income:	2233
Meidan Income Number:	19
Meidan Income Percent:	5.4%
Vacant Housing Number:	10
Vacant Housing Percent:	6.9%
Unemployed Number:	15
Unemployed Percent:	4.2%

Property Name:	FORMER TRADER ALAN'S TRUCK STOP
Recipient Name:	Merrimack Valley Planning Commission
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	7.7
Latitude:	42.83658
Longitude:	-70.936456
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	15221
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	5500
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum

FORMER TRADER ALAN'S TRUCK STOP (Continued) **1016348660**

Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	97156701
Start Date:	01/17/2007 00:00:00
Ownership Entity:	Government
Completion Date:	02/09/2007 00:00:00
Current Owner:	City of Amesbury
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported

FORMER TRADER ALAN'S TRUCK STOP (Continued) **1016348660**

Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Former Trader Alan's Truck Stop. No current use.
Below Poverty Number:	18
Below Poverty Percent:	5.1%
Meidan Income:	2233
Meidan Income Number:	19
Meidan Income Percent:	5.4%
Vacant Housing Number:	10
Vacant Housing Percent:	6.9%
Unemployed Number:	15
Unemployed Percent:	4.2%

FINDS:

Registry ID: 110038747032

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)

FORMER TRADER ALAN'S TRUCK STOP (Continued) **1016348660**

is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

24
SSW
1/4-1/2
0.485 mi.
2560 ft.

NO LOCATION AID
91 HIGH ST
AMESBURY, MA 01913

MA SHWS **S104942007**
MA RELEASE **N/A**
MA HW GEN

Relative:
Higher

Actual:
79 ft.

SHWS:

Release Tracking Number/Current Status:	3-0020490 / RAO
Release Town:	AMESBURY
Notification Date:	03/01/2001
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	03/01/2001
Phase:	Not reported
Response Action Outcome:	B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil Or Haz Material:	Hazardous Material

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

Chemicals:

Chemical:	TETRACHLOROETHYLENE
Quantity:	1.3 milligrams per kilogram

Actions:

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	3/1/2001
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	3/1/2001
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	3/1/2001
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	6/19/2001
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

NO LOCATION AID (Continued) **S104942007**

Action Type: Response Action Outcome - RAO
Action Status: Level III - Comprehensive Audit
Action Date: 6/22/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 6/22/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Level III - Comprehensive Audit
Action Date: 8/21/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 8/21/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 8/5/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Release:
Release Tracking Number/Current Status: 3-0020490 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 03/01/2001
Category: 120 DY
Status Date: 03/01/2001
Phase: Not reported
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/1/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 3/1/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No

NO LOCATION AID (Continued) **S104942007**

Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/1/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/19/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Level III - Comprehensive Audit
Action Date: 6/22/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 6/22/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Level III - Comprehensive Audit
Action Date: 8/21/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 8/21/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 8/5/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:
Chemical: TETRACHLOROETHYLENE
Quantity: 1.3 milligrams per kilogram

HW GEN:
EPA Id: MV9783887159
RCRA Generator Status: VSQG
State Generator Status: Not reported

EPA Id: MV9783887113
RCRA Generator Status: Not reported
State Generator Status: VQG-MA

G25 **NO LOCATION AID** **MA SHWS** **S105735947**
South **19 POND ST** **MA INST CONTROL** **N/A**
1/4-1/2 **AMESBURY, MA 01913** **MA RELEASE**
0.492 mi.
2599 ft. **Site 3 of 3 in cluster G**

Relative: Higher

Actual: 79 ft.

SHWS:

Release Tracking Number/Current Status:	3-0022389 / RAO
Release Town:	AMESBURY
Notification Date:	12/13/2002
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	11/13/2003
Phase:	Not reported
Response Action Outcome:	A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material:	Hazardous Material

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

Chemicals:

Chemical:	ASBESTOS
Quantity:	Not reported

Actions:

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	11/13/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type:	Response Action Outcome - RAO
Action Status:	Fee Received - FMCRA Use Only
Action Date:	11/13/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type:	Immediate Response Action
Action Status:	Completion Statement Received
Action Date:	12/11/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	12/13/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	12/13/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

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

NO LOCATION AID (Continued) **S105735947**

Action Date: 12/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/22/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number/Current Status: 3-0020783 / RAO
Release Town: AMESBURY
Notification Date: 05/07/2001
Category: 120 DY
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 03/13/2002
Phase: PHASE II
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material: Oil and Hazardous Material

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

Chemicals:
Chemical: LEAD
Quantity: 2040 milligrams per kilogram
Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Quantity: 222 milligrams per kilogram

Actions:
Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 10/24/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Action Status or AUL Terminated
Action Date: 10/31/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Revised Statement or Transmittal Received
Action Date: 10/31/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Confirmatory AUL received
Action Date: 2/17/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

NO LOCATION AID (Continued) **S105735947**

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 2/19/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 3/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 3/14/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 4/2/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/7/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 5/7/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 8/24/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 9/5/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

INST CONTROL:
Release Tracking Number: 3-0020783

NO LOCATION AID (Continued) **S105735947**

Action Type: AUL
Action Stat: CONFRM
Action Date: 02/17/2004
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number: 3-0020783
Action Type: AUL
Action Stat: LEGNOT
Action Date: 02/19/2004
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number: 3-0020783
Action Type: AUL
Action Stat: LEGNOT
Action Date: 03/14/2002
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number: 3-0020783
Action Type: AUL
Action Stat: LEGNOT
Action Date: 10/24/2003
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number: 3-0020783
Action Type: AUL
Action Stat: RECPT
Action Date: 03/13/2002
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number: 3-0020783
Action Type: AUL
Action Stat: TERMIN
Action Date: 10/31/2003
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release:
Release Tracking Number/Current Status: 3-0020783 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 05/07/2001
Category: 120 DY
Status Date: 03/13/2002
Phase: PHASE II
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:

NO LOCATION AID (Continued) **S105735947**

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 10/24/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Action Status or AUL Terminated
Action Date: 10/31/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Revised Statement or Transmittal Received
Action Date: 10/31/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Confirmatory AUL received
Action Date: 2/17/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 2/19/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 3/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 3/14/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 4/2/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/7/2001

NO LOCATION AID (Continued) **S105735947**

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 5/7/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 8/24/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 9/5/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: LEAD
Quantity: 2040 milligrams per kilogram
Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Quantity: 222 milligrams per kilogram

Release Tracking Number/Current Status: 3-0022389 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 12/13/2002
Category: TWO HR
Status Date: 11/13/2003
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 11/13/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 11/13/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 12/11/2003

NO LOCATION AID (Continued) **S105735947**

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 12/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 12/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/22/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: ASBESTOS
Quantity: Not reported

F26 **NO LOCATION AID** **MA SHWS S116756067**
SSE **5-29 WATER STREET** **MA LUST N/A**
1/4-1/2 **AMESBURY, MA 01913** **MA RELEASE**
0.493 mi.
2602 ft. **Site 2 of 2 in cluster F**

Relative:
Lower

Actual:
28 ft.

SHWS:
Release Tracking Number/Current Status: 3-0032310 / URAM
Release Town: AMESBURY
Notification Date: 08/04/2014
Category: 120 DY
Associated ID: Not reported
Current Status: **URAM**
Status Date: 08/11/2014
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil and Hazardous Material
Location Type: RIGHTOFWAY
Location Type: ROADWAY
Source: UST
Source: RTN'S
Source: 3-16715
Source: USTOTHER
Source: 3-19634

NO LOCATION AID (Continued) **S116756067**

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

Chemicals:

Chemical:	NAPHTHALENE
Quantity:	6.2 milligrams per kilogram
Chemical:	C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity:	660 milligrams per kilogram
Chemical:	LEAD
Quantity:	880 milligrams per kilogram

Actions:

Action Type:	BOL
Action Status:	SHPFAC
Action Date:	10/8/2014
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPTMP
Action Date:	10/8/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Completion Statement Received
Action Date:	12/2/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Notification of URAM Received
Action Date:	8/11/2014
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	8/12/2014
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	8/26/2014
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	8/4/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Notice of Intent to Conduct a URAM
Action Date:	8/4/2014
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	URAMLR
Action Date:	8/7/2014
Response Action Outcome:	Not reported

NO LOCATION AID (Continued) **S116756067**

Release Tracking Number/Current Status:	3-0032310 / URAM
Release Town:	AMESBURY
Notification Date:	08/04/2014
Category:	120 DY
Associated ID:	Not reported
Current Status:	**URAM**
Status Date:	08/11/2014
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil and Hazardous Material
Location Type:	RIGHTOFWAY
Location Type:	ROADWAY
Source:	UST
Source:	RTN'S
Source:	3-16715
Source:	USTOTHER
Source:	3-19634

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

Chemicals:

Chemical:	NAPHTHALENE
Quantity:	6.2 milligrams per kilogram
Chemical:	C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity:	660 milligrams per kilogram
Chemical:	LEAD
Quantity:	880 milligrams per kilogram

Actions:

Action Type:	BOL
Action Status:	SHPFAC
Action Date:	10/8/2014
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPTMP
Action Date:	10/8/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Completion Statement Received
Action Date:	12/2/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Notification of URAM Received
Action Date:	8/11/2014
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	8/12/2014
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received

NO LOCATION AID (Continued) **S116756067**

Action Date:	8/26/2014
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	8/4/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Notice of Intent to Conduct a URAM
Action Date:	8/4/2014
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	URAMLR
Action Date:	8/7/2014
Response Action Outcome:	Not reported
Release Tracking Number/Current Status:	3-0032310 / URAM
Release Town:	AMESBURY
Notification Date:	08/04/2014
Category:	120 DY
Associated ID:	Not reported
Current Status:	**URAM**
Status Date:	08/11/2014
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil and Hazardous Material
Location Type:	RIGHTOFWAY
Location Type:	ROADWAY
Source:	UST
Source:	RTN'S
Source:	3-16715
Source:	USTOTHER
Source:	3-19634

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

Chemicals:

Chemical:	NAPHTHALENE
Quantity:	6.2 milligrams per kilogram
Chemical:	C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity:	660 milligrams per kilogram
Chemical:	LEAD
Quantity:	880 milligrams per kilogram

Actions:

Action Type:	BOL
Action Status:	SHPFAC
Action Date:	10/8/2014
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPTMP
Action Date:	10/8/2014

NO LOCATION AID (Continued) **S116756067**

Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Completion Statement Received
Action Date: 12/2/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notification of URAM Received
Action Date: 8/11/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/12/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/26/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notice of Intent to Conduct a URAM
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: URAMLR
Action Date: 8/7/2014
Response Action Outcome: Not reported

LUST:

Facility:
Release Tracking Number/Current Status: 3-0032310 / URAM
Status Date: 08/11/2014
Source Type: UST
Release Town: AMESBURY
Notification Date: 08/04/2014
Category: 120 DY
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil and Hazardous Material

Location Type: RIGHTOFWAY
Location Type: ROADWAY
Source: UST
Source: RTN'S
Source: 3-16715

NO LOCATION AID (Continued) **S116756067**

Source: USTOTHER
Source: 3-19634

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

Chemicals:
Chemical: NAPHTHALENE
Quantity: 6.2 milligrams per kilogram
Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 660 milligrams per kilogram
Chemical: LEAD
Quantity: 880 milligrams per kilogram

Actions:
Action Type: BOL
Action Status: SHPFAC
Action Date: 10/8/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPTMP
Action Date: 10/8/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Completion Statement Received
Action Date: 12/2/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notification of URAM Received
Action Date: 8/11/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/12/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/26/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notice of Intent to Conduct a URAM
Action Date: 8/4/2014
Response Action Outcome: Not reported

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

NO LOCATION AID (Continued) **S116756067**

Action Status:	URAMLR
Action Date:	8/7/2014
Response Action Outcome:	Not reported

Facility:

Release Tracking Number/Current Status:	3-0032310 / URAM
Status Date:	08/11/2014
Source Type:	USTOTHER
Release Town:	AMESBURY
Notification Date:	08/04/2014
Category:	120 DY
Associated ID:	Not reported
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil and Hazardous Material
Location Type:	RIGHTOFWAY
Location Type:	ROADWAY
Source:	UST
Source:	RTN'S
Source:	3-16715
Source:	USTOTHER
Source:	3-19634

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

Chemicals:

Chemical:	NAPHTHALENE
Quantity:	6.2 milligrams per kilogram
Chemical:	C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity:	660 milligrams per kilogram
Chemical:	LEAD
Quantity:	880 milligrams per kilogram

Actions:

Action Type:	BOL
Action Status:	SHPFAC
Action Date:	10/8/2014
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPTMP
Action Date:	10/8/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Completion Statement Received
Action Date:	12/2/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Notification of URAM Received
Action Date:	8/11/2014
Response Action Outcome:	Not reported

NO LOCATION AID (Continued) **S116756067**

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/12/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/26/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notice of Intent to Conduct a URAM
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: URAMLR
Action Date: 8/7/2014
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0032310 / URAM
Primary ID: Not reported
Official City: AMESBURY
Notification: 08/04/2014
Category: 120 DY
Status Date: 08/11/2014
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: BOL
Action Status: SHPFAC
Action Date: 10/8/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPTMP
Action Date: 10/8/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Completion Statement Received
Action Date: 12/2/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure

NO LOCATION AID (Continued) **S116756067**

Action Status: Notification of URAM Received
Action Date: 8/11/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/12/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/26/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notice of Intent to Conduct a URAM
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: URAMLR
Action Date: 8/7/2014
Response Action Outcome: Not reported

Chemicals:
Chemical: NAPHTHALENE
Quantity: 6.2 milligrams per kilogram
Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 660 milligrams per kilogram
Chemical: LEAD
Quantity: 880 milligrams per kilogram
Location Type: RIGHTOFWAY
Location Type: ROADWAY
Source: UST
Source: RTN'S
Source: 3-16715
Source: USTOTHER
Source: 3-19634

27
South
1/4-1/2
0.494 mi.
2609 ft.

NO LOCATION AID **MA SHWS** **S102087712**
36 MAIN ST **MA INST CONTROL** **N/A**
AMESBURY, MA 01913 **MA RELEASE**

Relative:
Lower

Actual:
51 ft.

SHWS:
Release Tracking Number/Current Status: 3-0013943 / RAO
Release Town: AMESBURY
Notification Date: 06/25/1996
Category: 120 DY
Associated ID: Not reported
Current Status: **Response Action Outcome**

NO LOCATION AID (Continued) **S102087712**

Status Date: 06/25/1997
Phase: Not reported
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil Or Haz Material: Oil and Hazardous Material

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

Chemicals:
Chemical: ARSENIC
Quantity: 30 milligrams per kilogram
Chemical: OIL
Quantity: 3300 milligrams per kilogram

Actions:
Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 1/11/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 5/10/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Level II - Audit Inspection
Action Date: 5/27/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received
Action Date: 6/11/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Amendment Received or Issued
Action Date: 6/11/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Action Status or AUL Terminated
Action Date: 6/14/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Revised Statement or Transmittal Received
Action Date: 6/14/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

NO LOCATION AID (Continued) **S102087712**

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/25/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/25/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/25/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 6/25/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 6/27/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 6/9/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 7/28/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/29/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

INST CONTROL:
Release Tracking Number: 3-0013943
Action Type: AUL
Action Stat: AMEND
Action Date: 06/11/2002
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.

NO LOCATION AID (Continued) **S102087712**

Release Tracking Number: 3-0013943
Action Type: AUL
Action Stat: LEGNOT
Action Date: 06/09/2004
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.

Release Tracking Number: 3-0013943
Action Type: AUL
Action Stat: RECPT
Action Date: 06/25/1997
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.

Release Tracking Number: 3-0013943
Action Type: AUL
Action Stat: TERMIN
Action Date: 06/14/2004
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.

Release:
Release Tracking Number/Current Status: 3-0013943 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 06/25/1996
Category: 120 DY
Status Date: 06/25/1997
Phase: Not reported
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 1/11/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 5/10/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Level II - Audit Inspection
Action Date: 5/27/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received

NO LOCATION AID (Continued) **S102087712**

Action Date: 6/11/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Amendment Received or Issued
Action Date: 6/11/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Action Status or AUL Terminated
Action Date: 6/14/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Revised Statement or Transmittal Received
Action Date: 6/14/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/25/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/25/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/25/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 6/25/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 6/27/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 6/9/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

NO LOCATION AID (Continued) **S102087712**

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 7/28/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/29/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:
Chemical: ARSENIC
Quantity: 30 milligrams per kilogram
Chemical: OIL
Quantity: 3300 milligrams per kilogram

H28 **PROPOSED AMESBURY TRANSPORTATION CENTER** **MA SHWS** **S110479604**
SSE **68 ELM ST AND 18 WATER ST** **MA INST CONTROL** **N/A**
1/4-1/2 **AMESBURY, MA 01913** **MA RELEASE**
0.497 mi. **MA ASBESTOS**
2622 ft. **Site 1 of 3 in cluster H**

Relative:
Lower

Actual:
14 ft.

SHWS:
Release Tracking Number/Current Status: 3-0029372 / RAO
Release Town: AMESBURY
Notification Date: 07/19/2010
Category: 120 DY
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 07/19/2013
Phase: PHASE II
Response Action Outcome: A4 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.
Oil Or Haz Material: Oil and Hazardous Material
Location Type: UNKNOWN
Source: UNKNOWN

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

Chemicals:
Chemical: 2-METHYLNAPHTHALENE
Quantity: 73.8 milligrams per kilogram
Chemical: MERCURY
Quantity: 56 milligrams per kilogram
Chemical: NICKEL
Quantity: 75 milligrams per kilogram
Chemical: BENZO[A]ANTHRACENE
Quantity: 96.9 milligrams per kilogram
Chemical: CADMIUM
Quantity: 7.2 milligrams per kilogram
Chemical: CHRYSENE
Quantity: 88.4 milligrams per kilogram

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

Chemical:	INDENO(1,2,3-CD)PYRENE
Quantity:	19.9 milligrams per kilogram
Chemical:	C11 THRU C22 AROMATIC HYDROCARBONS
Quantity:	3950 milligrams per kilogram
Chemical:	1,2-DICHLOROETHENE
Quantity:	0.31 milligrams per kilogram
Chemical:	PHENANTHRENE
Quantity:	721 milligrams per kilogram
Chemical:	AROCLOR 1254
Quantity:	7.02 milligrams per kilogram
Chemical:	DIBENZO[A,H]ANTHRACENE
Quantity:	0.84 milligrams per kilogram
Chemical:	LEAD
Quantity:	12000 milligrams per kilogram
Chemical:	ACENAPHTHENE
Quantity:	140 milligrams per kilogram
Chemical:	ARSENIC
Quantity:	110 milligrams per kilogram
Chemical:	CHROMIUM
Quantity:	38 milligrams per kilogram
Chemical:	NAPHTHALENE
Quantity:	118 milligrams per kilogram
Chemical:	BENZO[B]FLUORANTHENE
Quantity:	43.2 milligrams per kilogram
Chemical:	BENZO[A]PYRENE
Quantity:	47.6 milligrams per kilogram
Chemical:	TRICHLOROETHENE
Quantity:	4.5 milligrams per kilogram

Actions:

Action Type:	Release Abatement Measure
Action Status:	Completion Statement Received
Action Date:	1/14/2013
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type:	Release Abatement Measure
Action Status:	Status or Interim Report Received
Action Date:	1/26/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type:	Release Abatement Measure
Action Status:	Status or Interim Report Received
Action Date:	10/15/2012
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type:	Release Abatement Measure
Action Status:	Modified Revised or Updated Plan Received
Action Date:	10/15/2012
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 10/16/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/21/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: NOTSHP
Action Date: 10/27/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: SHPFAC
Action Date: 11/10/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: SHPFAC
Action Date: 11/23/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: SHPFAC
Action Date: 11/7/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 2/21/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 3/23/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/23/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/25/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 3/26/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/23/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 5/11/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

evaluation has determined that it is not feasible to reduce it.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/19/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/19/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 7/19/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 7/19/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/19/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 7/19/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/19/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/19/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: RNFE
Action Status: Revised Statement or Transmittal Received
Action Date: 7/20/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/20/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 7/20/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 7/20/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 7/21/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/2/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

Action Status: Legal Notice Published
Action Date: 8/2/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/26/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 8/5/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 9/16/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 9/22/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only
Action Date: 9/22/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 9/23/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

Action Date: 9/27/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

INST CONTROL:
Release Tracking Number: 3-0029372
Action Type: AUL
Action Stat: LEGNOT
Action Date: 08/05/2013
Response Action Outcome: A4 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Release Tracking Number: 3-0029372
Action Type: AUL
Action Stat: RECPT
Action Date: 07/19/2013
Response Action Outcome: A4 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Release:
Release Tracking Number/Current Status: 3-0029372 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 07/19/2010
Category: 120 DY
Status Date: 07/19/2013
Phase: PHASE II
Response Action Outcome: A4 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 1/14/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 1/26/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 10/15/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 10/15/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 10/16/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/21/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: NOTSHP
Action Date: 10/27/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: SHPFAC
Action Date: 11/10/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: SHPFAC
Action Date: 11/23/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: SHPFAC
Action Date: 11/7/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 2/21/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 3/23/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/23/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/25/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 3/26/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/23/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 5/11/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/19/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/19/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 7/19/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 7/19/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/19/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 2

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

Action Status: Scope of Work Received
Action Date: 7/19/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/19/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/19/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: RNFE
Action Status: Revised Statement or Transmittal Received
Action Date: 7/20/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/20/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 7/20/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 7/20/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

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

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

Action Date: 7/21/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/2/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 8/2/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/26/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 8/5/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 9/16/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 9/22/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only
Action Date: 9/22/2010

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 9/23/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 9/27/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Chemicals:
Chemical: 2-METHYLNAPHTHALENE
Quantity: 73.8 milligrams per kilogram
Chemical: MERCURY
Quantity: 56 milligrams per kilogram
Chemical: NICKEL
Quantity: 75 milligrams per kilogram
Chemical: BENZO[A]ANTHRACENE
Quantity: 96.9 milligrams per kilogram
Chemical: CADMIUM
Quantity: 7.2 milligrams per kilogram
Chemical: CHRYSENE
Quantity: 88.4 milligrams per kilogram
Chemical: INDENO(1,2,3-CD)PYRENE
Quantity: 19.9 milligrams per kilogram
Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Quantity: 3950 milligrams per kilogram
Chemical: 1,2-DICHLOROETHENE
Quantity: 0.31 milligrams per kilogram
Chemical: PHENANTHRENE
Quantity: 721 milligrams per kilogram
Chemical: AROCLOR 1254
Quantity: 7.02 milligrams per kilogram
Chemical: DIBENZO[A,H]ANTHRACENE
Quantity: 0.84 milligrams per kilogram
Chemical: LEAD
Quantity: 12000 milligrams per kilogram
Chemical: ACENAPHTHENE
Quantity: 140 milligrams per kilogram
Chemical: ARSENIC
Quantity: 110 milligrams per kilogram
Chemical: CHROMIUM
Quantity: 38 milligrams per kilogram
Chemical: NAPHTHALENE
Quantity: 118 milligrams per kilogram
Chemical: BENZO[B]FLUORANTHENE

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

Quantity:	43.2 milligrams per kilogram
Chemical:	BENZO[A]PYRENE
Quantity:	47.6 milligrams per kilogram
Chemical:	TRICHLOROETHENE
Quantity:	4.5 milligrams per kilogram
Location Type:	UNKNOWN
Source:	UNKNOWN

ASBESTOS:

Notification:	100112341
DEP Region:	NE
Notifiers Name:	PASK LLC
Start Date:	09/13/2010
End Date:	10/20/2010
Date Entered:	10/09/2010
Entry Date:	09/10/2010
Quantity Materical Removed SF:	20207
Quantity Material Removed LF:	Not reported
Project Description:	ROOF FLOOR
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported

PROPOSED AMESBURY TRANSPORTATION CENTER (Continued) **S110479604**

Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported

I29 **37 FRIEND STREET REALTY TRUST** **MA SHWS** **S100828047**
South **37 FRIEND ST** **MA RELEASE** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA ENF**
0.511 mi.
2697 ft. **Site 1 of 2 in cluster I**

Relative:
Higher

Actual:
81 ft.

SHWS:

Release Tracking Number/Current Status:	3-0002855 / RAO
Release Town:	AMESBURY
Notification Date:	01/15/1990
Category:	NONE
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	04/26/2006
Phase:	PHASE II
Response Action Outcome:	A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	DRYWELL

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

Chemicals:

Chemical:	VOCS
Quantity:	Not reported

Actions:

Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	1/15/1990
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	1/19/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	1/25/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	1/26/2006

37 FRIEND STREET REALTY TRUST (Continued) **S100828047**

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 4/26/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/26/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release:
Release Tracking Number/Current Status: 3-0002855 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 01/15/1990
Category: NONE
Status Date: 04/26/2006
Phase: PHASE II
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1990
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 1/19/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/25/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 1/26/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO

37 FRIEND STREET REALTY TRUST (Continued) **S100828047**

Action Status: RAO Statement Received
Action Date: 4/26/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/26/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: VOCS
Quantity: Not reported
Location Type: COMMERCIAL
Source: DRYWELL

ENFORCEMENT:
Region: NERO
DEP Region: NERO
DEP Program: 3R
DEP Bureau: BWSC
Program: Not reported
Program Id: 3-0002855
High Or Low Level Enforcement: LLE
FMF #: Not reported
Comptroller Billing Name: Not reported
Town Where Violation Occurred: Not reported
Date Executed: 01/26/2006
ENF #: NON-NE-05-3R095
Document Type: NON
AG Ref (Y/N): Not reported
Doc Archived (Y/N): Not reported
EJ Community (Y/N): Not reported
Regional Comment: Not reported
Final Payment Due Date: Not reported
ACOP $: Not reported
PAN $: Not reported
EMS (Y/N): Not reported
EMS$: Not reported
SEP (Y/N): Not reported
SEP $: Not reported
Demand $: Not reported
Suspended $: Not reported
Ownership: Commercially Owned

H30 **NEAR CHESTNUT ST** **MA SHWS** **S103546339**
SSE **RAILROAD AVE** **MA RELEASE** **N/A**
1/2-1 **AMESBURY, MA 01913**
0.516 mi.
2722 ft. **Site 2 of 3 in cluster H**

Relative: **Lower**
Actual: **22 ft.**

SHWS:
Release Tracking Number/Current Status: 3-0017600 / RAONR
Release Town: AMESBURY
Notification Date: 11/16/1998
Category: 120 DY

NEAR CHESTNUT ST (Continued) **S103546339**

Associated ID:	Not reported
Current Status:	**Response Action Outcome Not Required**
Status Date:	11/17/1998
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material

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

Chemicals:

Chemical:	ZINC
Quantity:	7370 milligrams per kilogram
Chemical:	VINYL CHLORIDE
Quantity:	4 micrograms per liter

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	11/16/1998
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via Tier Classification Submittal
Action Date:	11/16/1998
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	11/16/1998
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	11/16/1998
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	11/16/1998
Response Action Outcome:	Not reported
Action Type:	RAO Not Required
Action Status:	Linked to a Tier Classified Site
Action Date:	11/17/1998
Response Action Outcome:	Not reported

Release:

Release Tracking Number/Current Status:	3-0017600 / RAONR
Primary ID:	Not reported
Official City:	AMESBURY
Notification:	11/16/1998
Category:	120 DY
Status Date:	11/17/1998
Phase:	Not reported
Response Action Outcome:	-

NEAR CHESTNUT ST (Continued) **S103546339**

Oil / Haz Material Type: Hazardous Material

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

Actions:

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 11/16/1998
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 11/16/1998
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/16/1998
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 11/16/1998
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 11/16/1998
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 11/17/1998
Response Action Outcome: Not reported

Chemicals:

Chemical: ZINC
Quantity: 7370 milligrams per kilogram
Chemical: VINYL CHLORIDE
Quantity: 4 micrograms per liter

H31 **NA NICHOLS MONITORING WELL GW 2** **MA SHWS** **S103811825**
SSE **RAILROAD AVE** **MA RELEASE** **N/A**
1/2-1 **AMESBURY, MA 01913**
0.516 mi.
2722 ft. **Site 3 of 3 in cluster H**

Relative:
Lower

Actual:
22 ft.

SHWS:

Release Tracking Number/Current Status: 3-0016882 / RAONR
Release Town: AMESBURY
Notification Date: 06/04/1998
Category: 72 HR
Associated ID: Not reported
Current Status: **Response Action Outcome Not Required**
Status Date: 11/17/1998
Phase: Not reported
Response Action Outcome: -

NA NICHOLS MONITORING WELL GW 2 (Continued) **S103811825**

Oil Or Haz Material: Oil
Location Type: COMMERCIAL
Source: UNKNOWN

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

Chemicals:
Chemical: OIL
Quantity: 33 inches
Chemical: PETROLEUM
Quantity: 24 inches

Actions:
Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/12/1999
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 10/9/1998
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/9/1998
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 11/15/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/16/1998
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 11/16/1998
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 11/16/1998
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 11/17/1998
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/6/2000

NA NICHOLS MONITORING WELL GW 2 (Continued) **S103811825**

Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/8/1999
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/4/1998
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/4/1998
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/22/1998
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/31/1998
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/31/1998
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRAN
Action Date: 9/4/1998
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0016882 / RAONR
Primary ID: Not reported
Official City: AMESBURY
Notification: 06/04/1998
Category: 72 HR
Status Date: 11/17/1998
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/12/1999
Response Action Outcome: Not reported

NA NICHOLS MONITORING WELL GW 2 (Continued) **S103811825**

Action Type:	Immediate Response Action
Action Status:	Modified Revised or Updated Plan Received
Action Date:	10/9/1998
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	10/9/1998
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Completion Statement Received
Action Date:	11/15/2000
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	11/16/1998
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	11/16/1998
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via Tier Classification Submittal
Action Date:	11/16/1998
Response Action Outcome:	Not reported
Action Type:	RAO Not Required
Action Status:	Linked to a Tier Classified Site
Action Date:	11/17/1998
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	4/6/2000
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	4/8/1999
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	6/4/1998
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	6/4/1998
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.

NA NICHOLS MONITORING WELL GW 2 (Continued) **S103811825**

Action Date: 7/22/1998
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/31/1998
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/31/1998
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRAN
Action Date: 9/4/1998
Response Action Outcome: Not reported

Chemicals:
Chemical: OIL
Quantity: 33 inches
Chemical: PETROLEUM
Quantity: 24 inches
Location Type: COMMERCIAL
Source: UNKNOWN

---

32 NE 1/2-1 0.534 mi. 2817 ft.

RESIDENCE
1 STACEY LANE
AMESBURY, MA 01913

MA SHWS **S111277291**
MA LAST **N/A**
MA RELEASE

Relative: Higher

Actual: 103 ft.

SHWS:
Release Tracking Number/Current Status: 3-0030205 / RAO
Release Town: AMESBURY
Notification Date: 08/06/2011
Category: TWO HR
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 12/09/2011
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material: Oil
Location Type: RESIDNTIAL
Source: PIPE
Source: AST

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

Chemicals:
Chemical: #2 FUEL OIL
Quantity: 50 gallons

Actions:
Action Type: RLFA

RESIDENCE (Continued) **S111277291**

Action Status: FLDRAN
Action Date: 10/11/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/11/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 10/24/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/3/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/4/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 10/7/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BOL
Action Status: SHPFAC
Action Date: 12/9/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 12/9/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

RESIDENCE (Continued) **S111277291**

reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/9/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/22/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/24/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 9/19/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA

RESIDENCE (Continued) **S111277291**

Action Status: FOLOFF
Action Date: 9/22/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 9/28/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 9/28/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

LAST:
Release Tracking Number/Current Status: 3-0030205 / RAO
Source Type: AST
Release Town: AMESBURY
Notification Date: 08/06/2011
Category: TWO HR
Associated ID: Not reported
Status Date: 12/09/2011
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material: Oil

Chemicals:
Chemical: #2 FUEL OIL
Quantity: 50 gallons
Location Type: RESIDNTIAL
Source: PIPE
Source: AST

Actions:
Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/11/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/11/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 10/24/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BOL

RESIDENCE (Continued) **S111277291**

Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/3/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/4/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 10/7/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BOL
Action Status: SHPFAC
Action Date: 12/9/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 12/9/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/9/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/22/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/24/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

RESIDENCE (Continued) **S111277291**

reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 9/19/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/22/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 9/28/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 9/28/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

RESIDENCE (Continued) **S111277291**

Release:

Release Tracking Number/Current Status:	3-0030205 / RAO
Primary ID:	Not reported
Official City:	AMESBURY
Notification:	08/06/2011
Category:	TWO HR
Status Date:	12/09/2011
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type:	Oil

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

Actions:

Action Type:	RLFA
Action Status:	FLDRAN
Action Date:	10/11/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	10/11/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	Immediate Response Action
Action Status:	Written Approval of Plan
Action Date:	10/24/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	10/3/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	RLFA
Action Status:	FLDRAN
Action Date:	10/4/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	10/7/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	12/8/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

RESIDENCE (Continued) **S111277291**

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: BOL
Action Status: SHPFAC
Action Date: 12/9/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 12/9/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/9/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/22/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/24/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 8/6/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 8/6/2011

RESIDENCE (Continued) **S111277291**

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

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 9/19/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/22/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 9/28/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLFLD
Action Date: 9/28/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: #2 FUEL OIL
Quantity: 50 gallons
Location Type: RESIDNTIAL
Source: PIPE
Source: AST

I33 **TEDS TEXACO FMR** **MA SHWS S105199424**
South **46-50 52-54 FRIEND ST** **MA RELEASE N/A**
1/2-1 **AMESBURY, MA 01913**
0.534 mi.
2818 ft. **Site 2 of 2 in cluster I**

Relative:
Higher

Actual:
81 ft.

SHWS:
Release Tracking Number/Current Status: 3-0001792 / RAO
Release Town: AMESBURY
Notification Date: 01/15/1989
Category: NONE
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 08/11/1997
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Not reported

TEDS TEXACO FMR (Continued) **S105199424**

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

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1989
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: RAOEQ
Action Date: 8/11/1997
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0001792 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 01/15/1989
Category: NONE
Status Date: 08/11/1997
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1989
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: RAOEQ
Action Date: 8/11/1997
Response Action Outcome: Not reported

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

J34 **PARKING LOT** **MA SHWS** **S117405676**
SSE **16 WATER STREET** **MA RELEASE** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA ENF**
0.556 mi.
2937 ft. **Site 1 of 3 in cluster J**

Relative:
Lower

Actual:
14 ft.

SHWS:

Release Tracking Number/Current Status:	3-0032568 / TIER1D
Release Town:	AMESBURY
Notification Date:	12/09/2014
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Tier 1D, a release where the responsible party fails to provide a required submittal to DEP by a specified deadline.**
Status Date:	12/16/2015
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil and Hazardous Material
Source:	UNKNOWN

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

Chemicals:

Chemical:	C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity:	220 milligrams per kilogram
Chemical:	2-METHYLNAPHTHALENE
Quantity:	7.1 milligrams per kilogram
Chemical:	C9 THRU C10 AROMATIC HYDROCARBONS
Quantity:	310 milligrams per kilogram
Chemical:	NAPHTHALENE
Quantity:	11 milligrams per kilogram
Chemical:	LEAD
Quantity:	660 milligrams per kilogram

Actions:

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	10/5/2015
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	12/26/2014
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	12/9/2014
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	12/9/2014
Response Action Outcome:	Not reported
Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	12/9/2014

PARKING LOT (Continued) **S117405676**

Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Enforcement Conference
Action Date: 2/2/2018
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: ACOP
Action Date: 4/10/2018
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 6/29/2017
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0032568 / TIER1D
Primary ID: Not reported
Official City: AMESBURY
Notification: 12/09/2014
Category: 120 DY
Status Date: 12/16/2015
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 10/5/2015
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 12/26/2014
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/9/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 12/9/2014
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/9/2014
Response Action Outcome: Not reported

PARKING LOT (Continued) **S117405676**

Action Type: Compliance and Enforcement Action
Action Status: Notice of Enforcement Conference
Action Date: 2/2/2018
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: ACOP
Action Date: 4/10/2018
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 6/29/2017
Response Action Outcome: Not reported

Chemicals:
Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 220 milligrams per kilogram
Chemical: 2-METHYLNAPHTHALENE
Quantity: 7.1 milligrams per kilogram
Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Quantity: 310 milligrams per kilogram
Chemical: NAPHTHALENE
Quantity: 11 milligrams per kilogram
Chemical: LEAD
Quantity: 660 milligrams per kilogram
Source: UNKNOWN

ENFORCEMENT:
Region: NERO
DEP Region: NERO
DEP Program: 3r
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0032568
High Or Low Level Enforcement: HLE
FMF #: Not reported
Comptroller Billing Name: Not reported
Town Where Violation Occurred: AMESBURY
Date Executed: 04/10/2018
ENF #: 00003918
Document Type: ACOP
AG Ref (Y/N): False
Doc Archived (Y/N): True
EJ Community (Y/N): False
Regional Comment: Not reported
Final Payment Due Date: 05/10/2018
ACOP $: 1000
PAN $: Not reported
EMS (Y/N): Not reported
EMS$: Not reported
SEP (Y/N): Not reported
SEP $: Not reported
Demand $: Not reported
Suspended $: 29000
Ownership: Municipally Owned

PARKING LOT (Continued) **S117405676**

Region:	NERO
DEP Region:	NERO
DEP Program:	3r
DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0032568
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	AMESBURY
Date Executed:	06/29/2017
ENF #:	00002695
Document Type:	NON
AG Ref (Y/N):	False
Doc Archived (Y/N):	True
EJ Community (Y/N):	False
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Municipally Owned

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35 **NEAR MELROSE ST** **MA SHWS** **S102086677**
ESE **47 CONGRESS ST** **MA INST CONTROL** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA RELEASE**
0.573 mi.
3027 ft.

Relative:
Lower

Actual:
25 ft.

SHWS:

Release Tracking Number/Current Status:	3-0012469 / RAO
Release Town:	AMESBURY
Notification Date:	05/11/1995
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	01/12/1998
Phase:	PHASE II
Response Action Outcome:	A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil Or Haz Material:	Hazardous Material

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

Chemicals:

Chemical:	KEROSENE
Quantity:	2760 parts per million

Actions:

Action Type:	Activity and Use Limitation
Action Status:	Transmittal, Notice, or Notification Received

NEAR MELROSE ST (Continued) **S102086677**

Action Date: 1/12/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 1/12/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received
Action Date: 10/18/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 11/22/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 11/3/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 11/3/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 12/11/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Partial RAO for this RTN
Action Status: RAO Statement Received
Action Date: 3/15/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Partial RAO for this RTN
Action Status: Fee Received - FMCRA Use Only
Action Date: 3/15/1996

NEAR MELROSE ST (Continued) **S102086677**

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 3/15/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 5/10/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 5/10/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/10/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/11/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 5/11/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 5/24/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 5/31/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

NEAR MELROSE ST (Continued) **S102086677**

reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 6/30/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Amendment Received or Issued
Action Date: 6/6/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 7/14/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only
Action Date: 7/5/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

INST CONTROL:
Release Tracking Number: 3-0012469
Action Type: AUL
Action Stat: AMEND
Action Date: 06/06/2002
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release Tracking Number: 3-0012469
Action Type: AUL
Action Stat: LEGNOT
Action Date: 05/31/2002
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release Tracking Number: 3-0012469
Action Type: AUL
Action Stat: RECPT
Action Date: 01/12/1998
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

NEAR MELROSE ST (Continued) **S102086677**

Release Tracking Number: 3-0012469
Action Type: AUL
Action Stat: SNAUDI
Action Date: 11/03/2006
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release:
Release Tracking Number/Current Status: 3-0012469 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 05/11/1995
Category: 120 DY
Status Date: 01/12/1998
Phase: PHASE II
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/12/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 1/12/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received
Action Date: 10/18/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 11/22/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 11/3/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

NEAR MELROSE ST (Continued) **S102086677**

reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 11/3/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 12/11/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Partial RAO for this RTN
Action Status: RAO Statement Received
Action Date: 3/15/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Partial RAO for this RTN
Action Status: Fee Received - FMCRA Use Only
Action Date: 3/15/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 3/15/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 5/10/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 5/10/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/10/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has

NEAR MELROSE ST (Continued) **S102086677**

been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/11/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 5/11/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 5/24/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 5/31/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 6/30/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Amendment Received or Issued
Action Date: 6/6/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 7/14/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only
Action Date: 7/5/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

NEAR MELROSE ST (Continued) **S102086677**

Chemicals:
Chemical: KEROSENE
Quantity: 2760 parts per million

K36 **NO LOCATION AID** **MA SHWS** **S110822261**
South **33 MILL STREET** **MA BROWNFIELDS** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA RELEASE**
0.581 mi. **MA ENF**
3066 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
20 ft.

SHWS:
Release Tracking Number/Current Status: 3-0029912 / TIERII
Release Town: AMESBURY
Notification Date: 03/30/2011
Category: 120 DY
Associated ID: 3-0029912
Current Status: **Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date: 12/22/2011
Phase: PHASE III
Response Action Outcome: -
Oil Or Haz Material: Oil and Hazardous Material

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

Chemicals:
Chemical: 2-METHYLNAPHTHALENE
Quantity: 65.3 milligrams per kilogram
Chemical: PHENANTHRENE
Quantity: 109 milligrams per kilogram
Chemical: TOLUENE
Quantity: 233 milligrams per kilogram
Chemical: ACENAPHTHENE
Quantity: 9.1 milligrams per kilogram
Chemical: BENZO[B]FLUORANTHENE
Quantity: 17.2 milligrams per kilogram
Chemical: NAPHTHALENE
Quantity: 1070 milligrams per kilogram
Chemical: ACENAPHTHYLENE
Quantity: 65.3 milligrams per kilogram
Chemical: BENZO[A]ANTHRACENE
Quantity: 22.4 milligrams per kilogram
Chemical: BENZO[A]PYRENE
Quantity: 19.4 milligrams per kilogram
Chemical: ARSENIC
Quantity: 45.7 milligrams per kilogram
Chemical: CHROMIUM
Quantity: 41.5 milligrams per kilogram
Chemical: DIBENZ[A,H]ANTHRACENE
Quantity: 0.894 milligrams per kilogram
Chemical: TPH
Quantity: 5610 milligrams per kilogram

NO LOCATION AID (Continued) **S110822261**

Chemical: NICKEL
Quantity: 26.7 milligrams per kilogram
Chemical: TPH
Quantity: 12.5 milligrams per liter
Chemical: BENZENE
Quantity: 41.5 milligrams per kilogram
Chemical: 2,4-DIMETHYLPHENOL
Quantity: 3.62 milligrams per kilogram
Chemical: STYRENE
Quantity: 102 milligrams per kilogram
Chemical: LEAD
Quantity: 0.014 milligrams per liter

Actions:

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 1/25/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 1/6/2012
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 12/17/2013
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 12/17/2013
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 12/27/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/22/2016
Response Action Outcome: Not reported

NO LOCATION AID (Continued) **S110822261**

Action Type: FTLI
Action Status: APPREC
Action Date: 3/10/2015
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 3/23/2017
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/30/2011
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/30/2011
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/30/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 3/7/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/23/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/26/2011
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/28/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 4/3/2015
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 4/4/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC

NO LOCATION AID (Continued) **S110822261**

Action Date: 5/1/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/14/2014
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 9/26/2016
Response Action Outcome: Not reported

Release Tracking Number/Current Status: 3-0030292 / RAONR
Release Town: AMESBURY
Notification Date: 09/13/2011
Category: TWO HR
Associated ID: Not reported
Current Status: **Response Action Outcome Not Required**
Status Date: 01/25/2012
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Hazardous Material
Location Type: VACANT
Location Type: LOT
Source: HISTORICL

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

Chemicals:
Chemical: ARSENIC
Quantity: 363 milligrams per kilogram

Actions:
Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 1/19/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 1/25/2012
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 1/25/2012
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/29/2015
Response Action Outcome: Not reported

Action Type: Tier Classification

NO LOCATION AID (Continued) **S110822261**

Action Status: Legal Notice Published
Action Date: 1/6/2012
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 10/21/2011
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/5/2011
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/5/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 11/8/2011
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDD1U
Action Date: 11/8/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 11/8/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 12/12/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 12/27/2011
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 12/3/2014

NO LOCATION AID (Continued) **S110822261**

Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead
Action Status: IRA Assessment Only
Action Date: 12/3/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Revised Statement or Transmittal Received
Action Date: 2/17/2012
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 2/17/2012
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/22/2016
Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit
Action Status: Notice of Non-compliance related to an Audit
Action Date: 3/20/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Submittal Determined to be Invalid by DEP
Action Date: 3/20/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 3/23/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 3/7/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/23/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/28/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 4/4/2017
Response Action Outcome: Not reported

NO LOCATION AID (Continued) **S110822261**

Action Type:	FTLI
Action Status:	APPACC
Action Date:	5/1/2014
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	6/12/2014
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	6/9/2014
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	7/14/2014
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	DEPRET
Action Date:	7/14/2014
Response Action Outcome:	Not reported
Action Type:	An activity type that is related to an Audit
Action Status:	DEPRET
Action Date:	7/14/2014
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action - DEP Lead
Action Status:	IRA Assessment Only
Action Date:	8/19/2014
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action - DEP Lead
Action Status:	Work Started
Action Date:	8/19/2014
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FLDDO
Action Date:	8/19/2014
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action - DEP Lead
Action Status:	IRA Assessment Only
Action Date:	8/20/2014
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FLDDO
Action Date:	8/20/2014
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E

NO LOCATION AID (Continued) **S110822261**

Action Date: 9/13/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 9/13/2011
Response Action Outcome: Not reported

BROWNFIELDS 2:
RTN: 3-0029912
RAO Class: Not reported
Other RTNs: 3-0030292
Current Owner: 33 Mill Street Llc
MCP Status: TIER 2
AUL: Not reported
COCs: petroleum, SVOCs, metals, coal tar
Former Use: Manufactured Gas Plant
Current Use: Vacant
Total Acreage: 0.39

Release:
Release Tracking Number/Current Status: 3-0029912 / TIERII
Primary ID: 3-0029912
Official City: AMESBURY
Notification: 03/30/2011
Category: 120 DY
Status Date: 12/22/2011
Phase: PHASE III
Response Action Outcome: -
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 1/25/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 1/6/2012
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 12/17/2013
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 12/17/2013
Response Action Outcome: Not reported

Action Type: Phase 1

NO LOCATION AID (Continued) **S110822261**

Action Status: Completion Statement Received
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 12/27/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/22/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 3/10/2015
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 3/23/2017
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/30/2011
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/30/2011
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/30/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 3/7/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/23/2014

NO LOCATION AID (Continued) **S110822261**

Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/26/2011
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/28/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 4/3/2015
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 4/4/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 5/1/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/14/2014
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 9/26/2016
Response Action Outcome: Not reported

Chemicals:
Chemical: 2-METHYLNAPHTHALENE
Quantity: 65.3 milligrams per kilogram
Chemical: PHENANTHRENE
Quantity: 109 milligrams per kilogram
Chemical: TOLUENE
Quantity: 233 milligrams per kilogram
Chemical: ACENAPHTHENE
Quantity: 9.1 milligrams per kilogram
Chemical: BENZO[B]FLUORANTHENE
Quantity: 17.2 milligrams per kilogram
Chemical: NAPHTHALENE
Quantity: 1070 milligrams per kilogram
Chemical: ACENAPHTHYLENE
Quantity: 65.3 milligrams per kilogram
Chemical: BENZO[A]ANTHRACENE
Quantity: 22.4 milligrams per kilogram
Chemical: BENZO[A]PYRENE
Quantity: 19.4 milligrams per kilogram
Chemical: ARSENIC

NO LOCATION AID (Continued) **S110822261**

Quantity:	45.7 milligrams per kilogram
Chemical:	CHROMIUM
Quantity:	41.5 milligrams per kilogram
Chemical:	DIBENZ[A,H]ANTHRACENE
Quantity:	0.894 milligrams per kilogram
Chemical:	TPH
Quantity:	5610 milligrams per kilogram
Chemical:	NICKEL
Quantity:	26.7 milligrams per kilogram
Chemical:	TPH
Quantity:	12.5 milligrams per liter
Chemical:	BENZENE
Quantity:	41.5 milligrams per kilogram
Chemical:	2,4-DIMETHYLPHENOL
Quantity:	3.62 milligrams per kilogram
Chemical:	STYRENE
Quantity:	102 milligrams per kilogram
Chemical:	LEAD
Quantity:	0.014 milligrams per liter

Release Tracking Number/Current Status:	3-0030292 / RAONR
Primary ID:	Not reported
Official City:	AMESBURY
Notification:	09/13/2011
Category:	TWO HR
Status Date:	01/25/2012
Phase:	Not reported
Response Action Outcome:	-
Oil / Haz Material Type:	Hazardous Material

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

Actions:

Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	1/19/2012
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via Tier Classification Submittal
Action Date:	1/25/2012
Response Action Outcome:	Not reported

Action Type:	RAO Not Required
Action Status:	Linked to a Tier Classified Site
Action Date:	1/25/2012
Response Action Outcome:	Not reported

Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	1/29/2015
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	1/6/2012
Response Action Outcome:	Not reported

NO LOCATION AID (Continued) **S110822261**

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 10/21/2011
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/5/2011
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/5/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 11/8/2011
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDD1U
Action Date: 11/8/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 11/8/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 12/12/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 12/27/2011
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 12/3/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead
Action Status: IRA Assessment Only

NO LOCATION AID (Continued) **S110822261**

Action Date: 12/3/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Revised Statement or Transmittal Received
Action Date: 2/17/2012
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 2/17/2012
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/22/2016
Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit
Action Status: Notice of Non-compliance related to an Audit
Action Date: 3/20/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Submittal Determined to be Invalid by DEP
Action Date: 3/20/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 3/23/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 3/7/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/23/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/28/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 4/4/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 5/1/2014
Response Action Outcome: Not reported

NO LOCATION AID (Continued) **S110822261**

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/12/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/9/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/14/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: DEPRET
Action Date: 7/14/2014
Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit
Action Status: DEPRET
Action Date: 7/14/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead
Action Status: IRA Assessment Only
Action Date: 8/19/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead
Action Status: Work Started
Action Date: 8/19/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDDO
Action Date: 8/19/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead
Action Status: IRA Assessment Only
Action Date: 8/20/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDDO
Action Date: 8/20/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/13/2011
Response Action Outcome: Not reported

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

NO LOCATION AID (Continued) **S110822261**

Action Date: 9/13/2011
Response Action Outcome: Not reported

Chemicals:
Chemical: ARSENIC
Quantity: 363 milligrams per kilogram
Location Type: VACANT
Location Type: LOT
Source: HISTORICL

ENFORCEMENT:
Region: NERO
DEP Region: NERO
DEP Program: 3R
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0030292
High Or Low Level Enforcement: LLE
FMF #: Not reported
Comptroller Billing Name: Not reported
Town Where Violation Occurred: Amesbury
Date Executed: 03/20/2014
ENF #: NON-NE-14-3R022
Document Type: NON
AG Ref (Y/N): Not reported
Doc Archived (Y/N): Not reported
EJ Community (Y/N): Y
Regional Comment: Not reported
Final Payment Due Date: Not reported
ACOP $: Not reported
PAN $: Not reported
EMS (Y/N): Not reported
EMS$: Not reported
SEP (Y/N): Not reported
SEP $: Not reported
Demand $: Not reported
Suspended $: Not reported
Ownership: Commercially Owned

K37 **ABUTTING SUBSTATION** **MA SHWS** **S100828048**
South **MILL ST** **MA INST CONTROL** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA RELEASE**
0.596 mi.
3149 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
16 ft.

SHWS:
Release Tracking Number/Current Status: 3-0014817 / RAO
Release Town: AMESBURY
Notification Date: 12/26/1996
Category: 120 DY
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 12/26/1997
Phase: Not reported
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

ABUTTING SUBSTATION (Continued) **S100828048**

Oil Or Haz Material: Oil and Hazardous Material

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

Chemicals:
Chemical: ARSENIC
Quantity: 63 milligrams per kilogram
Chemical: OIL
Quantity: 1000 milligrams per kilogram

Actions:
Action Type: RLFA
Action Status: FLDD1U
Action Date: 11/2/2006
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 11/2/2006
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 11/22/2006
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 12/26/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/26/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/26/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/26/1997

ABUTTING SUBSTATION (Continued) **S100828048**

Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 12/30/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/7/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 7/14/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 7/17/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 7/17/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 8/5/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

INST CONTROL:
Release Tracking Number: 3-0014817
Action Type: AUL
Action Stat: RECPT
Action Date: 12/26/1997
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Release Tracking Number: 3-0014817

ABUTTING SUBSTATION (Continued) **S100828048**

Action Type: AUL
Action Stat: SNAUDI
Action Date: 11/02/2006
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Release:
Release Tracking Number/Current Status: 3-0014817 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 12/26/1996
Category: 120 DY
Status Date: 12/26/1997
Phase: Not reported
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: RLFA
Action Status: FLDD1U
Action Date: 11/2/2006
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 11/2/2006
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 11/22/2006
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 12/26/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/26/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more

ABUTTING SUBSTATION (Continued) **S100828048**

AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/26/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/26/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 12/30/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/7/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 7/14/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 7/17/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 7/17/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 8/5/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

ABUTTING SUBSTATION (Continued) **S100828048**

Chemicals:
Chemical: ARSENIC
Quantity: 63 milligrams per kilogram
Chemical: OIL
Quantity: 1000 milligrams per kilogram

J38 **TOWN OF AMESBURY** **MA SHWS** **S103249938**
SSE **27 WATER ST** **MA LUST** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA BROWNFIELDS**
0.598 mi. **MA RELEASE**
3159 ft. **Site 2 of 3 in cluster J**

Relative: Lower
Actual: 12 ft.

SHWS:
Release Tracking Number/Current Status: 3-0016715 / RAO
Release Town: AMESBURY
Notification Date: 04/21/1998
Category: 72 HR
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 06/23/2006
Phase: PHASE IV
Response Action Outcome: C1 - C1
Oil Or Haz Material: Oil and Hazardous Material
Location Type: MUNICIPAL
Source: TANK
Source: UST

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

Chemicals:
Chemical: AROMATIC HYDROCARBONS C9 THRU C10
Quantity: 180 milligrams per kilogram
Chemical: NAPHTHALENE
Quantity: 13 milligrams per kilogram
Chemical: DIESEL FUEL
Quantity: 350 parts per million
Chemical: FUEL OIL
Quantity: 350 parts per million

Actions:
Action Type: Response Action Outcome - RAO
Action Status: Periodic Review Opinion Evaluating Temp Solution
Action Date: 11/18/2013
Response Action Outcome: C1

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 11/20/2015
Response Action Outcome: C1

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 12/10/1998
Response Action Outcome: C1

Action Type: Immediate Response Action

TOWN OF AMESBURY (Continued) **S103249938**

Action Status:	Status or Interim Report Received
Action Date:	3/23/1999
Response Action Outcome:	C1
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	4/21/1998
Response Action Outcome:	C1
Action Type:	Immediate Response Action
Action Status:	IRA Assessment Only
Action Date:	4/21/1998
Response Action Outcome:	C1
Action Type:	Phase 2
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	4/27/2001
Response Action Outcome:	C1
Action Type:	Release Abatement Measure
Action Status:	Written Plan Received
Action Date:	5/13/2015
Response Action Outcome:	C1
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	5/28/1999
Response Action Outcome:	C1
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	5/28/1999
Response Action Outcome:	C1
Action Type:	Immediate Response Action
Action Status:	Completion Statement Received
Action Date:	5/28/1999
Response Action Outcome:	C1
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	5/28/1999
Response Action Outcome:	C1
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	5/29/1998
Response Action Outcome:	C1
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	5/29/1998
Response Action Outcome:	C1
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	6/11/2015

TOWN OF AMESBURY (Continued) **S103249938**

Response Action Outcome: C1

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 6/23/2006
Response Action Outcome: C1

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 6/23/2006
Response Action Outcome: C1

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/25/1998
Response Action Outcome: C1

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 6/28/2005
Response Action Outcome: C1

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/24/1998
Response Action Outcome: C1

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 7/25/2005
Response Action Outcome: C1

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/9/1998
Response Action Outcome: C1

Action Type: Compliance and Enforcement Action
Action Status: NON-A
Action Date: 8/23/2005
Response Action Outcome: C1

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/6/2015
Response Action Outcome: C1

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 9/18/2001
Response Action Outcome: C1

LUST:

Facility:
Release Tracking Number/Current Status: 3-0016715 / RAO

TOWN OF AMESBURY (Continued) **S103249938**

Status Date:	06/23/2006
Source Type:	UST
Release Town:	AMESBURY
Notification Date:	04/21/1998
Category:	72 HR
Associated ID:	Not reported
Phase:	PHASE IV
Response Action Outcome:	C1 - C1
Oil Or Haz Material:	Oil and Hazardous Material
Location Type:	MUNICIPAL
Source:	TANK
Source:	UST

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

Chemicals:

Chemical:	AROMATIC HYDROCARBONS C9 THRU C10
Quantity:	180 milligrams per kilogram
Chemical:	NAPHTHALENE
Quantity:	13 milligrams per kilogram
Chemical:	DIESEL FUEL
Quantity:	350 parts per million
Chemical:	FUEL OIL
Quantity:	350 parts per million

Actions:

Action Type:	Response Action Outcome - RAO
Action Status:	Periodic Review Opinion Evaluating Temp Solution
Action Date:	11/18/2013
Response Action Outcome:	C1
Action Type:	Release Abatement Measure
Action Status:	Completion Statement Received
Action Date:	11/20/2015
Response Action Outcome:	C1
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	12/10/1998
Response Action Outcome:	C1
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	3/23/1999
Response Action Outcome:	C1
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	4/21/1998
Response Action Outcome:	C1
Action Type:	Immediate Response Action
Action Status:	IRA Assessment Only
Action Date:	4/21/1998

TOWN OF AMESBURY (Continued) **S103249938**

Response Action Outcome: C1

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 4/27/2001
Response Action Outcome: C1

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 5/13/2015
Response Action Outcome: C1

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 5/28/1999
Response Action Outcome: C1

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/28/1999
Response Action Outcome: C1

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/28/1999
Response Action Outcome: C1

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 5/28/1999
Response Action Outcome: C1

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 5/29/1998
Response Action Outcome: C1

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 5/29/1998
Response Action Outcome: C1

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/11/2015
Response Action Outcome: C1

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 6/23/2006
Response Action Outcome: C1

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 6/23/2006
Response Action Outcome: C1

TOWN OF AMESBURY (Continued) **S103249938**

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/25/1998
Response Action Outcome: C1

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 6/28/2005
Response Action Outcome: C1

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/24/1998
Response Action Outcome: C1

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 7/25/2005
Response Action Outcome: C1

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/9/1998
Response Action Outcome: C1

Action Type: Compliance and Enforcement Action
Action Status: NON-A
Action Date: 8/23/2005
Response Action Outcome: C1

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/6/2015
Response Action Outcome: C1

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 9/18/2001
Response Action Outcome: C1

BROWNFIELDS 2:
RTN: 3-0016715
RAO Class: C1
Other RTNs: Not reported
Current Owner: City of Amesbury
MCP Status: RAO
AUL: Not reported
COCs: Petroleum
Former Use: Municipal
Current Use: Proposed Heritage Park & Realigned Water St.
Total Acreage: 0.59

Release:
Release Tracking Number/Current Status: 3-0016715 / RAO
Primary ID: Not reported

TOWN OF AMESBURY (Continued) **S103249938**

Official City: AMESBURY
Notification: 04/21/1998
Category: 72 HR
Status Date: 06/23/2006
Phase: PHASE IV
Response Action Outcome: C1 - C1
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:

Action Type: Response Action Outcome - RAO
Action Status: Periodic Review Opinion Evaluating Temp Solution
Action Date: 11/18/2013
Response Action Outcome: C1

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 11/20/2015
Response Action Outcome: C1

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 12/10/1998
Response Action Outcome: C1

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/23/1999
Response Action Outcome: C1

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/21/1998
Response Action Outcome: C1

Action Type: Immediate Response Action
Action Status: IRA Assessment Only
Action Date: 4/21/1998
Response Action Outcome: C1

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 4/27/2001
Response Action Outcome: C1

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 5/13/2015
Response Action Outcome: C1

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 5/28/1999
Response Action Outcome: C1

Action Type: Tier Classification

TOWN OF AMESBURY (Continued) **S103249938**

Action Status:	Transmittal, Notice, or Notification Received
Action Date:	5/28/1999
Response Action Outcome:	C1
Action Type:	Immediate Response Action
Action Status:	Completion Statement Received
Action Date:	5/28/1999
Response Action Outcome:	C1
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	5/28/1999
Response Action Outcome:	C1
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	5/29/1998
Response Action Outcome:	C1
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	5/29/1998
Response Action Outcome:	C1
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	6/11/2015
Response Action Outcome:	C1
Action Type:	Phase 3
Action Status:	Completion Statement Received
Action Date:	6/23/2006
Response Action Outcome:	C1
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	6/23/2006
Response Action Outcome:	C1
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	6/25/1998
Response Action Outcome:	C1
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	6/28/2005
Response Action Outcome:	C1
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	7/24/1998
Response Action Outcome:	C1
Action Type:	Tier Classification
Action Status:	Tier 2 Extension
Action Date:	7/25/2005

TOWN OF AMESBURY (Continued) **S103249938**

Response Action Outcome: C1

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/9/1998
Response Action Outcome: C1

Action Type: Compliance and Enforcement Action
Action Status: NON-A
Action Date: 8/23/2005
Response Action Outcome: C1

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/6/2015
Response Action Outcome: C1

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 9/18/2001
Response Action Outcome: C1

Chemicals:
Chemical: AROMATIC HYDROCARBONS C9 THRU C10
Quantity: 180 milligrams per kilogram
Chemical: NAPHTHALENE
Quantity: 13 milligrams per kilogram
Chemical: DIESEL FUEL
Quantity: 350 parts per million
Chemical: FUEL OIL
Quantity: 350 parts per million
Location Type: MUNICIPAL
Source: TANK
Source: UST

J39 **NO LOCATION AID** **MA SHWS** **S117405695**
SSE **27-31 WATER STREET** **MA LUST** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA RELEASE**
0.598 mi.
3159 ft. **Site 3 of 3 in cluster J**

Relative:
Lower

Actual:
12 ft.

SHWS:
Release Tracking Number/Current Status: 3-0032608 / URAM
Release Town: AMESBURY
Notification Date: 12/05/2014
Category: 120 DY
Associated ID: Not reported
Current Status: **URAM**
Status Date: 12/12/2014
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Hazardous Material
Location Type: MUNICIPAL
Location Type: RIGHTOFWAY
Location Type: ROADWAY
Source: 3-16715
Source: RTNS

NO LOCATION AID (Continued) **S117405695**

Source: 3-19634
Source: 3-32310
Source: UST
Source: TANK

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

Chemicals:
Chemical: ZINC
Quantity: 4300 milligrams per kilogram
Chemical: LEAD
Quantity: 360 milligrams per kilogram
Chemical: BENZENE
Quantity: 3.83 milligrams per kilogram

Actions:
Action Type: Utility-related Abatement Measure
Action Status: Notification of URAM Received
Action Date: 12/12/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notice of Intent to Conduct a URAM
Action Date: 12/5/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 12/5/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: URAMLR
Action Date: 12/9/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 4/10/2015
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/21/2015
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 6/23/2015
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 6/25/2015
Response Action Outcome: Not reported

NO LOCATION AID (Continued) **S117405695**

Action Type:	Utility-related Abatement Measure
Action Status:	Completion Statement Received
Action Date:	8/21/2015
Response Action Outcome:	Not reported

Release Tracking Number/Current Status:	3-0032608 / URAM
Release Town:	AMESBURY
Notification Date:	12/05/2014
Category:	120 DY
Associated ID:	Not reported
Current Status:	**URAM**
Status Date:	12/12/2014
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material
Location Type:	MUNICIPAL
Location Type:	RIGHTOFWAY
Location Type:	ROADWAY
Source:	3-16715
Source:	RTNS
Source:	3-19634
Source:	3-32310
Source:	UST
Source:	TANK

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

Chemicals:

Chemical:	ZINC
Quantity:	4300 milligrams per kilogram
Chemical:	LEAD
Quantity:	360 milligrams per kilogram
Chemical:	BENZENE
Quantity:	3.83 milligrams per kilogram

Actions:

Action Type:	Utility-related Abatement Measure
Action Status:	Notification of URAM Received
Action Date:	12/12/2014
Response Action Outcome:	Not reported

Action Type:	Utility-related Abatement Measure
Action Status:	Notice of Intent to Conduct a URAM
Action Date:	12/5/2014
Response Action Outcome:	Not reported

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	12/5/2014
Response Action Outcome:	Not reported

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	URAMLR
Action Date:	12/9/2014
Response Action Outcome:	Not reported

NO LOCATION AID (Continued) **S117405695**

Action Type:	Utility-related Abatement Measure
Action Status:	Status or Interim Report Received
Action Date:	4/10/2015
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	5/21/2015
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	6/23/2015
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	6/25/2015
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Completion Statement Received
Action Date:	8/21/2015
Response Action Outcome:	Not reported
Release Tracking Number/Current Status:	3-0032608 / URAM
Release Town:	AMESBURY
Notification Date:	12/05/2014
Category:	120 DY
Associated ID:	Not reported
Current Status:	**URAM**
Status Date:	12/12/2014
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material
Location Type:	MUNICIPAL
Location Type:	RIGHTOFWAY
Location Type:	ROADWAY
Source:	3-16715
Source:	RTNS
Source:	3-19634
Source:	3-32310
Source:	UST
Source:	TANK

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

Chemicals:

Chemical:	ZINC
Quantity:	4300 milligrams per kilogram
Chemical:	LEAD
Quantity:	360 milligrams per kilogram
Chemical:	BENZENE
Quantity:	3.83 milligrams per kilogram

NO LOCATION AID (Continued) **S117405695**

Actions:

Action Type:	Utility-related Abatement Measure
Action Status:	Notification of URAM Received
Action Date:	12/12/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Notice of Intent to Conduct a URAM
Action Date:	12/5/2014
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	12/5/2014
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	URAMLR
Action Date:	12/9/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Status or Interim Report Received
Action Date:	4/10/2015
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	5/21/2015
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	6/23/2015
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	6/25/2015
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Completion Statement Received
Action Date:	8/21/2015
Response Action Outcome:	Not reported

Release Tracking Number/Current Status:	3-0032608 / URAM
Release Town:	AMESBURY
Notification Date:	12/05/2014
Category:	120 DY
Associated ID:	Not reported
Current Status:	**URAM**
Status Date:	12/12/2014
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material

NO LOCATION AID (Continued) **S117405695**

Location Type:	MUNICIPAL
Location Type:	RIGHTOFWAY
Location Type:	ROADWAY
Source:	3-16715
Source:	RTNS
Source:	3-19634
Source:	3-32310
Source:	UST
Source:	TANK

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

Chemicals:

Chemical:	ZINC
Quantity:	4300 milligrams per kilogram
Chemical:	LEAD
Quantity:	360 milligrams per kilogram
Chemical:	BENZENE
Quantity:	3.83 milligrams per kilogram

Actions:

Action Type:	Utility-related Abatement Measure
Action Status:	Notification of URAM Received
Action Date:	12/12/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Notice of Intent to Conduct a URAM
Action Date:	12/5/2014
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	12/5/2014
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	URAMLR
Action Date:	12/9/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Status or Interim Report Received
Action Date:	4/10/2015
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	5/21/2015
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	6/23/2015
Response Action Outcome:	Not reported

NO LOCATION AID (Continued) **S117405695**

Action Type:	BOL
Action Status:	SHPFAC
Action Date:	6/25/2015
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Completion Statement Received
Action Date:	8/21/2015
Response Action Outcome:	Not reported
Release Tracking Number/Current Status:	3-0032608 / URAM
Release Town:	AMESBURY
Notification Date:	12/05/2014
Category:	120 DY
Associated ID:	Not reported
Current Status:	**URAM**
Status Date:	12/12/2014
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material
Location Type:	MUNICIPAL
Location Type:	RIGHTOFWAY
Location Type:	ROADWAY
Source:	3-16715
Source:	RTNS
Source:	3-19634
Source:	3-32310
Source:	UST
Source:	TANK

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

Chemicals:

Chemical:	ZINC
Quantity:	4300 milligrams per kilogram
Chemical:	LEAD
Quantity:	360 milligrams per kilogram
Chemical:	BENZENE
Quantity:	3.83 milligrams per kilogram

Actions:

Action Type:	Utility-related Abatement Measure
Action Status:	Notification of URAM Received
Action Date:	12/12/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Notice of Intent to Conduct a URAM
Action Date:	12/5/2014
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	12/5/2014
Response Action Outcome:	Not reported

NO LOCATION AID (Continued) **S117405695**

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: URAMLR
Action Date: 12/9/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 4/10/2015
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/21/2015
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 6/23/2015
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 6/25/2015
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Completion Statement Received
Action Date: 8/21/2015
Response Action Outcome: Not reported

LUST:

Facility:
Release Tracking Number/Current Status: 3-0032608 / URAM
Status Date: 12/12/2014
Source Type: UST
Release Town: AMESBURY
Notification Date: 12/05/2014
Category: 120 DY
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Hazardous Material

Location Type: MUNICIPAL
Location Type: RIGHTOFWAY
Location Type: ROADWAY
Source: 3-16715
Source: RTNS
Source: 3-19634
Source: 3-32310
Source: UST
Source: TANK

NO LOCATION AID (Continued) **S117405695**

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

Chemicals:

Chemical:	ZINC
Quantity:	4300 milligrams per kilogram
Chemical:	LEAD
Quantity:	360 milligrams per kilogram
Chemical:	BENZENE
Quantity:	3.83 milligrams per kilogram

Actions:

Action Type:	Utility-related Abatement Measure
Action Status:	Notification of URAM Received
Action Date:	12/12/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Notice of Intent to Conduct a URAM
Action Date:	12/5/2014
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	12/5/2014
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	URAMLR
Action Date:	12/9/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Status or Interim Report Received
Action Date:	4/10/2015
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	5/21/2015
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	6/23/2015
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	6/25/2015
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Completion Statement Received
Action Date:	8/21/2015
Response Action Outcome:	Not reported

NO LOCATION AID (Continued) **S117405695**

Release:
Release Tracking Number/Current Status: 3-0032608 / URAM
Primary ID: Not reported
Official City: AMESBURY
Notification: 12/05/2014
Category: 120 DY
Status Date: 12/12/2014
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Utility-related Abatement Measure
Action Status: Notification of URAM Received
Action Date: 12/12/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notice of Intent to Conduct a URAM
Action Date: 12/5/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 12/5/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: URAMLR
Action Date: 12/9/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 4/10/2015
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/21/2015
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 6/23/2015
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 6/25/2015
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Completion Statement Received

NO LOCATION AID (Continued) **S117405695**

Action Date: 8/21/2015
Response Action Outcome: Not reported

Chemicals:
Chemical: ZINC
Quantity: 4300 milligrams per kilogram
Chemical: LEAD
Quantity: 360 milligrams per kilogram
Chemical: BENZENE
Quantity: 3.83 milligrams per kilogram
Location Type: MUNICIPAL
Location Type: RIGHTOFWAY
Location Type: ROADWAY
Source: 3-16715
Source: RTNS
Source: 3-19634
Source: 3-32310
Source: UST
Source: TANK

L40 **NO LOCATION AID** **MA SHWS** **S116358063**
SSE **22 WATER STREET** **MA BROWNFIELDS** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA RELEASE**
0.600 mi.
3170 ft. **Site 1 of 4 in cluster L**

Relative:
Lower

Actual:
11 ft.

SHWS:
Release Tracking Number/Current Status: 3-0032071 / TIERII
Release Town: AMESBURY
Notification Date: 03/25/2014
Category: 120 DY
Associated ID: Not reported
Current Status: **Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date: 04/01/2015
Phase: PHASE II
Response Action Outcome: -
Oil Or Haz Material: Hazardous Material
Source: UNKNOWN

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

Chemicals:
Chemical: NICKEL
Quantity: 21 milligrams per kilogram
Chemical: CADMIUM
Quantity: 8.06 milligrams per kilogram
Chemical: LEAD
Quantity: 2150 milligrams per kilogram
Chemical: VINLY CHLORIDE
Quantity: 0.0055 milligrams per liter
Chemical: SELENIUM

NO LOCATION AID (Continued) **S116358063**

Quantity: 0.16 milligrams per liter
Chemical: BENZENE
Quantity: 6.4 milligrams per kilogram
Chemical: NAPHTHALENE
Quantity: 25 milligrams per kilogram

Actions:
Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 1/6/2015
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 11/16/2015
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 11/20/2015
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/25/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/25/2014
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/25/2014
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 4/1/2015
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/1/2015
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 4/1/2015
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/1/2015
Response Action Outcome: Not reported

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

NO LOCATION AID (Continued) **S116358063**

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/11/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 5/13/2015
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/10/2015
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/6/2015
Response Action Outcome: Not reported

BROWNFIELDS 2:
RTN: 3-0032071
RAO Class: Not reported
Other RTNs: Not reported
Current Owner: City of Amesbury
MCP Status: TIER 2
AUL: Not reported
COCs: Metals, VOCs
Former Use: Municipal
Current Use: Potential For Retail
Total Acreage: 0.51

Release:
Release Tracking Number/Current Status: 3-0032071 / TIERII
Primary ID: Not reported
Official City: AMESBURY
Notification: 03/25/2014
Category: 120 DY
Status Date: 04/01/2015
Phase: PHASE II
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 1/6/2015
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 11/16/2015
Response Action Outcome: Not reported

NO LOCATION AID (Continued) **S116358063**

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 11/20/2015
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/25/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/25/2014
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/25/2014
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 4/1/2015
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/1/2015
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 4/1/2015
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/1/2015
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/11/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 5/13/2015
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/10/2015
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC

NO LOCATION AID (Continued) **S116358063**

Action Date: 8/6/2015
Response Action Outcome: Not reported

Chemicals:
Chemical: NICKEL
Quantity: 21 milligrams per kilogram
Chemical: CADMIUM
Quantity: 8.06 milligrams per kilogram
Chemical: LEAD
Quantity: 2150 milligrams per kilogram
Chemical: VINLY CHLORIDE
Quantity: 0.0055 milligrams per liter
Chemical: SELENIUM
Quantity: 0.16 milligrams per liter
Chemical: BENZENE
Quantity: 6.4 milligrams per kilogram
Chemical: NAPHTHALENE
Quantity: 25 milligrams per kilogram
Source: UNKNOWN

L41 **GERMAN AUTOSPORT** **MA SHWS** **S116357893**
SSE **18 CHESTNUT ST** **MA INST CONTROL** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA RELEASE**
0.600 mi. **MA HW GEN**
3170 ft. **Site 2 of 4 in cluster L**

Relative:
Lower

Actual:
12 ft.

SHWS:
Release Tracking Number/Current Status: 3-0034164 / PSC
Release Town: AMESBURY
Notification Date: 04/10/2017
Category: 120 DY
Associated ID: Not reported
Current Status: **PSC**
Status Date: 09/26/2017
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Hazardous Material
Source: UNKNOWN

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

Chemicals:
Chemical: ARSENIC
Quantity: 37 milligrams per kilogram
Chemical: LEAD
Quantity: 600 milligrams per kilogram

Actions:
Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 10/12/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 10/4/2017

GERMAN AUTOSPORT (Continued) **S116357893**

Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/10/2017
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/10/2017
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/10/2017
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/26/2017
Response Action Outcome: Not reported

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 9/26/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSARCD
Action Date: 9/26/2017
Response Action Outcome: Not reported

Action Type: Activity and Use Limitation
Action Status: Fee Received - FMCRA Use Only
Action Date: 9/28/2017
Response Action Outcome: Not reported

INST CONTROL:
Release Tracking Number: 3-0034164
Action Type: AUL
Action Stat: FEEREC
Action Date: 09/28/2017
Response Action Outcome: -

Release Tracking Number: 3-0034164
Action Type: AUL
Action Stat: LEGNOT
Action Date: 10/12/2017
Response Action Outcome: -

Release Tracking Number: 3-0034164
Action Type: AUL
Action Stat: RECPT
Action Date: 09/26/2017
Response Action Outcome: -

GERMAN AUTOSPORT (Continued) **S116357893**

Release:
Release Tracking Number/Current Status: 3-0034164 / PSC
Primary ID: Not reported
Official City: AMESBURY
Notification: 04/10/2017
Category: 120 DY
Status Date: 09/26/2017
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 10/12/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 10/4/2017
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/10/2017
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/10/2017
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/10/2017
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/26/2017
Response Action Outcome: Not reported

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 9/26/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSARCD
Action Date: 9/26/2017
Response Action Outcome: Not reported

Action Type: Activity and Use Limitation
Action Status: Fee Received - FMCRA Use Only

GERMAN AUTOSPORT (Continued) **S116357893**

Action Date: 9/28/2017
Response Action Outcome: Not reported

Chemicals:
Chemical: ARSENIC
Quantity: 37 milligrams per kilogram
Chemical: LEAD
Quantity: 600 milligrams per kilogram
Source: UNKNOWN

HW GEN:
EPA Id: MV9783881288
RCRA Generator Status: VSQG
State Generator Status: Not reported

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42 **25 WATER** **MA SHWS** **S114965545**
SSE **25 WATER STREET** **MA BROWNFIELDS** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA RELEASE**
0.603 mi.
3186 ft.

Relative:
Lower

Actual:
9 ft.

SHWS:
Release Tracking Number/Current Status: 3-0031886 / PSC
Release Town: AMESBURY
Notification Date: 11/22/2013
Category: 120 DY
Associated ID: Not reported
Current Status: **PSC**
Status Date: 04/11/2018
Phase: PHASE II
Response Action Outcome: -
Oil Or Haz Material: Oil and Hazardous Material
Source: UNKNOWN

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

Chemicals:
Chemical: LEAD
Quantity: 3040 milligrams per kilogram
Chemical: NICKEL
Quantity: 195 milligrams per kilogram
Chemical: CHROMIUM (TOTAL)
Quantity: 109 milligrams per kilogram

Actions:
Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 1/18/2018
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 1/20/2015
Response Action Outcome: Not reported

Action Type: Release Disposition

25 WATER (Continued) **S114965545**

Action Status: Reportable Release under MGL 21E
Action Date: 11/22/2013
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 11/22/2013
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/22/2013
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 12/1/2014
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 12/1/2014
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/1/2014
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 12/1/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/10/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 12/11/2013
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 12/12/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 2/7/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSCRCD
Action Date: 4/11/2018

25 WATER (Continued) **S114965545**

Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/28/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 6/13/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 6/16/2015
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 7/21/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 8/12/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 9/2/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 9/8/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 9/9/2014
Response Action Outcome: Not reported

BROWNFIELDS 2:
RTN: 3-0031886
RAO Class: Not reported
Other RTNs: Not reported
Current Owner: City of Amesbury
MCP Status: TIER 2
AUL: Not reported
COCs: Metals
Former Use: Industrial
Current Use: Proposed Heritage Park
Total Acreage: 0.42

Release:

25 WATER (Continued) **S114965545**

Release Tracking Number/Current Status: 3-0031886 / PSC
Primary ID: Not reported
Official City: AMESBURY
Notification: 11/22/2013
Category: 120 DY
Status Date: 04/11/2018
Phase: PHASE II
Response Action Outcome: -
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 1/18/2018
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 1/20/2015
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 11/22/2013
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 11/22/2013
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 11/22/2013
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 12/1/2014
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 12/1/2014
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/1/2014
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 12/1/2014
Response Action Outcome: Not reported

25 WATER (Continued) **S114965545**

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/10/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 12/11/2013
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 12/12/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 2/7/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSCRCD
Action Date: 4/11/2018
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/28/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 6/13/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 6/16/2015
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 7/21/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 8/12/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 9/2/2014
Response Action Outcome: Not reported

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

25 WATER (Continued) **S114965545**

Action Date: 9/8/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 9/9/2014
Response Action Outcome: Not reported

Chemicals:
Chemical: LEAD
Quantity: 3040 milligrams per kilogram
Chemical: NICKEL
Quantity: 195 milligrams per kilogram
Chemical: CHROMIUM (TOTAL)
Quantity: 109 milligrams per kilogram
Source: UNKNOWN

M43 **CUMBERLAND FARMS #2017** **MA SHWS** **U000227373**
SE **132 ELM ST** **MA LUST** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA UST**
0.612 mi. **MA RELEASE**
3229 ft. **Site 1 of 2 in cluster M** **MA ASBESTOS**
MA Financial Assurance
Relative: Lower **MA HW GEN**

Actual: 52 ft.

SHWS:
Release Tracking Number/Current Status: 3-0032758 / PSNC
Release Town: AMESBURY
Notification Date: 02/27/2015
Category: 72 HR
Associated ID: Not reported
Current Status: **PSNC**
Status Date: 03/01/2016
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil
Location Type: COMMERCIAL
Source: PIPE
Source: UST
Source: USTPIPE

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

Chemicals:
Chemical: GASOLINE
Quantity: 0.05 gallons per hour

Actions:
Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 12/8/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 2/27/2015

CUMBERLAND FARMS #2017 (Continued) **U000227373**

Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/27/2015
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 3/1/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/24/2015
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/27/2015
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/27/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 5/5/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 5/5/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/5/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 6/24/2016
Response Action Outcome: Not reported

LUST:

Facility:
Release Tracking Number/Current Status: 3-0032758 / PSNC
Status Date: 03/01/2016
Source Type: UST
Release Town: AMESBURY
Notification Date: 02/27/2015
Category: 72 HR

CUMBERLAND FARMS #2017 (Continued) **U000227373**

Associated ID: Not reported
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: PIPE
Source: UST
Source: USTPIPE

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

Chemicals:
Chemical: GASOLINE
Quantity: 0.05 gallons per hour

Actions:
Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 12/8/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 2/27/2015
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/27/2015
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 3/1/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/24/2015
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/27/2015
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/27/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 5/5/2015

CUMBERLAND FARMS #2017 (Continued) **U000227373**

Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 5/5/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/5/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 6/24/2016
Response Action Outcome: Not reported

Facility:
Release Tracking Number/Current Status: 3-0032758 / PSNC
Status Date: 03/01/2016
Source Type: USTPIPE
Release Town: AMESBURY
Notification Date: 02/27/2015
Category: 72 HR
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: PIPE
Source: UST
Source: USTPIPE

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

Chemicals:
Chemical: GASOLINE
Quantity: 0.05 gallons per hour

Actions:
Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 12/8/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 2/27/2015
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/27/2015

CUMBERLAND FARMS #2017 (Continued) **U000227373**

Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 3/1/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/24/2015
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/27/2015
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/27/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 5/5/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 5/5/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/5/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 6/24/2016
Response Action Outcome: Not reported

UST:

Facility:
Facility ID: 146
Owner Id: 1602
Owner: CUMBERLAND FARMS INC
Owner Address: 165 Flanders Road
Owner City,St,Zip: Westborough, MA 01581
Telephone: 9788340524
Description: Retail Motor Vehicle Fuel
Facility address 2: Not reported
Owner address 2: Not reported
Latitude: 42.85797
Longitude: -70.92369

CUMBERLAND FARMS #2017 (Continued) **U000227373**

Contact name: Angela Pimental
Contact address1: 165 Flanders Road
Contact address2: Not reported
Contact city: Westborough
Contact state: MA
Contact zip: 01581
Contact email: apimental@cumberlandfarms.com
Update: 2016-01-22 00:00:00
Update by: Angela Pimental
Fac status: OPEN

Facility ID: 146
Owner Id: 1602
Owner: CUMBERLAND FARMS INC
Owner Address: 165 Flanders Road
Owner City,St,Zip: Westborough, MA 01581
Telephone: 9788340524
Description: Retail Motor Vehicle Fuel
Facility address 2: Not reported
Owner address 2: Not reported
Latitude: 42.85797
Longitude: -70.92369
Contact name: Angela Pimental
Contact address1: 165 Flanders Road
Contact address2: Not reported
Contact city: Westborough
Contact state: MA
Contact zip: 01581
Contact email: apimental@cumberlandfarms.com
Update: 2016-01-22 00:00:00
Update by: Angela Pimental
Fac status: OPEN

Tank ID: 1
Tank Status: In Use
Status Date: Not reported
Date Installed: 07/11/1991
Capacity: 8000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Continuous Interstitial Space Monitoring
Latitude: 42.8579
Longitude: -70.9236
Tank construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Pipe construct: Double-walled non-corrodible material (No corrosion protection required)
Ptype: Pressurized piping system with mechanical automatic line leak detection
Number of compartment: Not reported
Pipe install date: 07/11/1991
Pipe leak install date: Not reported
Submersible sump: Y
Submersible sump install date: Not reported
Turbine sump: Y
Turbine sump sensor: Y
Intermediate sump: N
Intermediate sump sensor: N

CUMBERLAND FARMS #2017 (Continued) **U000227373**

Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Automatic shut-off valve
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 2
Tank Status: In Use
Status Date: Not reported
Date Installed: 07/11/1991
Capacity: 8000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Continuous Interstitial Space Monitoring
Latitude: 42.85793
Longitude: -70.92358
Tank construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Pipe construct: Double-walled non-corrodible material (No corrosion protection required)
Ptype: Pressurized piping system with mechanical automatic line leak detection
Number of compartment: Not reported
Pipe install date: 07/11/1991
Pipe leak install date: Not reported
Submersible sump: N
Submersible sump install date: Not reported
Turbine sump: Y
Turbine sump sensor: Y
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Automatic shut-off valve
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Tank ID: 3
Tank Status: In Use
Status Date: Not reported
Date Installed: 07/11/1991
Capacity: 8000
Contents: Gasoline
Tank Usage: Motor Vehi
Tank Leak Detection: Continuous Interstitial Monitoring
Pipe Leak Detection: Continuous Interstitial Space Monitoring
Latitude: 42.85795
Longitude: -70.92355
Tank construct: Double-walled non-corrodible (including "composite") material (cathodic protection not required)
Pipe construct: Double-walled non-corrodible material (No corrosion protection required)
Ptype: Pressurized piping system with mechanical automatic line leak detection
Number of compartment: Not reported
Pipe install date: 07/11/1991

CUMBERLAND FARMS #2017 (Continued) **U000227373**

Pipe leak install date: Not reported
Submersible sump: Y
Submersible sump install date: Not reported
Turbine sump: Y
Turbine sump sensor: Y
Intermediate sump: N
Intermediate sump sensor: N
Spill bucket installed date: Not reported
Spill bucket sensor: N
Overfill protect install: Not reported
Overfill protect type: Automatic shut-off valve
Automatic line leak detect: Not reported
Tank corrosion type: Not reported
Leak corrosion type: Not reported

Release:
Release Tracking Number/Current Status: 3-0032758 / PSNC
Primary ID: Not reported
Official City: AMESBURY
Notification: 02/27/2015
Category: 72 HR
Status Date: 03/01/2016
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:
Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 12/8/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 2/27/2015
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/27/2015
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 3/1/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/24/2015
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E

CUMBERLAND FARMS #2017 (Continued) **U000227373**

Action Date: 4/27/2015
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/27/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 5/5/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 5/5/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/5/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 6/24/2016
Response Action Outcome: Not reported

Chemicals:
Chemical: GASOLINE
Quantity: 0.05 gallons per hour
Location Type: COMMERCIAL
Source: PIPE
Source: UST
Source: USTPIPE

ASBESTOS:
Notification: 100194325
DEP Region: NE
Notifiers Name: INFINITY ABATEMENT SERVICES INC
Start Date: 03/14/2014
End Date: 03/17/2014
Date Entered: 03/03/2014
Entry Date: 03/03/2014
Quantity Materical Removed SF: 2000
Quantity Material Removed LF: 0
Project Description: Trns
AR Tracking ID: Not reported
Super Lic Number: Not reported
Monitor Lic Number: Not reported
Lab Lic Number: Not reported
Year: Not reported
Sticker Number: Not reported
Form Type: Not reported
Fee Status: Not reported
Facility Phone: Not reported

CUMBERLAND FARMS #2017 (Continued) **U000227373**

Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported
Notification:	100193307
DEP Region:	NE
Notifiers Name:	INFINITY ABATEMENT SERVICES INC
Start Date:	02/20/2014
End Date:	02/24/2014
Date Entered:	12/02/2014
Entry Date:	02/12/2014
Quantity Materical Removed SF:	2000
Quantity Material Removed LF:	0
Project Description:	Trns
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported

CUMBERLAND FARMS #2017 (Continued) **U000227373**

Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported

MA Financial Assurance 2:

Facility Id:	146
Description:	Gas Station
Work Phone:	(800) 225-9702

HW GEN:

EPA Id:	MAC300002466
RCRA Generator Status:	VSQG
State Generator Status:	VQG-MA

L44 **NO LOCATION AID** **MA SHWS** **S105199883**
SSE **31 WATER STREET** **MA LUST** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA BROWNFIELDS**
0.616 mi. **MA RELEASE**
3255 ft. **Site 3 of 4 in cluster L** **MA ENF**

Relative:
Lower

Actual:
9 ft.

SHWS:

Release Tracking Number/Current Status:	3-0032606 / PSNC
Release Town:	AMESBURY
Notification Date:	11/17/2014
Category:	72 HR

NO LOCATION AID (Continued) **S105199883**

Associated ID:	Not reported
Current Status:	**PSNC**
Status Date:	01/18/2018
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	USTOTHER
Source:	TANK
Source:	UST

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

Chemicals:

Chemical:	GASOLINE
Quantity:	1750 parts per million

Actions:

Action Type:	Immediate Response Action
Action Status:	Imminent Hazard Evaluation Received
Action Date:	1/13/2015
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	1/13/2015
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	PSNRCD
Action Date:	1/18/2018
Response Action Outcome:	Not reported
Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	1/5/2015
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	1/5/2015
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	11/17/2014
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	IRA Assessment Only
Action Date:	11/17/2014
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	11/24/2014

NO LOCATION AID (Continued) **S105199883**

Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 11/24/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 3/6/2015
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 6/29/2017
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 9/14/2015
Response Action Outcome: Not reported

Release Tracking Number/Current Status: 3-0019634 / RAO
Release Town: AMESBURY
Notification Date: 10/18/2000
Category: 120 DY
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 06/30/2010
Phase: PHASE II
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil Or Haz Material: Oil and Hazardous Material

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

Chemicals:
Chemical: NAPHTHALENE
Quantity: 5.7 milligrams per kilogram
Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 122 milligrams per kilogram
Chemical: DI-N-BUTYL PHTHALATE
Quantity: 290 milligrams per kilogram
Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Quantity: 850 milligrams per kilogram
Chemical: PHENANTHRENE
Quantity: 162 milligrams per kilogram
Chemical: BERYLLIUM
Quantity: 0.79 milligrams per kilogram
Chemical: LEAD
Quantity: 1110 milligrams per kilogram
Chemical: AROCLOR 1254
Quantity: 6.21 milligrams per kilogram
Chemical: TOLUENE
Quantity: 266 milligrams per kilogram

NO LOCATION AID (Continued) **S105199883**

Actions:

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 1/24/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/18/2000
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/18/2000
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 10/25/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/25/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 10/25/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Compliance and Enforcement Action
Action Status: ACO
Action Date: 3/11/2010
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/20/2010
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 4/24/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

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

NO LOCATION AID (Continued) **S105199883**

Action Date:	6/30/2010
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Release Tracking Number/Current Status:	3-0031842 / PSC
Release Town:	AMESBURY
Notification Date:	10/28/2013
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**PSC**
Status Date:	04/11/2018
Phase:	PHASE II
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material
Location Type:	COMMERCIAL
Location Type:	MUNICIPAL

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

Chemicals:

Chemical:	PCB
Quantity:	36 milligrams per kilogram
Chemical:	POLYCHLORINATED BIPHENYLS
Quantity:	36 milligrams per kilogram

Actions:

Action Type:	BOL
Action Status:	SHPFAC
Action Date:	1/20/2015
Response Action Outcome:	Not reported

Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	10/28/2013
Response Action Outcome:	Not reported

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	10/28/2013
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	10/28/2014
Response Action Outcome:	Not reported

Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	10/28/2014
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	10/28/2014
Response Action Outcome:	Not reported

NO LOCATION AID (Continued) **S105199883**

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 10/31/2013
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 11/8/2013
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 11/8/2013
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 12/1/2014
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 12/1/2014
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 12/1/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/16/2015
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 12/2/2014
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/10/2014
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 2/10/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/27/2014
Response Action Outcome: Not reported

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

NO LOCATION AID (Continued) **S105199883**

Action Date: 2/27/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 2/7/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 2/7/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSCRCD
Action Date: 4/11/2018
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/12/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/9/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/28/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 9/10/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 9/28/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 9/4/2014
Response Action Outcome: Not reported

LUST:

Facility:
Release Tracking Number/Current Status: 3-0032606 / PSNC
Status Date: 01/18/2018
Source Type: UST
Release Town: AMESBURY
Notification Date: 11/17/2014

NO LOCATION AID (Continued) **S105199883**

Category: 72 HR
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: USTOTHER
Source: TANK
Source: UST

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

Chemicals:
Chemical: GASOLINE
Quantity: 1750 parts per million

Actions:
Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 1/13/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 1/13/2015
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 1/18/2018
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/5/2015
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 1/5/2015
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 11/17/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: IRA Assessment Only
Action Date: 11/17/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.

NO LOCATION AID (Continued) **S105199883**

Action Date: 11/24/2014
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 11/24/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 3/6/2015
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 6/29/2017
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 9/14/2015
Response Action Outcome: Not reported

Facility:
Release Tracking Number/Current Status: 3-0032606 / PSNC
Status Date: 01/18/2018
Source Type: USTOTHER
Release Town: AMESBURY
Notification Date: 11/17/2014
Category: 72 HR
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: USTOTHER
Source: TANK
Source: UST

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

Chemicals:
Chemical: GASOLINE
Quantity: 1750 parts per million

Actions:
Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 1/13/2015
Response Action Outcome: Not reported

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

NO LOCATION AID (Continued) **S105199883**

Action Date: 1/13/2015
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 1/18/2018
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/5/2015
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 1/5/2015
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 11/17/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: IRA Assessment Only
Action Date: 11/17/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/24/2014
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 11/24/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 3/6/2015
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 6/29/2017
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 9/14/2015
Response Action Outcome: Not reported

BROWNFIELDS 2:
RTN: 3-0019634
RAO Class: B1

NO LOCATION AID (Continued) **S105199883**

Other RTNs: Not reported
Current Owner: Town of Amesbury
MCP Status: RAO
AUL: No
COCs: Aroclor, Beryllium, Lead, Toulene, Naphthelene, Phenanthrene, Hydrocarbons
Former Use: Not reported
Current Use: Vacant
Total Acreage: 0.56

RTN: 3-0031842
RAO Class: Not reported
Other RTNs: Not reported
Current Owner: City of Amesbury
MCP Status: TIER 2
AUL: Not reported
COCs: Metals, PCBs
Former Use: Industrial
Current Use: Proposed Heritage Park
Total Acreage: 0.56

Release:
Release Tracking Number/Current Status: 3-0019634 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 10/18/2000
Category: 120 DY
Status Date: 06/30/2010
Phase: PHASE II
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 1/24/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/18/2000
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/18/2000
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 10/25/2001

NO LOCATION AID (Continued) **S105199883**

Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/25/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 10/25/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Compliance and Enforcement Action
Action Status: ACO
Action Date: 3/11/2010
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 3/20/2010
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 4/24/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 6/30/2010
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:
Chemical: NAPHTHALENE
Quantity: 5.7 milligrams per kilogram
Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 122 milligrams per kilogram
Chemical: DI-N-BUTYL PHTHALATE
Quantity: 290 milligrams per kilogram
Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Quantity: 850 milligrams per kilogram
Chemical: PHENANTHRENE
Quantity: 162 milligrams per kilogram
Chemical: BERYLLIUM
Quantity: 0.79 milligrams per kilogram
Chemical: LEAD
Quantity: 1110 milligrams per kilogram
Chemical: AROCLOR 1254
Quantity: 6.21 milligrams per kilogram
Chemical: TOLUENE

NO LOCATION AID (Continued) **S105199883**

Quantity: 266 milligrams per kilogram

Release Tracking Number/Current Status: 3-0031842 / PSC
Primary ID: Not reported
Official City: AMESBURY
Notification: 10/28/2013
Category: TWO HR
Status Date: 04/11/2018
Phase: PHASE II
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:

Action Type: BOL
Action Status: SHPFAC
Action Date: 1/20/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 10/28/2013
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/28/2013
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/28/2014
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 10/28/2014
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 10/28/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 10/31/2013
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 11/8/2013
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF

NO LOCATION AID (Continued) **S105199883**

Action Date: 11/8/2013
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 12/1/2014
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 12/1/2014
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 12/1/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/16/2015
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 12/2/2014
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/10/2014
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 2/10/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/27/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/27/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 2/7/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 2/7/2014
Response Action Outcome: Not reported

NO LOCATION AID (Continued) **S105199883**

Action Type: Response Action Outcome - RAO
Action Status: PSCRCD
Action Date: 4/11/2018
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/12/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/9/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/28/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 9/10/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 9/28/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 9/4/2014
Response Action Outcome: Not reported

Chemicals:
Chemical: PCB
Quantity: 36 milligrams per kilogram
Chemical: POLYCHLORINATED BIPHENYLS
Quantity: 36 milligrams per kilogram
Location Type: COMMERCIAL
Location Type: MUNICIPAL

Release Tracking Number/Current Status: 3-0032606 / PSNC
Primary ID: Not reported
Official City: AMESBURY
Notification: 11/17/2014
Category: 72 HR
Status Date: 01/18/2018
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:

NO LOCATION AID (Continued) **S105199883**

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 1/13/2015
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 1/13/2015
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 1/18/2018
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/5/2015
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 1/5/2015
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 11/17/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: IRA Assessment Only
Action Date: 11/17/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/24/2014
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 11/24/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 3/6/2015
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 6/29/2017
Response Action Outcome: Not reported

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

NO LOCATION AID (Continued) **S105199883**

Action Date: 9/14/2015
Response Action Outcome: Not reported

Chemicals:
Chemical: GASOLINE
Quantity: 1750 parts per million
Location Type: COMMERCIAL
Source: USTOTHER
Source: TANK
Source: UST

ENFORCEMENT:
Region: NERO
DEP Region: NERO
DEP Program: 3C
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0032606
High Or Low Level Enforcement: LLE
FMF #: Not reported
Comptroller Billing Name: Not reported
Town Where Violation Occurred: Amesbury
Date Executed: 11/24/2014
ENF #: Not reported
Document Type: IDL
AG Ref (Y/N): Not reported
Doc Archived (Y/N): Not reported
EJ Community (Y/N): Y
Regional Comment: Not reported
Final Payment Due Date: Not reported
ACOP $: Not reported
PAN $: Not reported
EMS (Y/N): Not reported
EMS$: Not reported
SEP (Y/N): Not reported
SEP $: Not reported
Demand $: Not reported
Suspended $: Not reported
Ownership: Municipally Owned

Region: NERO
DEP Region: NERO
DEP Program: 3r
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0032606
High Or Low Level Enforcement: LLE
FMF #: Not reported
Comptroller Billing Name: Not reported
Town Where Violation Occurred: AMESBURY
Date Executed: 06/29/2017
ENF #: 00002694
Document Type: NON
AG Ref (Y/N): False
Doc Archived (Y/N): True
EJ Community (Y/N): False

NO LOCATION AID (Continued) **S105199883**

Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Municipally Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3A
DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0019634
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	04/24/2009
ENF #:	NON-NE-09-3A034
Document Type:	NON
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Municipally Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3A
DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0019634
High Or Low Level Enforcement:	HLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	03/11/2010
ENF #:	ACO-NE-10-3A004
Document Type:	ACO
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported

NO LOCATION AID (Continued) **S105199883**

Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Municipally Owned
Region:	NERO
DEP Region:	NERO
DEP Program:	3R
DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0031842
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Amesbury
Date Executed:	12/02/2014
ENF #:	NON-NE-14-3R101
Document Type:	NON
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Y
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Municipally Owned

45
SSE
1/2-1
0.618 mi.
3261 ft.

DURASOL CORPORATION
1 OAKLAND ST
AMESBURY, MA 01913

MA SHWS **S108034078**
MA RELEASE **N/A**
MA AIRS
MA ENF

Relative:
Lower

Actual:
50 ft.

SHWS:

Release Tracking Number/Current Status:	3-0029565 / RAO
Release Town:	AMESBURY
Notification Date:	10/07/2010
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	02/13/2012
Phase:	Not reported
Response Action Outcome:	A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material:	Hazardous Material
Location Type:	INDUSTRIAL

DURASOL CORPORATION (Continued) **S108034078**

Location Type: PRIVPROP
Location Type: COMMERCIAL
Source: PROCESS
Source: REACTION
Source: ROOM
Source: UNKNOWN
Source: IN

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

Chemicals:
Chemical: SULFUR MONOCHLORIDE
Quantity: 10 pounds

Actions:
Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/13/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 10/25/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

DURASOL CORPORATION (Continued) **S108034078**

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 12/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 2/13/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 2/13/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 2/16/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/5/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 2/6/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 2/8/2011

DURASOL CORPORATION (Continued) **S108034078**

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 8/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 9/15/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number/Current Status: 3-0029565 / RAO
Release Town: AMESBURY
Notification Date: 10/07/2010
Category: TWO HR
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 02/13/2012
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material: Hazardous Material
Location Type: INDUSTRIAL
Location Type: PRIVPROP
Location Type: COMMERCIAL
Source: PROCESS
Source: REACTION
Source: ROOM
Source: UNKNOWN
Source: IN

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

Chemicals:
Chemical: SULFUR MONOCHLORIDE
Quantity: 10 pounds

Actions:
Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/13/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 10/25/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

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

DURASOL CORPORATION (Continued) **S108034078**

Action Status: FLDISS
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 12/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 2/13/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

DURASOL CORPORATION (Continued) **S108034078**

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 2/13/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 2/16/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/5/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 2/6/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 2/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 8/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 9/15/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number/Current Status: 3-0029565 / RAO
Release Town: AMESBURY
Notification Date: 10/07/2010
Category: TWO HR
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 02/13/2012
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material: Hazardous Material
Location Type: INDUSTRIAL

DURASOL CORPORATION (Continued) **S108034078**

Location Type: PRIVPROP
Location Type: COMMERCIAL
Source: PROCESS
Source: REACTION
Source: ROOM
Source: UNKNOWN
Source: IN

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

Chemicals:
Chemical: SULFUR MONOCHLORIDE
Quantity: 10 pounds

Actions:
Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/13/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 10/25/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

DURASOL CORPORATION (Continued) **S108034078**

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 12/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 2/13/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 2/13/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 2/16/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/5/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 2/6/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 2/8/2011

DURASOL CORPORATION (Continued) **S108034078**

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 8/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 9/15/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number/Current Status: 3-0029565 / RAO
Release Town: AMESBURY
Notification Date: 10/07/2010
Category: TWO HR
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 02/13/2012
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material: Hazardous Material
Location Type: INDUSTRIAL
Location Type: PRIVPROP
Location Type: COMMERCIAL
Source: PROCESS
Source: REACTION
Source: ROOM
Source: UNKNOWN
Source: IN

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

Chemicals:
Chemical: SULFUR MONOCHLORIDE
Quantity: 10 pounds

Actions:
Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/13/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 10/25/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

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

DURASOL CORPORATION (Continued) **S108034078**

Action Status: FLDISS
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 12/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 2/13/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

DURASOL CORPORATION (Continued) **S108034078**

to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 2/13/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 2/16/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/5/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 2/6/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 2/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 8/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 9/15/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number/Current Status: 3-0028751 / RAO
Release Town: AMESBURY
Notification Date: 09/23/2009
Category: TWO HR
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 08/16/2010
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material: Hazardous Material
Location Type: COMMERCIAL

DURASOL CORPORATION (Continued) **S108034078**

Source: DRUMS

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

Chemicals:
Chemical: HYDROFLUORIC ACID
Quantity: 20 gallons
Chemical: HYDROFLUORIC ACID
Quantity: 36 gallons
Chemical: HYDROGEN PEROXIDE
Quantity: 30 gallons

Actions:
Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 10/7/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 10/7/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 7/13/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 7/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/16/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/16/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/16/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action

DURASOL CORPORATION (Continued) **S108034078**

Action Status: Completion Statement Received
Action Date: 8/16/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 9/23/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/23/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 9/23/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: IRA Assessment Only
Action Date: 9/23/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 9/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 9/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number/Current Status: 3-0029565 / RAO
Release Town: AMESBURY
Notification Date: 10/07/2010
Category: TWO HR
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 02/13/2012
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material: Hazardous Material
Location Type: INDUSTRIAL
Location Type: PRIVPROP
Location Type: COMMERCIAL
Source: PROCESS

DURASOL CORPORATION (Continued) **S108034078**

Source: REACTION
Source: ROOM
Source: UNKNOWN
Source: IN

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

Chemicals:
Chemical: SULFUR MONOCHLORIDE
Quantity: 10 pounds

Actions:
Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/13/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 10/25/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received

DURASOL CORPORATION (Continued) **S108034078**

Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 12/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 2/13/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 2/13/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 2/16/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/5/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 2/6/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 2/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

DURASOL CORPORATION (Continued) **S108034078**

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	8/8/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	9/15/2011
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release:

Release Tracking Number/Current Status:	3-0028751 / RAO
Primary ID:	Not reported
Official City:	AMESBURY
Notification:	09/23/2009
Category:	TWO HR
Status Date:	08/16/2010
Phase:	Not reported
Response Action Outcome:	A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type:	Hazardous Material

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

Actions:

Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	10/7/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	10/7/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	7/13/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	7/8/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	8/16/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced

DURASOL CORPORATION (Continued) **S108034078**

to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/16/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/16/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/16/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 9/23/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/23/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 9/23/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: IRA Assessment Only
Action Date: 9/23/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 9/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 9/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

DURASOL CORPORATION (Continued) **S108034078**

Chemicals:

Chemical:	HYDROFLUORIC ACID
Quantity:	20 gallons
Chemical:	HYDROFLUORIC ACID
Quantity:	36 gallons
Chemical:	HYDROGEN PEROXIDE
Quantity:	30 gallons
Location Type:	COMMERCIAL
Source:	DRUMS

Release Tracking Number/Current Status:	3-0029565 / RAO
Primary ID:	Not reported
Official City:	AMESBURY
Notification:	10/07/2010
Category:	TWO HR
Status Date:	02/13/2012
Phase:	Not reported
Response Action Outcome:	A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type:	Hazardous Material

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

Actions:

Action Type:	RLFA
Action Status:	FLDRAN
Action Date:	10/13/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	10/25/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	FLDISS
Action Date:	10/7/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type:	RLFA
Action Status:	FLDD1U
Action Date:	10/7/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	10/7/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

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

DURASOL CORPORATION (Continued) **S108034078**

Action Date: 10/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/6/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 12/7/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 2/13/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 2/13/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 2/16/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 2/5/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

DURASOL CORPORATION (Continued) **S108034078**

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 2/6/2012
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 2/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 8/8/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 9/15/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: SULFUR MONOCHLORIDE
Quantity: 10 pounds
Location Type: INDUSTRIAL
Location Type: PRIVPROP
Location Type: COMMERCIAL
Source: PROCESS
Source: REACTION
Source: ROOM
Source: UNKNOWN
Source: IN

AIRS:
Address 2: Not reported
Facility Status: APPROV
Permit Code: AQ02
Permit Name: Plan Approval Non-Major Comprehensive
DEP Region: NE
Application Tracking Number: 129666
Date Closed: 03/02/2000
Applicant Name: ISRAEL, WALTER H
Applicant Address: DURASOL CORP
Applicant City,St,Zip: AMESBURY, MA 01913
Applicant Telephone: 9783889762
AQID: Not reported
Pollutant: Not reported
Actual Emission: Not reported
Emissions Year: Not reported

ENFORCEMENT:
Region: NERO
DEP Region: NERO

DURASOL CORPORATION (Continued) **S108034078**

DEP Program:	3C
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0028751
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	07/13/2010
ENF #:	NON-NE-10-3C012
Document Type:	NON
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Y
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3C
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0028751
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	10/07/2009
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3R

DURASOL CORPORATION (Continued) **S108034078**

DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0029565
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	02/06/2012
ENF #:	NON-NE-12-3R004
Document Type:	NON
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Y
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

46
South
1/2-1
0.624 mi.
3294 ft.

REID S FOUNDRY **MA SHWS S105199243**
MILL STREET EXT **MA RELEASE N/A**
AMESBURY, MA 01913

Relative:
Lower

Actual:
25 ft.

SHWS:

Release Tracking Number/Current Status:	3-0000513 / DEPNFA
Release Town:	AMESBURY
Notification Date:	07/16/1986
Category:	NONE
Associated ID:	Not reported
Current Status:	**No Further Action (DEP Determined)**
Status Date:	07/23/1993
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Not reported

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

Chemicals:

Chemical:	UNKNOWN
Quantity:	Not reported

Actions:

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	7/16/1986
Response Action Outcome:	Not reported

Action Type:	Release Disposition
Action Status:	Valid Transition Site

REID S FOUNDRY (Continued) **S105199243**

Action Date: 7/16/1986
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: DEPNFA
Action Date: 7/23/1993
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0000513 / DEPNFA
Primary ID: Not reported
Official City: AMESBURY
Notification: 07/16/1986
Category: NONE
Status Date: 07/23/1993
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/16/1986
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 7/16/1986
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: DEPNFA
Action Date: 7/23/1993
Response Action Outcome: Not reported

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

L47 **KEYSPAN PROPERTY MAP 54 PARCEL 219** **MA SHWS S109489465**
SSE **WATER ST** **MA RELEASE N/A**
1/2-1 **AMESBURY, MA 01913**
0.635 mi.
3353 ft. **Site 4 of 4 in cluster L**

Relative:
Lower

Actual:
16 ft.

SHWS:
Release Tracking Number/Current Status: 3-0024070 / TIERII
Release Town: AMESBURY
Notification Date: 07/29/2004
Category: 120 DY
Associated ID: 3-0024070
Current Status: **Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see**

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.

Status Date:	07/29/2014
Phase:	PHASE IV
Response Action Outcome:	-
Oil Or Haz Material:	Oil and Hazardous Material
Location Type:	INDUSTRIAL
Source:	PLANT
Source:	FMR COAL

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

Chemicals:

Chemical:	VOCS
Quantity:	Not reported
Chemical:	NAPHTHALENE
Quantity:	1300 milligrams per kilogram
Chemical:	PAHS
Quantity:	Not reported
Chemical:	BENZO[A]PYRENE
Quantity:	13 milligrams per kilogram
Chemical:	BENZENE
Quantity:	90 milligrams per kilogram

Actions:

Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	1/11/2017
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	1/23/2014
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	1/23/2014
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	1/27/2012
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	1/27/2012
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	1/28/2013
Response Action Outcome:	Not reported

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	1/28/2013
Response Action Outcome:	Not reported
Action Type:	Phase 2
Action Status:	Level I - Technical Screen Audit
Action Date:	1/29/2010
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	1/3/2017
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	1/30/2015
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	1/30/2015
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	1/30/2016
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	1/30/2016
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	1/31/2011
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINI
Action Date:	1/31/2011
Response Action Outcome:	Not reported
Action Type:	Phase 4
Action Status:	Written Plan Received
Action Date:	10/18/2016
Response Action Outcome:	Not reported
Action Type:	Phase 3
Action Status:	Revised Statement or Transmittal Received
Action Date:	10/18/2016
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via Tier Classification Submittal

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Date: 12/12/2008
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/19/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/5/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/17/2017
Response Action Outcome: Not reported

Action Type: Phase 4
Action Status: Status or Interim Report Received
Action Date: 2/2/2018
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/20/2017
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/24/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 2/6/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 2/6/2017
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 4/28/2009
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 4/28/2009
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 4/29/2008
Response Action Outcome: Not reported

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Type:	Phase 2
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	4/29/2008
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Revised Statement or Transmittal Received
Action Date:	5/16/2008
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	5/16/2008
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 1B Classification
Action Date:	5/16/2008
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via Tier Classification Submittal
Action Date:	5/16/2008
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	5/16/2013
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	TCEXT
Action Date:	5/17/2015
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	TCEXT
Action Date:	5/19/2017
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Permit Extension Received
Action Date:	6/19/2013
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Permit Effective Date
Action Date:	6/26/2008
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPTMP
Action Date:	6/27/2017
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	NOTSHP

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Date:	6/27/2017
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	6/27/2017
Response Action Outcome:	Not reported
Action Type:	Phase 4
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	6/28/2011
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	REVMP
Action Date:	7/21/2009
Response Action Outcome:	Not reported
Action Type:	Phase 2
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	7/25/2007
Response Action Outcome:	Not reported
Action Type:	Phase 3
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	7/25/2007
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	7/27/2012
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	7/27/2012
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	7/29/2004
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	7/29/2004
Response Action Outcome:	Not reported
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	7/29/2005
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	7/29/2005
Response Action Outcome:	Not reported

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	7/29/2010
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via IRA Completion Statement
Action Date:	7/29/2010
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	7/29/2011
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	7/29/2011
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	7/29/2014
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	7/29/2014
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	7/29/2014
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Revised Statement or Transmittal Received
Action Date:	7/29/2014
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	7/29/2015
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	7/29/2015
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	7/30/2005
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Date:	7/30/2013
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	7/30/2013
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRFIN
Action Date:	8/1/2017
Response Action Outcome:	Not reported
Action Type:	Phase 4
Action Status:	Status or Interim Report Received
Action Date:	8/1/2017
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	8/1/2017
Response Action Outcome:	Not reported
Action Type:	Phase 2
Action Status:	Scope of Work Received
Action Date:	8/14/2007
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	8/3/2016
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	8/3/2016
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	8/5/2005
Response Action Outcome:	Not reported
Action Type:	Phase 2
Action Status:	Completion Statement Received
Action Date:	8/5/2009
Response Action Outcome:	Not reported
Action Type:	Phase 3
Action Status:	Completion Statement Received
Action Date:	8/5/2009
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via IRA Completion Statement
Action Date:	8/5/2009
Response Action Outcome:	Not reported

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Type:	Phase 2
Action Status:	Scope of Work Received
Action Date:	9/10/2008
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	9/27/2004
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	9/4/2014
Response Action Outcome:	Not reported
Action Type:	BWS20
Action Status:	APPROV
Action Date:	Not reported
Response Action Outcome:	Not reported
Action Type:	BWS02
Action Status:	APPROV
Action Date:	Not reported
Response Action Outcome:	Not reported
Release Tracking Number/Current Status:	3-0024070 / TIERII
Release Town:	AMESBURY
Notification Date:	07/29/2004
Category:	120 DY
Associated ID:	3-0024070
Current Status:	**Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date:	07/29/2014
Phase:	PHASE IV
Response Action Outcome:	-
Oil Or Haz Material:	Oil and Hazardous Material
Location Type:	INDUSTRIAL
Source:	PLANT
Source:	FMR COAL

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

Chemicals:

Chemical:	VOCS
Quantity:	Not reported
Chemical:	NAPHTHALENE
Quantity:	1300 milligrams per kilogram
Chemical:	PAHS
Quantity:	Not reported
Chemical:	BENZO[A]PYRENE
Quantity:	13 milligrams per kilogram

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Chemical: BENZENE
Quantity: 90 milligrams per kilogram

Actions:

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/11/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 1/23/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 1/23/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 1/27/2012
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 1/27/2012
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 1/28/2013
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 1/28/2013
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Level I - Technical Screen Audit
Action Date: 1/29/2010
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/3/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 1/30/2015
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 1/30/2015
Response Action Outcome: Not reported

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	1/30/2016
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	1/30/2016
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	1/31/2011
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINI
Action Date:	1/31/2011
Response Action Outcome:	Not reported
Action Type:	Phase 4
Action Status:	Written Plan Received
Action Date:	10/18/2016
Response Action Outcome:	Not reported
Action Type:	Phase 3
Action Status:	Revised Statement or Transmittal Received
Action Date:	10/18/2016
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via Tier Classification Submittal
Action Date:	12/12/2008
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	12/19/2016
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	12/5/2016
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	2/17/2017
Response Action Outcome:	Not reported
Action Type:	Phase 4
Action Status:	Status or Interim Report Received
Action Date:	2/2/2018
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Date: 2/20/2017
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/24/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 2/6/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 2/6/2017
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 4/28/2009
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 4/28/2009
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 4/29/2008
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 4/29/2008
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 5/16/2008
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 5/16/2008
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1B Classification
Action Date: 5/16/2008
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 5/16/2008
Response Action Outcome: Not reported

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	5/16/2013
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	TCEXT
Action Date:	5/17/2015
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	TCEXT
Action Date:	5/19/2017
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Permit Extension Received
Action Date:	6/19/2013
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Permit Effective Date
Action Date:	6/26/2008
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPTMP
Action Date:	6/27/2017
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	NOTSHP
Action Date:	6/27/2017
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	6/27/2017
Response Action Outcome:	Not reported
Action Type:	Phase 4
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	6/28/2011
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	REVMP
Action Date:	7/21/2009
Response Action Outcome:	Not reported
Action Type:	Phase 2
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	7/25/2007
Response Action Outcome:	Not reported
Action Type:	Phase 3
Action Status:	Notice of Delay in Meeting RA Deadline Received

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Date:	7/25/2007
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	7/27/2012
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	7/27/2012
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	7/29/2004
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	7/29/2004
Response Action Outcome:	Not reported
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	7/29/2005
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	7/29/2005
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	7/29/2010
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via IRA Completion Statement
Action Date:	7/29/2010
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	7/29/2011
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	7/29/2011
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	7/29/2014
Response Action Outcome:	Not reported

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	7/29/2014
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	7/29/2014
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Revised Statement or Transmittal Received
Action Date:	7/29/2014
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	7/29/2015
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	7/29/2015
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	7/30/2005
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	7/30/2013
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	7/30/2013
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRFIN
Action Date:	8/1/2017
Response Action Outcome:	Not reported
Action Type:	Phase 4
Action Status:	Status or Interim Report Received
Action Date:	8/1/2017
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	8/1/2017
Response Action Outcome:	Not reported
Action Type:	Phase 2
Action Status:	Scope of Work Received

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Date: 8/14/2007
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 8/3/2016
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 8/3/2016
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 8/5/2005
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 8/5/2009
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 8/5/2009
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via IRA Completion Statement
Action Date: 8/5/2009
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 9/10/2008
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 9/27/2004
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 9/4/2014
Response Action Outcome: Not reported

Action Type: BWS20
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: Not reported

Action Type: BWS02
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: Not reported

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Release:

Release Tracking Number/Current Status:	3-0024070 / TIERII
Primary ID:	3-0024070
Official City:	AMESBURY
Notification:	07/29/2004
Category:	120 DY
Status Date:	07/29/2014
Phase:	PHASE IV
Response Action Outcome:	-
Oil / Haz Material Type:	Oil and Hazardous Material

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

Actions:

Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	1/11/2017
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	1/23/2014
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	1/23/2014
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	1/27/2012
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	1/27/2012
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	1/28/2013
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	1/28/2013
Response Action Outcome:	Not reported
Action Type:	Phase 2
Action Status:	Level I - Technical Screen Audit
Action Date:	1/29/2010
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Date: 1/3/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 1/30/2015
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 1/30/2015
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 1/30/2016
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 1/30/2016
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 1/31/2011
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRINI
Action Date: 1/31/2011
Response Action Outcome: Not reported

Action Type: Phase 4
Action Status: Written Plan Received
Action Date: 10/18/2016
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Revised Statement or Transmittal Received
Action Date: 10/18/2016
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 12/12/2008
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/19/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/5/2016
Response Action Outcome: Not reported

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	2/17/2017
Response Action Outcome:	Not reported
Action Type:	Phase 4
Action Status:	Status or Interim Report Received
Action Date:	2/2/2018
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	2/20/2017
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	2/24/2017
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	2/6/2017
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	2/6/2017
Response Action Outcome:	Not reported
Action Type:	Phase 3
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	4/28/2009
Response Action Outcome:	Not reported
Action Type:	Phase 2
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	4/28/2009
Response Action Outcome:	Not reported
Action Type:	Phase 3
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	4/29/2008
Response Action Outcome:	Not reported
Action Type:	Phase 2
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	4/29/2008
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Revised Statement or Transmittal Received
Action Date:	5/16/2008
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Legal Notice Published

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Date:	5/16/2008
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 1B Classification
Action Date:	5/16/2008
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via Tier Classification Submittal
Action Date:	5/16/2008
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	5/16/2013
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	TCEXT
Action Date:	5/17/2015
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	TCEXT
Action Date:	5/19/2017
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Permit Extension Received
Action Date:	6/19/2013
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Permit Effective Date
Action Date:	6/26/2008
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPTMP
Action Date:	6/27/2017
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	NOTSHP
Action Date:	6/27/2017
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	6/27/2017
Response Action Outcome:	Not reported
Action Type:	Phase 4
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	6/28/2011
Response Action Outcome:	Not reported

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Type:	Tier Classification
Action Status:	REVMP
Action Date:	7/21/2009
Response Action Outcome:	Not reported
Action Type:	Phase 2
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	7/25/2007
Response Action Outcome:	Not reported
Action Type:	Phase 3
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	7/25/2007
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	7/27/2012
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	7/27/2012
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	7/29/2004
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	7/29/2004
Response Action Outcome:	Not reported
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	7/29/2005
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	7/29/2005
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	7/29/2010
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via IRA Completion Statement
Action Date:	7/29/2010
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Date: 7/29/2011
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 7/29/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 7/29/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 7/29/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 7/29/2014
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Revised Statement or Transmittal Received
Action Date: 7/29/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 7/29/2015
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 7/29/2015
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 7/30/2005
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Inspection and Monitoring Report Received
Action Date: 7/30/2013
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRINT
Action Date: 7/30/2013
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: RMRFIN
Action Date: 8/1/2017
Response Action Outcome: Not reported

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Type:	Phase 4
Action Status:	Status or Interim Report Received
Action Date:	8/1/2017
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	8/1/2017
Response Action Outcome:	Not reported
Action Type:	Phase 2
Action Status:	Scope of Work Received
Action Date:	8/14/2007
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RMRINT
Action Date:	8/3/2016
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	Inspection and Monitoring Report Received
Action Date:	8/3/2016
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	8/5/2005
Response Action Outcome:	Not reported
Action Type:	Phase 2
Action Status:	Completion Statement Received
Action Date:	8/5/2009
Response Action Outcome:	Not reported
Action Type:	Phase 3
Action Status:	Completion Statement Received
Action Date:	8/5/2009
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via IRA Completion Statement
Action Date:	8/5/2009
Response Action Outcome:	Not reported
Action Type:	Phase 2
Action Status:	Scope of Work Received
Action Date:	9/10/2008
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	9/27/2004
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Legal Notice Published

KEYSPAN PROPERTY MAP 54 PARCEL 219 (Continued) **S109489465**

Action Date: 9/4/2014
Response Action Outcome: Not reported

Action Type: BWS20
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: Not reported

Action Type: BWS02
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: Not reported

Chemicals:
Chemical: VOCS
Quantity: Not reported
Chemical: NAPHTHALENE
Quantity: 1300 milligrams per kilogram
Chemical: PAHS
Quantity: Not reported
Chemical: BENZO[A]PYRENE
Quantity: 13 milligrams per kilogram
Chemical: BENZENE
Quantity: 90 milligrams per kilogram
Location Type: INDUSTRIAL
Source: PLANT
Source: FMR COAL

N48 **FLOSMAN, JOSEPH** **MA SHWS** **S107391019**
South **8-10 SCHOOL ST** **MA RELEASE** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA ENF**
0.636 mi.
3358 ft. **Site 1 of 3 in cluster N**

Relative:
Higher

Actual:
85 ft.

SHWS:
Release Tracking Number/Current Status: 3-0026999 / TIER1D
Release Town: AMESBURY
Notification Date: 06/18/2007
Category: TWO HR
Associated ID: Not reported
Current Status: **Tier 1D, a release where the responsible party fails to provide a required submittal to DEP by a specified deadline.**
Status Date: 06/25/2008
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Hazardous Material
Location Type: COMMERCIAL
Location Type: RESIDNTIAL
Source: FORMER
Source: CLEANERS
Source: DRY

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

Chemicals:
Chemical: PERCHLOROETHYLENE

FLOSMAN, JOSEPH (Continued) **S107391019**

Quantity: 14.2 parts per billion
Chemical: CHLOROFORM
Quantity: 2.7 parts per billion
Chemical: PCE
Quantity: 23.2 UG/M3

Actions:

Action Type: Compliance and Enforcement Action
Action Status: NORA
Action Date: 1/15/2010
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/17/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/18/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: Action Status or AUL Terminated
Action Date: 10/19/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 10/6/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 11/6/2009
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 12/20/2012
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 2/14/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/27/2009
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/14/2008
Response Action Outcome: Not reported

Action Type: FTLI

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Status: APPREC
Action Date: 4/26/2010
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 5/4/2011
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/2/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/3/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/13/2015
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/17/2017

FLOSMAN, JOSEPH (Continued) **S107391019**

Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/5/2013
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: REFOTH
Action Date: 8/1/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/15/2016
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 8/20/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 8/20/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 8/22/2013
Response Action Outcome: Not reported

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Type:	FTLI
Action Status:	APPREC
Action Date:	8/28/2012
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPREC
Action Date:	8/6/2014
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	9/12/2014
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	9/13/2017
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	9/16/2016
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	9/22/2015
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	9/25/2014
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	9/8/2008
Response Action Outcome:	Not reported
Release Tracking Number/Current Status:	3-0026999 / TIER1D
Release Town:	AMESBURY
Notification Date:	06/18/2007
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**Tier 1D, a release where the responsible party fails to provide a required submittal to DEP by a specified deadline.**
Status Date:	06/25/2008
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material
Location Type:	COMMERCIAL
Location Type:	RESIDNTIAL
Source:	FORMER
Source:	CLEANERS
Source:	DRY

FLOSMAN, JOSEPH (Continued) **S107391019**

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

Chemicals:

Chemical:	PERCHLOROETHYLENE
Quantity:	14.2 parts per billion
Chemical:	CHLOROFORM
Quantity:	2.7 parts per billion
Chemical:	PCE
Quantity:	23.2 UG/M3

Actions:

Action Type:	Compliance and Enforcement Action
Action Status:	NORA
Action Date:	1/15/2010
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FLDRAN
Action Date:	10/17/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	10/18/2007
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	Action Status or AUL Terminated
Action Date:	10/19/2010
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPREC
Action Date:	10/6/2008
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	11/6/2009
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	12/20/2012
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	2/14/2008
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPREC
Action Date:	2/27/2009
Response Action Outcome:	Not reported

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/14/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/26/2010
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 5/4/2011
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/2/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/3/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Date: 7/13/2015
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/17/2017
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/5/2013
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: REFOTH
Action Date: 8/1/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/15/2016
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 8/20/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 8/20/2007
Response Action Outcome: Not reported

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Type: FTLI
Action Status: APPACC
Action Date: 8/22/2013
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/28/2012
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/6/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/12/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/13/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/16/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/22/2015
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/25/2014
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 9/8/2008
Response Action Outcome: Not reported

Release Tracking Number/Current Status: 3-0026999 / TIER1D
Release Town: AMESBURY
Notification Date: 06/18/2007
Category: TWO HR
Associated ID: Not reported
Current Status: **Tier 1D, a release where the responsible party fails to provide a required submittal to DEP by a specified deadline.**
Status Date: 06/25/2008
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Hazardous Material

FLOSMAN, JOSEPH (Continued) **S107391019**

Location Type: COMMERCIAL
Location Type: RESIDNTIAL
Source: FORMER
Source: CLEANERS
Source: DRY

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

Chemicals:
Chemical: PERCHLOROETHYLENE
Quantity: 14.2 parts per billion
Chemical: CHLOROFORM
Quantity: 2.7 parts per billion
Chemical: PCE
Quantity: 23.2 UG/M3

Actions:
Action Type: Compliance and Enforcement Action
Action Status: NORA
Action Date: 1/15/2010
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/17/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/18/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: Action Status or AUL Terminated
Action Date: 10/19/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 10/6/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 11/6/2009
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 12/20/2012
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 2/14/2008
Response Action Outcome: Not reported

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Type: FTLI
Action Status: APPREC
Action Date: 2/27/2009
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/14/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/26/2010
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 5/4/2011
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/2/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Date: 6/3/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/13/2015
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/17/2017
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/5/2013
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: REFOTH
Action Date: 8/1/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/15/2016
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 8/20/2007
Response Action Outcome: Not reported

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 8/20/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 8/22/2013
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/28/2012
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/6/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/12/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/13/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/16/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/22/2015
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/25/2014
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 9/8/2008
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0026999 / TIER1D
Primary ID: Not reported
Official City: AMESBURY
Notification: 06/18/2007
Category: TWO HR

FLOSMAN, JOSEPH (Continued) **S107391019**

Status Date: 06/25/2008
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:

Action Type: Compliance and Enforcement Action
Action Status: NORA
Action Date: 1/15/2010
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/17/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/18/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: Action Status or AUL Terminated
Action Date: 10/19/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 10/6/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 11/6/2009
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 12/20/2012
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 2/14/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/27/2009
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/14/2008
Response Action Outcome: Not reported

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Type: FTLI
Action Status: APPREC
Action Date: 4/26/2010
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 5/4/2011
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/2/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/3/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/13/2015
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Date: 7/17/2017
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/5/2013
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: REFOTH
Action Date: 8/1/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/15/2016
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 8/20/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 8/20/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 8/22/2013
Response Action Outcome: Not reported

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Type: FTLI
Action Status: APPREC
Action Date: 8/28/2012
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/6/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/12/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/13/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/16/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/22/2015
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/25/2014
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 9/8/2008
Response Action Outcome: Not reported

Chemicals:
Chemical: PERCHLOROETHYLENE
Quantity: 14.2 parts per billion
Chemical: CHLOROFORM
Quantity: 2.7 parts per billion
Chemical: PCE
Quantity: 23.2 UG/M3
Location Type: COMMERCIAL
Location Type: RESIDNTIAL
Source: FORMER
Source: CLEANERS
Source: DRY

ENFORCEMENT:
Region: NERO
DEP Region: NERO

FLOSMAN, JOSEPH (Continued) **S107391019**

DEP Program:	3R
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0026999
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	07/03/2007
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Individually Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3R
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0026999
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	08/20/2007
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Individually Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3R

FLOSMAN, JOSEPH (Continued) **S107391019**

DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0026999
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	02/14/2008
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Individually Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3R
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0026999
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	09/08/2008
ENF #:	NON-NE-08-3R035
Document Type:	NON
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Individually Owned

O49 **PROPERTY** **MA SHWS** **S114965503**
SSW **99 FRIEND STREET** **MA RELEASE** **N/A**
1/2-1 **AMESBURY, MA 01913**
0.638 mi.
3369 ft. **Site 1 of 2 in cluster O**

Relative:
Higher

Actual:
85 ft.

SHWS:

Release Tracking Number/Current Status:	3-0031813 / PSNC
Release Town:	AMESBURY
Notification Date:	10/15/2013
Category:	120 DY
Associated ID:	Not reported
Current Status:	**PSNC**
Status Date:	07/30/2014
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil and Hazardous Material
Location Type:	RESIDNTIAL
Source:	UNKNOWN

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

Chemicals:

Chemical:	BENZO(A)PYRENE
Quantity:	8.12 milligrams per kilogram
Chemical:	TPH
Quantity:	1509 milligrams per kilogram
Chemical:	BENZO(B)FLOURANTHENE
Quantity:	9.93 milligrams per kilogram
Chemical:	LEAD
Quantity:	1150 milligrams per kilogram
Chemical:	PHENANTHRENE
Quantity:	20.07 milligrams per kilogram
Chemical:	BENZO(A)ANTHRACENE
Quantity:	9.98 milligrams per kilogram
Chemical:	DIBENZO(A,H)ANTHRACENE
Quantity:	1.78 milligrams per kilogram

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	10/15/2013
Response Action Outcome:	Not reported
Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	10/15/2013
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	10/15/2013
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	10/17/2013
Response Action Outcome:	Not reported

PROPERTY (Continued) **S114965503**

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 10/30/2013
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 10/31/2013
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/1/2013
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 11/19/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 11/20/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only
Action Date: 11/7/2013
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 4/18/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 4/18/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 4/25/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/30/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/6/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: NOTSHP

PROPERTY (Continued) **S114965503**

Action Date: 5/6/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/16/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: NOTSHP
Action Date: 6/16/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/2/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/24/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 7/30/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 7/30/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 7/7/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 8/7/2014
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0031813 / PSNC
Primary ID: Not reported
Official City: AMESBURY
Notification: 10/15/2013
Category: 120 DY
Status Date: 07/30/2014
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil and Hazardous Material

PROPERTY (Continued) **S114965503**

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

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	10/15/2013
Response Action Outcome:	Not reported
Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	10/15/2013
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	10/15/2013
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	10/17/2013
Response Action Outcome:	Not reported
Action Type:	Release Abatement Measure
Action Status:	Written Plan Received
Action Date:	10/30/2013
Response Action Outcome:	Not reported
Action Type:	Release Abatement Measure
Action Status:	Level I - Technical Screen Audit
Action Date:	10/31/2013
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	11/1/2013
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	11/19/2014
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	11/20/2014
Response Action Outcome:	Not reported
Action Type:	Release Abatement Measure
Action Status:	Fee Received - FMCRA Use Only
Action Date:	11/7/2013
Response Action Outcome:	Not reported
Action Type:	Release Abatement Measure
Action Status:	Modified Revised or Updated Plan Received
Action Date:	4/18/2014
Response Action Outcome:	Not reported

PROPERTY (Continued) **S114965503**

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 4/18/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 4/25/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/30/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/6/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: NOTSHP
Action Date: 5/6/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/16/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: NOTSHP
Action Date: 6/16/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/2/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/24/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 7/30/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 7/30/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC

PROPERTY (Continued) **S114965503**

Action Date: 7/7/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 8/7/2014
Response Action Outcome: Not reported

Chemicals:
Chemical: BENZO(A)PYRENE
Quantity: 8.12 milligrams per kilogram
Chemical: TPH
Quantity: 1509 milligrams per kilogram
Chemical: BENZO(B)FLOURANTHENE
Quantity: 9.93 milligrams per kilogram
Chemical: LEAD
Quantity: 1150 milligrams per kilogram
Chemical: PHENANTHRENE
Quantity: 20.07 milligrams per kilogram
Chemical: BENZO(A)ANTHRACENE
Quantity: 9.98 milligrams per kilogram
Chemical: DIBENZO(A,H)ANTHRACENE
Quantity: 1.78 milligrams per kilogram
Location Type: RESIDNTIAL
Source: UNKNOWN

N50 **SPACE AGE CLEANERS** **MA SHWS** **S108034618**
South **6 SCHOOL ST** **MA RELEASE** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA ASBESTOS**
0.641 mi. **MA ENF**
3385 ft. **Site 2 of 3 in cluster N**

Relative: Higher
Actual: 85 ft.

SHWS:
Release Tracking Number/Current Status: 3-0026060 / TIERII
Release Town: AMESBURY
Notification Date: 07/17/2006
Category: 120 DY
Associated ID: Not reported
Current Status: **Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date: 07/24/2007
Phase: PHASE II
Response Action Outcome: -
Oil Or Haz Material: Hazardous Material
Source: UNKNOWN

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

Chemicals:
Chemical: 1,2-DICHLOROETHENE
Quantity: 6.6 milligrams per kilogram
Chemical: 1,2,4-TRIMETHYLBENZENE

SPACE AGE CLEANERS (Continued) **S108034618**

Quantity: 490 milligrams per kilogram
Chemical: NAPHTHALENE
Quantity: 130 milligrams per kilogram
Chemical: TETRACHLOROETHYLENE
Quantity: 1800 milligrams per kilogram
Chemical: CARBON TETRACHLORIDE
Quantity: 18 micrograms per liter
Chemical: TRICHLOROETHENE
Quantity: 4.5 micrograms per liter

Actions:

Action Type: Compliance and Enforcement Action
Action Status: NORA
Action Date: 1/15/2010
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: RFI
Action Date: 10/12/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 10/12/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: Action Status or AUL Terminated
Action Date: 10/19/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 10/6/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 11/6/2009
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 12/20/2012
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 12/24/2007
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/24/2007
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: RMRINI

SPACE AGE CLEANERS (Continued) **S108034618**

Action Date: 12/24/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/27/2009
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 3/15/2007
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only
Action Date: 4/10/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/26/2010
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 5/11/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 5/4/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/2/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/3/2010
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 6/7/2007
Response Action Outcome: Not reported

SPACE AGE CLEANERS (Continued) **S108034618**

Action Type: FTLI
Action Status: APPREC
Action Date: 7/13/2015
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/17/2006
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/17/2006
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/17/2017
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/21/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/24/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 7/24/2007
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 7/24/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/5/2013
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 8/1/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: REFOTH
Action Date: 8/1/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC

SPACE AGE CLEANERS (Continued) **S108034618**

Action Date: 8/15/2016
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 8/17/2007
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 8/17/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 8/22/2013
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/28/2012
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/6/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/12/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/13/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/16/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/22/2015
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/25/2014
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 9/8/2008
Response Action Outcome: Not reported

SPACE AGE CLEANERS (Continued) **S108034618**

Release:

Release Tracking Number/Current Status:	3-0026060 / TIERII
Primary ID:	Not reported
Official City:	AMESBURY
Notification:	07/17/2006
Category:	120 DY
Status Date:	07/24/2007
Phase:	PHASE II
Response Action Outcome:	-
Oil / Haz Material Type:	Hazardous Material

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

Actions:

Action Type:	Compliance and Enforcement Action
Action Status:	NORA
Action Date:	1/15/2010
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	RFI
Action Date:	10/12/2007
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	10/12/2007
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	Action Status or AUL Terminated
Action Date:	10/19/2010
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPREC
Action Date:	10/6/2008
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	11/6/2009
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	12/20/2012
Response Action Outcome:	Not reported
Action Type:	Release Abatement Measure
Action Status:	Modified Revised or Updated Plan Received
Action Date:	12/24/2007
Response Action Outcome:	Not reported
Action Type:	Release Abatement Measure
Action Status:	Status or Interim Report Received

SPACE AGE CLEANERS (Continued) **S108034618**

Action Date: 12/24/2007
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: RMRINI
Action Date: 12/24/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/27/2009
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 3/15/2007
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only
Action Date: 4/10/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/26/2010
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 5/11/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 5/4/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/2/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/3/2010
Response Action Outcome: Not reported

SPACE AGE CLEANERS (Continued) **S108034618**

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 6/7/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/13/2015
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/17/2006
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/17/2006
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/17/2017
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/21/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/24/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 7/24/2007
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 7/24/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/5/2013
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 8/1/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: REFOTH

SPACE AGE CLEANERS (Continued) **S108034618**

Action Date: 8/1/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/15/2016
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 8/17/2007
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 8/17/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 8/22/2013
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/28/2012
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/6/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/12/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/13/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/16/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/22/2015
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/25/2014
Response Action Outcome: Not reported

SPACE AGE CLEANERS (Continued) **S108034618**

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 9/8/2008
Response Action Outcome: Not reported

Chemicals:
Chemical: 1,2-DICHLOROETHENE
Quantity: 6.6 milligrams per kilogram
Chemical: 1,2,4-TRIMETHYLBENZENE
Quantity: 490 milligrams per kilogram
Chemical: NAPHTHALENE
Quantity: 130 milligrams per kilogram
Chemical: TETRACHLOROETHYLENE
Quantity: 1800 milligrams per kilogram
Chemical: CARBON TETRACHLORIDE
Quantity: 18 micrograms per liter
Chemical: TRICHLOROETHENE
Quantity: 4.5 micrograms per liter
Source: UNKNOWN

ASBESTOS:
Notification: 100228188
DEP Region: NE
Notifiers Name: ENCORE CONTRACTING SERVICES INC
Start Date: 09/17/2015
End Date: 09/23/2015
Date Entered: 04/09/2015
Entry Date: 09/04/2015
Quantity Materical Removed SF: 80
Quantity Material Removed LF: Not reported
Project Description: OTHER ROOF FLASHING
AR Tracking ID: Not reported
Super Lic Number: Not reported
Monitor Lic Number: Not reported
Lab Lic Number: Not reported
Year: Not reported
Sticker Number: Not reported
Form Type: Not reported
Fee Status: Not reported
Facility Phone: Not reported
Sub Town: Not reported
Worksite: Not reported
Occupied: Not reported
Contractor: Not reported
Contract Type: Not reported
Hours: Not reported
Project Type: Not reported
Abatement Process: Not reported
Location: Not reported
Decon Process: Not reported
Disposal Methods: Not reported
Facility Usage: Not reported
Waiver Given: Not reported
DEP Waiver Number: Not reported
DLWD Waiver Number: Not reported
Small Owner Occ: Not reported

SPACE AGE CLEANERS (Continued) **S108034618**

Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported
Notification:	100228188R1
DEP Region:	NE
Notifiers Name:	ENCORE CONTRACTING SERVICES INC
Start Date:	09/17/2015
End Date:	09/23/2015
Date Entered:	17/09/2015
Entry Date:	09/17/2015
Quantity Materical Removed SF:	80
Quantity Material Removed LF:	Not reported
Project Description:	OTHER ROOF FLASHING
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported

SPACE AGE CLEANERS (Continued) **S108034618**

Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported
Notification:	100228188R2
DEP Region:	NE
Notifiers Name:	ENCORE CONTRACTING SERVICES INC
Start Date:	09/17/2015
End Date:	09/23/2015
Date Entered:	21/09/2015
Entry Date:	09/21/2015
Quantity Materical Removed SF:	80
Quantity Material Removed LF:	Not reported
Project Description:	OTHER ROOF FLASHING
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported

SPACE AGE CLEANERS (Continued) **S108034618**

Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported
Notification:	100029823
DEP Region:	NE
Notifiers Name:	YANKEE ENVIRONMENTAL SERVICES INC
Start Date:	03/28/2006
End Date:	03/28/2006
Date Entered:	14/03/2006
Entry Date:	03/14/2006
Quantity Materical Removed SF:	60
Quantity Material Removed LF:	50
Project Description:	Blr,Spr,Insl
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported

SPACE AGE CLEANERS (Continued) **S108034618**

Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported

ENFORCEMENT:

Region:	NERO
DEP Region:	NERO
DEP Program:	3R
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0026060
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	10/12/2007
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Individually Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3R
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0026060
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported

SPACE AGE CLEANERS (Continued) **S108034618**

Date Executed:	05/11/2007
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

M51 **TEKE FURNITURE RESTORATION** **MA SHWS** **S120630262**
SE **6 MORRILL STREET** **MA INST CONTROL** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA RELEASE**
0.641 mi.
3386 ft. **Site 2 of 2 in cluster M**

Relative:
Lower

Actual:
52 ft.

SHWS:

Release Tracking Number/Current Status:	3-0034070 / PSC
Release Town:	AMESBURY
Notification Date:	01/27/2017
Category:	120 DY
Associated ID:	Not reported
Current Status:	**PSC**
Status Date:	02/24/2017
Phase:	PHASE II
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material
Source:	UNKNOWN

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

Chemicals:

Chemical:	ARSENIC
Quantity:	21 milligrams per kilogram
Chemical:	LEAD
Quantity:	2600 milligrams per kilogram

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	1/27/2017
Response Action Outcome:	Not reported
Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	1/27/2017
Response Action Outcome:	Not reported
Action Type:	RNF

TEKE FURNITURE RESTORATION (Continued) **S120630262**

Action Status: Reportable Release under MGL 21E
Action Date: 1/27/2017
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 2/15/2017
Response Action Outcome: Not reported

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/23/2017
Response Action Outcome: Not reported

Action Type: Activity and Use Limitation
Action Status: Confirmatory AUL received
Action Date: 2/23/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSARCD
Action Date: 2/24/2017
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 2/24/2017
Response Action Outcome: Not reported

Action Type: Activity and Use Limitation
Action Status: Fee Received - FMCRA Use Only
Action Date: 3/2/2017
Response Action Outcome: Not reported

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 3/9/2017
Response Action Outcome: Not reported

INST CONTROL:
Release Tracking Number: 3-0034070
Action Type: AUL
Action Stat: CONFRM
Action Date: 02/23/2017
Response Action Outcome: -

Release Tracking Number: 3-0034070
Action Type: AUL
Action Stat: FEEREC
Action Date: 03/02/2017
Response Action Outcome: -

Release Tracking Number: 3-0034070
Action Type: AUL
Action Stat: LEGNOT
Action Date: 03/09/2017

TEKE FURNITURE RESTORATION (Continued) **S120630262**

Response Action Outcome: -

Release Tracking Number: 3-0034070
Action Type: AUL
Action Stat: RECPT
Action Date: 02/23/2017
Response Action Outcome: -

Release:
Release Tracking Number/Current Status: 3-0034070 / PSC
Primary ID: Not reported
Official City: AMESBURY
Notification: 01/27/2017
Category: 120 DY
Status Date: 02/24/2017
Phase: PHASE II
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 1/27/2017
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/27/2017
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 1/27/2017
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 2/15/2017
Response Action Outcome: Not reported

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/23/2017
Response Action Outcome: Not reported

Action Type: Activity and Use Limitation
Action Status: Confirmatory AUL received
Action Date: 2/23/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSARCD
Action Date: 2/24/2017
Response Action Outcome: Not reported

TEKE FURNITURE RESTORATION (Continued) **S120630262**

Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	2/24/2017
Response Action Outcome:	Not reported
Action Type:	Activity and Use Limitation
Action Status:	Fee Received - FMCRA Use Only
Action Date:	3/2/2017
Response Action Outcome:	Not reported
Action Type:	Activity and Use Limitation
Action Status:	Legal Notice Published
Action Date:	3/9/2017
Response Action Outcome:	Not reported

Chemicals:

Chemical:	ARSENIC
Quantity:	21 milligrams per kilogram
Chemical:	LEAD
Quantity:	2600 milligrams per kilogram
Source:	UNKNOWN

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52 **AMESBURY AND SALISBURY GAS LIGHT CO** **EDR MGP** **1008408399**
SSE **COUNTY ROAD** **N/A**
1/2-1 **AMESBURY, MA 1913**
0.644 mi.
3399 ft.

Relative: **Lower**

Actual: **25 ft.**

Manufactured Gas Plants:
Alternate Name:HAVERHILL GAS LIGHT CO. No additional information available

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O53 **MICHAUDS GARAGE** **MA SHWS** **S113805115**
SSW **96-98 FRIEND STREET** **MA RELEASE** **N/A**
1/2-1 **AMESBURY, MA 01913**
0.647 mi.
3416 ft. **Site 2 of 2 in cluster O**

Relative: **Higher**

Actual: **84 ft.**

SHWS:

Release Tracking Number/Current Status:	3-0031607 / RAO
Release Town:	AMESBURY
Notification Date:	06/20/2013
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	08/23/2013
Phase:	PHASE II
Response Action Outcome:	B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil Or Haz Material:	Hazardous Material
Source:	UNKNOWN

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

MICHAUDS GARAGE (Continued) **S113805115**

Chemicals:
Chemical: LEAD
Quantity: 0.43 milligrams per liter

Actions:
Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 1/10/2014
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/20/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/20/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/20/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/11/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 8/23/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/23/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Release:
Release Tracking Number/Current Status: 3-0031607 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 06/20/2013
Category: 120 DY
Status Date: 08/23/2013
Phase: PHASE II
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No

MICHAUDS GARAGE (Continued) **S113805115**

Significant Risk exists.
Oil / Haz Material Type: Hazardous Material

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

Actions:

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 1/10/2014
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/20/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/20/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/20/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/11/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 8/23/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/23/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:

Chemical: LEAD
Quantity: 0.43 milligrams per liter
Source: UNKNOWN

N54 **GOODWIN CREEK MARINA** **MA SHWS** **S118947397**
South **14 PLEASANT STREET** **MA LUST** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA RELEASE**
0.664 mi.
3505 ft. **Site 3 of 3 in cluster N**

Relative:
Higher

Actual:
90 ft.

SHWS:

Release Tracking Number/Current Status:	3-0033647 / PSNC
Release Town:	AMESBURY
Notification Date:	06/28/2016
Category:	72 HR
Associated ID:	Not reported
Current Status:	**PSNC**
Status Date:	08/22/2016
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	UST
Source:	TANK
Source:	USTPIPE

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

Chemicals:

Chemical:	GASOLINE
Quantity:	2700 parts per million

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	6/28/2016
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	6/28/2016
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	7/21/2016
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of a Modified Plan
Action Date:	7/6/2016
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	7/6/2016
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	7/7/2016
Response Action Outcome:	Not reported

GOODWIN CREEK MARINA (Continued) **S118947397**

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/10/2016
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/10/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/22/2016
Response Action Outcome: Not reported

LUST:

Facility:
Release Tracking Number/Current Status: 3-0033647 / PSNC
Status Date: 08/22/2016
Source Type: USTPIPE
Release Town: AMESBURY
Notification Date: 06/28/2016
Category: 72 HR
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: UST
Source: TANK
Source: USTPIPE

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

Chemicals:
Chemical: GASOLINE
Quantity: 2700 parts per million

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/28/2016

GOODWIN CREEK MARINA (Continued) **S118947397**

Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/28/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/21/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 7/6/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/6/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/7/2016
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/10/2016
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/10/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/22/2016
Response Action Outcome: Not reported

Facility:
Release Tracking Number/Current Status: 3-0033647 / PSNC
Status Date: 08/22/2016
Source Type: UST

GOODWIN CREEK MARINA (Continued) **S118947397**

Release Town:	AMESBURY
Notification Date:	06/28/2016
Category:	72 HR
Associated ID:	Not reported
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	UST
Source:	TANK
Source:	USTPIPE

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

Chemicals:

Chemical:	GASOLINE
Quantity:	2700 parts per million

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	6/28/2016
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	6/28/2016
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	7/21/2016
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of a Modified Plan
Action Date:	7/6/2016
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	7/6/2016
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	7/7/2016
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	8/10/2016
Response Action Outcome:	Not reported

GOODWIN CREEK MARINA (Continued) **S118947397**

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/10/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/22/2016
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0033647 / PSNC
Primary ID: Not reported
Official City: AMESBURY
Notification: 06/28/2016
Category: 72 HR
Status Date: 08/22/2016
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/28/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/28/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/21/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 7/6/2016
Response Action Outcome: Not reported

Action Type: RLFA

GOODWIN CREEK MARINA (Continued) **S118947397**

Action Status: FOLOFF
Action Date: 7/6/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/7/2016
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/10/2016
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/10/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/22/2016
Response Action Outcome: Not reported

Chemicals:
Chemical: GASOLINE
Quantity: 2700 parts per million
Location Type: COMMERCIAL
Source: UST
Source: TANK
Source: USTPIPE

55
SSE
1/2-1
0.672 mi.
3547 ft.

Relative:
Lower

Actual:
22 ft.

NO LOCATION AID
35 WATER ST
AMESBURY, MA 01913

MA SHWS **S104905215**
MA INST CONTROL **N/A**
MA RELEASE
MA ASBESTOS
MA ENF
MA HW GEN

SHWS:
Release Tracking Number/Current Status: 3-0004108 / RAO
Release Town: AMESBURY
Notification Date: 10/15/1992
Category: NONE
Associated ID: 3-0004108
Current Status: **Response Action Outcome**
Status Date: 01/20/2010

NO LOCATION AID (Continued) **S104905215**

Phase: Not reported
Response Action Outcome: A4 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.
Oil Or Haz Material: Oil
Location Type: MANUFACT
Source: UNKNOWN
Source: UNCONTAIN

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

Chemicals:
Chemical: PETROLEUM
Quantity: Not reported

Actions:
Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 1/16/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 1/17/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 1/20/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/20/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 1/30/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

NO LOCATION AID (Continued) **S104905215**

Action Type: TREGS
Action Status: WAVSIG
Action Date: 1/7/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 5
Action Status: Completion Statement Received
Action Date: 1/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: RMRFIN
Action Date: 1/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 1/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 10/15/1992
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 11/3/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 11/6/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification

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Action Status: Tier 2 Extension
Action Date: 11/6/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 1B Classification
Action Date: 11/8/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/9/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 12/13/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 2/15/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 2/26/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/8/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: TREGS
Action Status: WAVACC

NO LOCATION AID (Continued) **S104905215**

Action Date: 2/8/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 2/8/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 2/9/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 3/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 3/13/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 4
Action Status: Completion Statement Received
Action Date: 3/22/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: An activity type that is related to an Audit
Action Status: Notice of Non-compliance related to an Audit
Action Date: 3/4/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 4/17/2002

NO LOCATION AID (Continued) **S104905215**

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/14/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 5/25/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 5/29/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 6/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: An activity type that is related to an Audit
Action Status: NON-A
Action Date: 6/24/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: TREGS
Action Status: WAVREC
Action Date: 7/30/1993
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 7/30/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

NO LOCATION AID (Continued) **S104905215**

reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 7/9/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 4
Action Status: Written Plan Received
Action Date: 8/12/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 9/25/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 9/25/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received
Action Date: 9/30/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BWS02
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BWS20
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has

NO LOCATION AID (Continued) **S104905215**

been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Release Tracking Number/Current Status:	3-0020198 / RAONR
Release Town:	AMESBURY
Notification Date:	09/25/2000
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Response Action Outcome Not Required**
Status Date:	11/08/2001
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material

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

Chemicals:

Chemical:	LEAD
Quantity:	150000 milligrams per kilogram

Actions:

Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	1/30/2002
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	1/31/2001
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Extension
Action Date:	11/6/2000
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 1B Classification
Action Date:	11/8/2001
Response Action Outcome:	Not reported
Action Type:	RAO Not Required
Action Status:	Linked to a Tier Classified Site
Action Date:	11/8/2001
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Extension
Action Date:	11/9/1998
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	2/15/2002
Response Action Outcome:	Not reported

NO LOCATION AID (Continued) **S104905215**

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 2/26/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/8/1994
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 2/8/1999
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 3/13/2002
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/14/2004
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 5/25/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 6/13/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 7/9/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 9/25/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 9/25/2000
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/25/2000
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site

NO LOCATION AID (Continued) **S104905215**

Action Date: 9/25/2000
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 9/25/2000
Response Action Outcome: Not reported

Release Tracking Number/Current Status: 3-0004108 / RAO
Release Town: AMESBURY
Notification Date: 10/15/1992
Category: NONE
Associated ID: 3-0004108
Current Status: **Response Action Outcome**
Status Date: 01/20/2010
Phase: Not reported
Response Action Outcome: A4 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.
Oil Or Haz Material: Oil
Location Type: MANUFACT
Source: UNKNOWN
Source: UNCONTAIN

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

Chemicals:
Chemical: PETROLEUM
Quantity: Not reported

Actions:
Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 1/16/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 1/17/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 1/20/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

NO LOCATION AID (Continued) **S104905215**

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 1/20/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 1/30/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: TREGS
Action Status: WAVSIG
Action Date: 1/7/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 5
Action Status: Completion Statement Received
Action Date: 1/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: RMRFIN
Action Date: 1/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 1/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 10/15/1992
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: RLFA

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Action Status: FLDRAN
Action Date: 11/3/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 11/6/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/6/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 1B Classification
Action Date: 11/8/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/9/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 12/13/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 2/15/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received

NO LOCATION AID (Continued) **S104905215**

Action Date: 2/26/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/8/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: TREGS
Action Status: WAVACC
Action Date: 2/8/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 2/8/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 2/9/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 3/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 3/13/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 4
Action Status: Completion Statement Received
Action Date: 3/22/2004

NO LOCATION AID (Continued) **S104905215**

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: An activity type that is related to an Audit
Action Status: Notice of Non-compliance related to an Audit
Action Date: 3/4/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 4/17/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/14/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 5/25/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 5/29/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 6/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: An activity type that is related to an Audit
Action Status: NON-A
Action Date: 6/24/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

NO LOCATION AID (Continued) **S104905215**

reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: TREGS
Action Status: WAVREC
Action Date: 7/30/1993
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 7/30/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 7/9/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 4
Action Status: Written Plan Received
Action Date: 8/12/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 9/25/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 9/25/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received
Action Date: 9/30/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has

NO LOCATION AID (Continued) **S104905215**

been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BWS02
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BWS20
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

INST CONTROL:
Release Tracking Number: 3-0004108
Action Type: AUL
Action Stat: LEGNOT
Action Date: 03/13/2010
Response Action Outcome: A4 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Release Tracking Number: 3-0004108
Action Type: AUL
Action Stat: RECPT
Action Date: 01/20/2010
Response Action Outcome: A4 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Release:
Release Tracking Number/Current Status: 3-0004108 / RAO
Primary ID: 3-0004108
Official City: AMESBURY
Notification: 10/15/1992
Category: NONE
Status Date: 01/20/2010
Phase: Not reported
Response Action Outcome: A4 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.
Oil / Haz Material Type: Oil

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

NO LOCATION AID (Continued) **S104905215**

Actions:

Action Type:	Phase 2
Action Status:	Scope of Work Received
Action Date:	1/16/2001
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.
Action Type:	RLFA
Action Status:	FLDRAN
Action Date:	1/17/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	1/20/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.
Action Type:	Activity and Use Limitation
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	1/20/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	1/30/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.
Action Type:	TREGS
Action Status:	WAVSIG
Action Date:	1/7/1994
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.
Action Type:	Phase 5
Action Status:	Completion Statement Received
Action Date:	1/8/2010
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

NO LOCATION AID (Continued) **S104905215**

Action Type: Release Abatement Measure
Action Status: RMRFIN
Action Date: 1/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 1/8/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 10/15/1992
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 11/3/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 11/6/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/6/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 1B Classification
Action Date: 11/8/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification

NO LOCATION AID (Continued) **S104905215**

Action Status: Tier 2 Extension
Action Date: 11/9/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 12/13/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 2/15/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 2/26/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/8/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: TREGS
Action Status: WAVACC
Action Date: 2/8/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 2/8/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received

NO LOCATION AID (Continued) **S104905215**

Action Date: 2/9/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 3/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 3/13/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 4
Action Status: Completion Statement Received
Action Date: 3/22/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: An activity type that is related to an Audit
Action Status: Notice of Non-compliance related to an Audit
Action Date: 3/4/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 4/17/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/14/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 5/25/2007

NO LOCATION AID (Continued) **S104905215**

Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 5/29/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 6/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: An activity type that is related to an Audit
Action Status: NON-A
Action Date: 6/24/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: TREGS
Action Status: WAVREC
Action Date: 7/30/1993
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 7/30/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 7/9/2007
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Phase 4
Action Status: Written Plan Received
Action Date: 8/12/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

NO LOCATION AID (Continued) **S104905215**

reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 9/25/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 9/25/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received
Action Date: 9/30/2011
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BWS02
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Action Type: BWS20
Action Status: APPROV
Action Date: Not reported
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented. Contamination is located at a depth of >15 feet but evaluation has determined that it is not feasible to reduce it.

Chemicals:
Chemical: PETROLEUM
Quantity: Not reported
Location Type: MANUFACT
Source: UNKNOWN
Source: UNCONTAIN

Release Tracking Number/Current Status: 3-0020198 / RAONR
Primary ID: Not reported
Official City: AMESBURY
Notification: 09/25/2000
Category: 120 DY
Status Date: 11/08/2001

NO LOCATION AID (Continued) **S104905215**

Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 1/30/2002
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 1/31/2001
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/6/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 1B Classification
Action Date: 11/8/2001
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 11/8/2001
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 11/9/1998
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 2/15/2002
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 2/26/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/8/1994
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 2/8/1999
Response Action Outcome: Not reported

NO LOCATION AID (Continued) **S104905215**

Action Type: Tier Classification
Action Status: Permit Effective Date
Action Date: 3/13/2002
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 5/14/2004
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 5/25/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 6/13/2002
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Permit Extension Received
Action Date: 7/9/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Extension
Action Date: 9/25/2000
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 9/25/2000
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/25/2000
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 9/25/2000
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 9/25/2000
Response Action Outcome: Not reported

Chemicals:
Chemical: LEAD
Quantity: 150000 milligrams per kilogram

ASBESTOS:
Notification: 761954

NO LOCATION AID (Continued) **S104905215**

DEP Region:	NE
Notifiers Name:	A-QUALITY REMOVAL INC
Start Date:	08/23/2002
End Date:	08/23/2002
Date Entered:	05/08/2002
Entry Date:	08/05/2002
Quantity Materical Removed SF:	Not reported
Quantity Material Removed LF:	100
Project Description:	Corrugated Pipe
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported

ENFORCEMENT:
Region: NERO

NO LOCATION AID (Continued) **S104905215**

DEP Region:	NERO
DEP Program:	3A
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0004108
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	06/24/2011
ENF #:	NON-NE-11-3A023-A
Document Type:	NON
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Y
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Individually Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3A
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0004108
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	03/04/2011
ENF #:	NON-NE-11-3A023
Document Type:	NON
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Y
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Individually Owned

HW GEN:
EPA Id: MV9783880085

NO LOCATION AID (Continued) **S104905215**

RCRA Generator Status: Not reported
State Generator Status: VQG-MA

56
SE
1/2-1
0.690 mi.
3641 ft.

CADO FABRICATIONS INC
144 ELM ST
AMESBURY, MA 01913

MA SHWS **1000325300**
MA RELEASE **MAD001771831**
RCRA NonGen / NLR
MA AIRS

Relative:
Lower

Actual:
55 ft.

SHWS:

Release Tracking Number/Current Status:	3-0017557 / RAO
Release Town:	AMESBURY
Notification Date:	08/04/1998
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	11/27/2001
Phase:	PHASE III
Response Action Outcome:	B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil Or Haz Material:	Hazardous Material
Location Type:	INDUSTRIAL
Source:	UNKNOWN

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

Chemicals:

Chemical:	1,2-DICHLOROETHANE
Quantity:	1004 micrograms per liter

Actions:

Action Type:	Phase 2
Action Status:	Scope of Work Received
Action Date:	1/23/2001
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.
Action Type:	Response Action Outcome - RAO
Action Status:	Level I - Technical Screen Audit
Action Date:	10/16/2013
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.
Action Type:	An activity type that is related to an Audit
Action Status:	NOA
Action Date:	11/24/1998
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	11/27/2001
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.
Action Type:	Phase 2
Action Status:	Completion Statement Received

CADO FABRICATIONS INC (Continued) **1000325300**

Action Date:	11/27/2001
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.
Action Type:	An activity type that is related to an Audit
Action Status:	Notice of Non-compliance related to an Audit
Action Date:	4/14/1999
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.
Action Type:	Downgradient Property Status
Action Status:	Action Status or AUL Terminated
Action Date:	4/21/1999
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	8/4/1998
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.
Action Type:	Downgradient Property Status
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	8/4/1998
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	8/4/1999
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	8/4/1999
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	8/4/1999
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Release Tracking Number/Current Status:	3-0031852 / RAO
Release Town:	AMESBURY
Notification Date:	11/04/2013
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	01/08/2014
Phase:	Not reported
Response Action Outcome:	A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

CADO FABRICATIONS INC (Continued) **1000325300**

Oil Or Haz Material: Hazardous Material
Location Type: COMMERCIAL
Source: FACILITY
Source: EQUIPMENT

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

Chemicals:
Chemical: HEPTANE (N-HEPTANE)
Quantity: 33 gallons
Chemical: HEPTANE (N-HEPTANE)
Quantity: 55 gallons

Actions:
Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 1/8/2014
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/22/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 11/4/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 11/4/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 11/4/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/27/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/27/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

CADO FABRICATIONS INC (Continued) **1000325300**

Release Tracking Number/Current Status:	3-0004855 / RAO
Release Town:	AMESBURY
Notification Date:	04/20/1994
Category:	NONE
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	10/03/1994
Phase:	PHASE II
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material:	Oil
Location Type:	REPAIRYARD
Location Type:	COMMERCIAL
Location Type:	FORMER
Location Type:	GASSTATION
Location Type:	INDUSTRIAL
Source:	UNKNOWN

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

Chemicals:

Chemical:	PETROLEUM
Quantity:	Not reported

Actions:

Action Type:	Response Action Outcome - RAO
Action Status:	Level I - Technical Screen Audit
Action Date:	10/14/2013
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	10/3/1994
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	10/3/1994
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	An activity type that is related to an Audit
Action Status:	NOA
Action Date:	11/24/1998
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	4/20/1994
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)

CADO FABRICATIONS INC (Continued) **1000325300**

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/20/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/20/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release Tracking Number/Current Status: 3-0031852 / RAO
Release Town: AMESBURY
Notification Date: 11/04/2013
Category: TWO HR
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 01/08/2014
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material: Hazardous Material
Location Type: COMMERCIAL
Source: FACILITY
Source: EQUIPMENT

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

Chemicals:
Chemical: HEPTANE (N-HEPTANE)
Quantity: 33 gallons
Chemical: HEPTANE (N-HEPTANE)
Quantity: 55 gallons

Actions:
Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 1/8/2014
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/22/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 11/4/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E

CADO FABRICATIONS INC (Continued) **1000325300**

Action Date: 11/4/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 11/4/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/27/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/27/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release:
Release Tracking Number/Current Status: 3-0004855 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 04/20/1994
Category: NONE
Status Date: 10/03/1994
Phase: PHASE II
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 10/14/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 10/3/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 10/3/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

CADO FABRICATIONS INC (Continued) **1000325300**

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 11/24/1998
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 4/20/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/20/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/20/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: PETROLEUM
Quantity: Not reported
Location Type: REPAIRYARD
Location Type: COMMERCIAL
Location Type: FORMER
Location Type: GASSTATION
Location Type: INDUSTRIAL
Source: UNKNOWN

Release Tracking Number/Current Status: 3-0017557 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 08/04/1998
Category: 120 DY
Status Date: 11/27/2001
Phase: PHASE III
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 1/23/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

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

CADO FABRICATIONS INC (Continued) **1000325300**

Action Date: 10/16/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 11/24/1998
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 11/27/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 11/27/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: Notice of Non-compliance related to an Audit
Action Date: 4/14/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Downgradient Property Status
Action Status: Action Status or AUL Terminated
Action Date: 4/21/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/4/1998
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Downgradient Property Status
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/4/1998
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/4/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 8/4/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

CADO FABRICATIONS INC (Continued) **1000325300**

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 8/4/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:
Chemical: 1,2-DICHLOROETHANE
Quantity: 1004 micrograms per liter
Location Type: INDUSTRIAL
Source: UNKNOWN

Release Tracking Number/Current Status: 3-0031852 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 11/04/2013
Category: TWO HR
Status Date: 01/08/2014
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 1/8/2014
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/22/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 11/4/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 11/4/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: FLDISS
Action Date: 11/4/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

CADO FABRICATIONS INC (Continued) **1000325300**

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/27/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/27/2013
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: HEPTANE (N-HEPTANE)
Quantity: 33 gallons
Chemical: HEPTANE (N-HEPTANE)
Quantity: 55 gallons
Location Type: COMMERCIAL
Source: FACILITY
Source: EQUIPMENT

RCRA NonGen / NLR:
Date form received by agency: 04/30/2008
Facility name: CADO FABRICATIONS INC
Facility address: 144 ELM ST
AMESBURY, MA 01913
EPA ID: MAD001771831
Contact: RICK CAYER
Contact address: 144 ELM ST
AMESBURY, MA 01913-0000
Contact country: US
Contact telephone: 978-388-9436
Contact email: Not reported
EPA Region: 01
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: JA RICHARD CAYER SR
Owner/operator address: 144 ELM ST
AMESBURY, MA 01913
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/01/1965
Owner/Op end date: Not reported

Owner/operator name: JA RICHARD CAYER SR
Owner/operator address: 144 ELM ST
AMESBURY, MA 01913
Owner/operator country: US

CADO FABRICATIONS INC (Continued) **1000325300**

Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/01/1965
Owner/Op end date: Not reported

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

Historical Generators:
Date form received by agency: 08/11/1980
Site name: CADO FABRICATIONS INC
Classification: Small Quantity Generator

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS

Facility Has Received Notices of Violations:
Regulation violated: SR - 685(1)
Area of violation: State Statute or Regulation

CADO FABRICATIONS INC (Continued) **1000325300**

Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 686
Area of violation: Generators - Pre-transport
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 685(1)
Area of violation: Generators - General
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 682
Area of violation: State Statute or Regulation
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(f)
Area of violation: Generators - General
Date violation determined: 04/01/1999

CADO FABRICATIONS INC (Continued) **1000325300**

Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 353(9)
Area of violation: State Statute or Regulation
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(j)
Area of violation: Generators - General
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 313(2)(b)&(3)(b)
Area of violation: Generators - Manifest
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 351(4)(C)
Area of violation: Generators - Pre-transport
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000

CADO FABRICATIONS INC (Continued) **1000325300**

Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 362
Area of violation: Generators - Pre-transport
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(b)
Area of violation: Generators - General
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 302
Area of violation: Generators - General
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 351(9)(c)6.a-d
Area of violation: Generators - Pre-transport
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State

CADO FABRICATIONS INC (Continued) **1000325300**

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 685(4)
Area of violation: Generators - General
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(k)
Area of violation: Generators - General
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 686
Area of violation: Generators - General
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(k)
Area of violation: State Statute or Regulation
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

CADO FABRICATIONS INC (Continued) **1000325300**

Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(j)
Area of violation: State Statute or Regulation
Date violation determined: 04/01/1999
Date achieved compliance: 03/10/2000
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/20/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 14250
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 03/10/2000
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/10/2000
Evaluation lead agency: State

Evaluation date: 03/10/2000
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - General
Date achieved compliance: 03/10/2000
Evaluation lead agency: State

Evaluation date: 03/10/2000
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - Manifest
Date achieved compliance: 03/10/2000
Evaluation lead agency: State

Evaluation date: 03/10/2000
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: State Statute or Regulation
Date achieved compliance: 03/10/2000
Evaluation lead agency: State

Evaluation date: 04/01/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 03/10/2000
Evaluation lead agency: State

Evaluation date: 04/01/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 03/10/2000

CADO FABRICATIONS INC (Continued) **1000325300**

Evaluation lead agency: State

Evaluation date: 04/01/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/10/2000
Evaluation lead agency: State

Evaluation date: 04/01/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/10/2000
Evaluation lead agency: State

AIRS:
Address 2: Not reported
Facility Status: APPROV
Permit Code: AQ02
Permit Name: Plan Approval Non-Major Comprehensive
DEP Region: NE
Application Tracking Number: W010187
Date Closed: 06/14/2000
Applicant Name: CADO FABRICATIONS INC
Applicant Address: 144 ELM ST
Applicant City,St,Zip: AMESBURY, MA 01913
Applicant Telephone: 9783889436
AQID: Not reported
Pollutant: Not reported
Actual Emission: Not reported
Emissions Year: Not reported

P57 **FORMER AMESBURY METAL PRODUCTS** **MA SHWS** **S122423073**
SSE **33-39 OAKLAND ST** **N/A**
1/2-1 **AMESBURY, MA 01913**
0.754 mi.
3982 ft. **Site 1 of 2 in cluster P**

Relative:
Lower

Actual:
14 ft.

SHWS:
Release Tracking Number/Current Status: 3-0034747 / UNCLSS
Release Town: AMESBURY
Notification Date: 01/30/2018
Category: TWO HR
Associated ID: Not reported
Current Status: **Unclassified**
Status Date: 01/30/2018
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Hazardous Material
Location Type: RESIDNTIAL
Location Type: PRIVPROP
Source: FORMER
Source: INDUSTRIA
Source: USE

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

FORMER AMESBURY METAL PRODUCTS (Continued) **S122423073**

Chemicals:
Chemical: ETHENE, 1,2-DICHLORO-, (Z)
Quantity: 15 UG/M3
Chemical: TRICHLOROETHYLENE
Quantity: 31 UG/M3

Actions:
Action Type: RLFA
Action Status: FLDDO
Action Date: 1/24/2018
Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead
Action Status: Oral Approval of a Modified Plan
Action Date: 1/26/2018
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDDO
Action Date: 1/26/2018
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDDO
Action Date: 1/29/2018
Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead
Action Status: Work Started
Action Date: 1/30/2018
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 1/30/2018
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/31/2018
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 2/8/2018
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 3/29/2018
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 3/6/2018
Response Action Outcome: Not reported

FORMER AMESBURY METAL PRODUCTS (Continued) **S122423073**

Release Tracking Number/Current Status:	3-0034747 / UNCLSS
Release Town:	AMESBURY
Notification Date:	01/30/2018
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**Unclassified**
Status Date:	01/30/2018
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material
Location Type:	RESIDNTIAL
Location Type:	PRIVPROP
Source:	FORMER
Source:	INDUSTRIA
Source:	USE

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

Chemicals:

Chemical:	ETHENE, 1,2-DICHLORO-, (Z)
Quantity:	15 UG/M3
Chemical:	TRICHLOROETHYLENE
Quantity:	31 UG/M3

Actions:

Action Type:	RLFA
Action Status:	FLDDO
Action Date:	1/24/2018
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action - DEP Lead
Action Status:	Oral Approval of a Modified Plan
Action Date:	1/26/2018
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FLDDO
Action Date:	1/26/2018
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FLDDO
Action Date:	1/29/2018
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action - DEP Lead
Action Status:	Work Started
Action Date:	1/30/2018
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	1/30/2018
Response Action Outcome:	Not reported
Action Type:	RLFA

FORMER AMESBURY METAL PRODUCTS (Continued) **S122423073**

Action Status:	FOLOFF
Action Date:	1/31/2018
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	2/8/2018
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	3/29/2018
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	3/6/2018
Response Action Outcome:	Not reported

Release Tracking Number/Current Status:	3-0034747 / UNCLSS
Release Town:	AMESBURY
Notification Date:	01/30/2018
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**Unclassified**
Status Date:	01/30/2018
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material
Location Type:	RESIDNTIAL
Location Type:	PRIVPROP
Source:	FORMER
Source:	INDUSTRIA
Source:	USE

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

Chemicals:

Chemical:	ETHENE, 1,2-DICHLORO-, (Z)
Quantity:	15 UG/M3
Chemical:	TRICHLOROETHYLENE
Quantity:	31 UG/M3

Actions:

Action Type:	RLFA
Action Status:	FLDDO
Action Date:	1/24/2018
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action - DEP Lead
Action Status:	Oral Approval of a Modified Plan
Action Date:	1/26/2018
Response Action Outcome:	Not reported
Action Type:	RLFA

FORMER AMESBURY METAL PRODUCTS (Continued) **S122423073**

Action Status:	FLDDO
Action Date:	1/26/2018
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FLDDO
Action Date:	1/29/2018
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action - DEP Lead
Action Status:	Work Started
Action Date:	1/30/2018
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	1/30/2018
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	1/31/2018
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	2/8/2018
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	3/29/2018
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLFLD
Action Date:	3/6/2018
Response Action Outcome:	Not reported

P58 **AT MARSTON ST** **MA SHWS** **S103043211**
SSE **33-39 OAKLAND ST** **MA INST CONTROL** **N/A**
1/2-1 **AMESBURY, MA 01913** **MA RELEASE**
0.754 mi.
3982 ft. **Site 2 of 2 in cluster P**

Relative:
Lower

Actual:
14 ft.

SHWS:

Release Tracking Number/Current Status:	3-0013096 / RAO
Release Town:	AMESBURY
Notification Date:	10/30/1995
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	10/14/1997
Phase:	PHASE II
Response Action Outcome:	A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

AT MARSTON ST (Continued) **S103043211**

Oil Or Haz Material: Hazardous Material
Source: UNKNOWN

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

Chemicals:
Chemical: 1,1-DICHLOROETHENE
Quantity: 0.25 milligrams per liter
Chemical: 1,2-DICHLOROETHANE
Quantity: 0.12 milligrams per liter
Chemical: VINYL CHLORIDE
Quantity: 0.7 milligrams per liter
Chemical: LEAD
Quantity: 0.098 milligrams per liter
Chemical: TETRACHLOROETHENE
Quantity: 110 milligrams per kilogram
Chemical: ETHENE, TRICHLORO-
Quantity: 1000 parts per million
Chemical: CYANIDE
Quantity: 0.07 milligrams per liter
Chemical: 1,2-DICHLOROETHENE
Quantity: 4.5 milligrams per kilogram
Chemical: NICKEL
Quantity: 0.37 milligrams per liter
Chemical: TRICHLOROETHENE
Quantity: 4300 milligrams per kilogram
Chemical: MERCURY
Quantity: 0.002 milligrams per liter
Chemical: BERYLLIUM
Quantity: 1.1 milligrams per kilogram
Chemical: TETRACHLOROETHANE
Quantity: 5.9 milligrams per liter
Chemical: TRICHLOROETHENE
Quantity: 1000 milligrams per liter

Actions:
Action Type: RLFA
Action Status: FOLFLD
Action Date: 1/22/2018
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 10/14/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 10/14/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

AT MARSTON ST (Continued) **S103043211**

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/14/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Release or TOR Less than Reporting Requirement
Action Date: 10/30/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: IRA Assessment Only
Action Date: 10/30/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/30/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/8/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 11/2/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 11/2/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 11/22/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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

AT MARSTON ST (Continued) **S103043211**

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/27/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/1/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 12/1/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: PIP
Action Status: Public Involvement Petition Received
Action Date: 12/16/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/16/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 12/16/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 12/16/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 12/16/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

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

AT MARSTON ST (Continued) **S103043211**

Action Date: 12/29/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/28/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/4/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 6/16/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 6/16/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 9/26/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 9/26/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

INST CONTROL:
Release Tracking Number: 3-0013096
Action Type: AUL
Action Stat: RECPT
Action Date: 10/14/1997
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

AT MARSTON ST (Continued) **S103043211**

Release Tracking Number: 3-0013096
Action Type: AUL
Action Stat: SNAUDI
Action Date: 11/02/2006
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release:
Release Tracking Number/Current Status: 3-0013096 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 10/30/1995
Category: 120 DY
Status Date: 10/14/1997
Phase: PHASE II
Response Action Outcome: A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: RLFA
Action Status: FOLFLD
Action Date: 1/22/2018
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 10/14/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 10/14/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/14/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Release Disposition
Action Status: Release or TOR Less than Reporting Requirement
Action Date: 10/30/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been

AT MARSTON ST (Continued) **S103043211**

reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: IRA Assessment Only
Action Date: 10/30/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/30/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 10/8/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RLFA
Action Status: FLDD1U
Action Date: 11/2/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 11/2/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 11/22/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/27/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/1/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has

AT MARSTON ST (Continued) **S103043211**

been implemented.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 12/1/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: PIP
Action Status: Public Involvement Petition Received
Action Date: 12/16/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/16/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 12/16/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 12/16/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 12/16/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: Notice of Non-compliance related to an Audit
Action Date: 12/29/2000
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/28/1997
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

AT MARSTON ST (Continued) **S103043211**

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 3/4/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 6/16/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 6/16/1999
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Modified Revised or Updated Plan Received
Action Date: 9/26/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 9/26/1996
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Chemicals:
Chemical: 1,1-DICHLOROETHENE
Quantity: 0.25 milligrams per liter
Chemical: 1,2-DICHLOROETHANE
Quantity: 0.12 milligrams per liter
Chemical: VINYL CHLORIDE
Quantity: 0.7 milligrams per liter
Chemical: LEAD
Quantity: 0.098 milligrams per liter
Chemical: TETRACHLOROETHENE
Quantity: 110 milligrams per kilogram
Chemical: ETHENE, TRICHLORO-
Quantity: 1000 parts per million
Chemical: CYANIDE
Quantity: 0.07 milligrams per liter
Chemical: 1,2-DICHLOROETHENE
Quantity: 4.5 milligrams per kilogram
Chemical: NICKEL
Quantity: 0.37 milligrams per liter
Chemical: TRICHLOROETHENE
Quantity: 4300 milligrams per kilogram
Chemical: MERCURY

AT MARSTON ST (Continued) **S103043211**

Quantity:	0.002 milligrams per liter
Chemical:	BERYLLIUM
Quantity:	1.1 milligrams per kilogram
Chemical:	TETRACHLOROETHANE
Quantity:	5.9 milligrams per liter
Chemical:	TRICHLOROETHENE
Quantity:	1000 milligrams per liter
Source:	UNKNOWN

59
East
1/2-1
0.772 mi.
4075 ft.

POLE NUMBER 138
118 CONGRESS ST
AMESBURY, MA 01913

MA SHWS **S108034575**
MA RELEASE **N/A**

Relative:
Lower

Actual:
63 ft.

SHWS:

Release Tracking Number/Current Status:	3-0025916 / RAO
Release Town:	AMESBURY
Notification Date:	05/19/2006
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	07/20/2006
Phase:	Not reported
Response Action Outcome:	A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material:	Not reported
Location Type:	RESIDNTIAL
Source:	TRANSFORM

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

Chemicals:

Chemical:	TRANSFORMER FLUID (NON-PCB)
Quantity:	26 gallons
Chemical:	MODF
Quantity:	26 gallons

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	5/19/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	5/19/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	7/14/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

POLE NUMBER 138 (Continued) **S108034575**

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/20/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/20/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/20/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release:
Release Tracking Number/Current Status: 3-0025916 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 05/19/2006
Category: TWO HR
Status Date: 07/20/2006
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/19/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 5/19/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/14/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/20/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

POLE NUMBER 138 (Continued) **S108034575**

to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/20/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 7/20/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: TRANSFORMER FLUID (NON-PCB)
Quantity: 26 gallons
Chemical: MODF
Quantity: 26 gallons
Location Type: RESIDNTIAL
Source: TRANSFORM

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60 NW 1/2-1 0.789 mi. 4164 ft. **BATTIS FARM** **MA SHWS S120630362**
82-86 SOUTH HAMPTON ROAD **MA RELEASE N/A**
AMESBURY, MA 01913

Relative: Higher
Actual: 111 ft.

SHWS:
Release Tracking Number/Current Status: 3-0034293 / PSNC
Release Town: AMESBURY
Notification Date: 05/18/2017
Category: TWO HR
Associated ID: Not reported
Current Status: **PSNC**
Status Date: 07/20/2017
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil
Location Type: COMMERCIAL
Source: DUMP
Source: TRUCK
Source: AMESBURY

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

Chemicals:
Chemical: HYDRAULIC FLUID
Quantity: 10 gallons

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/18/2017
Response Action Outcome: Not reported

BATTIS FARM (Continued) **S120630362**

Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	5/18/2017
Response Action Outcome:	Not reported

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	6/21/2017
Response Action Outcome:	Not reported

Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	7/13/2017
Response Action Outcome:	Not reported

Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	7/13/2017
Response Action Outcome:	Not reported

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	7/13/2017
Response Action Outcome:	Not reported

Action Type:	Response Action Outcome - RAO
Action Status:	PSNRCD
Action Date:	7/20/2017
Response Action Outcome:	Not reported

Action Type:	BOL
Action Status:	SHPFAC
Action Date:	8/10/2017
Response Action Outcome:	Not reported

Release Tracking Number/Current Status:	3-0034293 / PSNC
Release Town:	AMESBURY
Notification Date:	05/18/2017
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**PSNC**
Status Date:	07/20/2017
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	DUMP
Source:	TRUCK
Source:	AMESBURY

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

Chemicals:

Chemical:	HYDRAULIC FLUID
Quantity:	10 gallons

BATTIS FARM (Continued) **S120630362**

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	5/18/2017
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	5/18/2017
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	6/21/2017
Response Action Outcome:	Not reported
Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	7/13/2017
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	7/13/2017
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	7/13/2017
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	PSNRCD
Action Date:	7/20/2017
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPFAC
Action Date:	8/10/2017
Response Action Outcome:	Not reported

Release Tracking Number/Current Status:	3-0034293 / PSNC
Release Town:	AMESBURY
Notification Date:	05/18/2017
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**PSNC**
Status Date:	07/20/2017
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	DUMP
Source:	TRUCK
Source:	AMESBURY

BATTIS FARM (Continued) **S120630362**

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

Chemicals:
Chemical: HYDRAULIC FLUID
Quantity: 10 gallons

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/18/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 5/18/2017
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/21/2017
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/13/2017
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/13/2017
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/13/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 7/20/2017
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/10/2017
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0034293 / PSNC
Primary ID: Not reported
Official City: AMESBURY
Notification: 05/18/2017
Category: TWO HR
Status Date: 07/20/2017

BATTIS FARM (Continued) **S120630362**

Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/18/2017
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 5/18/2017
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/21/2017
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/13/2017
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/13/2017
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/13/2017
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 7/20/2017
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/10/2017
Response Action Outcome: Not reported

Chemicals:

Chemical: HYDRAULIC FLUID
Quantity: 10 gallons
Location Type: COMMERCIAL
Source: DUMP
Source: TRUCK
Source: AMESBURY

61
SSW
1/2-1
0.824 mi.
4352 ft.

AT 12 GREENLEAF ST (PRIVATE PROPERTY)
12 GREENLEAF STREET
AMESBURY, MA 01913

MA SHWS **S122423099**
N/A

Relative:
Higher

Actual:
76 ft.

SHWS:

Release Tracking Number/Current Status:	3-0034813 / UNCLSS
Release Town:	AMESBURY
Notification Date:	03/10/2018
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**Unclassified**
Status Date:	03/10/2018
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Not reported
Location Type:	PRIVPROP
Source:	TRANSFORM

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

Chemicals:

Chemical:	MODF
Quantity:	26 gallons

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	3/10/2018
Response Action Outcome:	Not reported

Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	3/10/2018
Response Action Outcome:	Not reported

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	4/3/2018
Response Action Outcome:	Not reported

62
South
1/2-1
0.859 mi.
4536 ft.

PROPERTY
194 MAIN ST
AMESBURY, MA 01913

MA SHWS **S100360532**
MA RELEASE **N/A**
MA ASBESTOS

Relative:
Lower

Actual:
40 ft.

SHWS:

Release Tracking Number/Current Status:	3-0002068 / RAO
Release Town:	AMESBURY
Notification Date:	04/15/1989
Category:	NONE
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	08/25/1995
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not

PROPERTY (Continued) **S100360532**

been reduced to background.
Oil Or Haz Material: Not reported

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

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 4/15/1989
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: LSPNFA
Action Date: 7/8/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/25/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Release Tracking Number/Current Status: 3-0002068 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 04/15/1989
Category: NONE
Status Date: 08/25/1995
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 4/15/1989
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: LSPNFA
Action Date: 7/8/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

PROPERTY (Continued) **S100360532**

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/25/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

ASBESTOS:
Notification: 100230006
DEP Region: NE
Notifiers Name: S & S ABATEMENT LLC
Start Date: 10/26/2015
End Date: 10/30/2015
Date Entered: 01/10/2015
Entry Date: 10/01/2015
Quantity Materical Removed SF: 4810
Quantity Material Removed LF: Not reported
Project Description: OTHER TILE & MASTIC
AR Tracking ID: Not reported
Super Lic Number: Not reported
Monitor Lic Number: Not reported
Lab Lic Number: Not reported
Year: Not reported
Sticker Number: Not reported
Form Type: Not reported
Fee Status: Not reported
Facility Phone: Not reported
Sub Town: Not reported
Worksite: Not reported
Occupied: Not reported
Contractor: Not reported
Contract Type: Not reported
Hours: Not reported
Project Type: Not reported
Abatement Process: Not reported
Location: Not reported
Decon Process: Not reported
Disposal Methods: Not reported
Facility Usage: Not reported
Waiver Given: Not reported
DEP Waiver Number: Not reported
DLWD Waiver Number: Not reported
Small Owner Occ: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City: Not reported
Owner State: Not reported
On Site Manager Name: Not reported
On Site Manager Phone: Not reported
Ins Comp: Not reported
Policy Number: Not reported
EXP Date: Not reported
Facility Size: Not reported

PROPERTY (Continued) **S100360532**

Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported

63
SSE
1/2-1
0.881 mi.
4651 ft.

NO LOCATION AID
24 OAK ST
AMESBURY, MA 01913

MA SHWS **S106030320**
MA RELEASE **N/A**
MA ASBESTOS

Relative:
Lower

Actual:
40 ft.

SHWS:

Release Tracking Number/Current Status:	3-0023167 / RAO
Release Town:	AMESBURY
Notification Date:	08/26/2003
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	04/16/2004
Phase:	Not reported
Response Action Outcome:	B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil Or Haz Material:	Oil

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

Chemicals:

Chemical:	AROMATIC HYDROCARBONS C11 THRU C22
Quantity:	456 milligrams per kilogram

Actions:

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	2/13/2004
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	Response Action Outcome - RAO
Action Status:	Fee Received - FMCRA Use Only
Action Date:	3/31/2004
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	4/16/2004
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E

NO LOCATION AID (Continued) **S106030320**

Action Date: 8/26/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/26/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Release:
Release Tracking Number/Current Status: 3-0023167 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 08/26/2003
Category: 120 DY
Status Date: 04/16/2004
Phase: Not reported
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 2/13/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 3/31/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 4/16/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/26/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/26/2003
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

NO LOCATION AID (Continued) **S106030320**

Chemicals:
Chemical: AROMATIC HYDROCARBONS C11 THRU C22
Quantity: 456 milligrams per kilogram

ASBESTOS:
Notification: 100018572
DEP Region: NE
Notifiers Name: ENVIRONMENTAL COMPLIANCE SPECIALIST
Start Date: 06/10/2005
End Date: 06/10/2005
Date Entered: 10/06/2005
Entry Date: 06/10/2005
Quantity Materical Removed SF: 0
Quantity Material Removed LF: 10
Project Description: Spr
AR Tracking ID: Not reported
Super Lic Number: Not reported
Monitor Lic Number: Not reported
Lab Lic Number: Not reported
Year: Not reported
Sticker Number: Not reported
Form Type: Not reported
Fee Status: Not reported
Facility Phone: Not reported
Sub Town: Not reported
Worksite: Not reported
Occupied: Not reported
Contractor: Not reported
Contract Type: Not reported
Hours: Not reported
Project Type: Not reported
Abatement Process: Not reported
Location: Not reported
Decon Process: Not reported
Disposal Methods: Not reported
Facility Usage: Not reported
Waiver Given: Not reported
DEP Waiver Number: Not reported
DLWD Waiver Number: Not reported
Small Owner Occ: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City: Not reported
Owner State: Not reported
On Site Manager Name: Not reported
On Site Manager Phone: Not reported
Ins Comp: Not reported
Policy Number: Not reported
EXP Date: Not reported
Facility Size: Not reported
Transporter Name: Not reported
Transporter Address: Not reported
Transporter City: Not reported
Transporter State: Not reported
Final Site: Not reported
Certified Name: Not reported

NO LOCATION AID (Continued) **S106030320**

Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported
Notification:	100015739
DEP Region:	NE
Notifiers Name:	ENVIRONMENTAL COMPLIANCE SPECIALIST
Start Date:	04/18/2005
End Date:	05/27/2005
Date Entered:	05/04/2005
Entry Date:	04/05/2005
Quantity Materical Removed SF:	6180
Quantity Material Removed LF:	2120
Project Description:	Insl,Trns
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported

NO LOCATION AID (Continued) **S106030320**

Certified Company: Not reported
Certified Phone: Not reported
Entered_by: Not reported

64
South
1/2-1
0.925 mi.
4882 ft.

ALLIED COMPUTER BROKERS INC **MA SHWS** **1000108037**
23 NOEL ST **MA RELEASE** **MAD985275866**
AMESBURY, MA 01913 **RCRA NonGen / NLR**

Relative:
Lower

Actual:
19 ft.

SHWS:
Release Tracking Number/Current Status: 3-0000205 / DEPNDS
Release Town: AMESBURY
Notification Date: 01/15/1987
Category: NONE
Associated ID: Not reported
Current Status: **Not a Disposal Site (DEP)**
Status Date: 05/06/1996
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Not reported
Location Type: COMMERCIAL
Location Type: RESIDNTIAL

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

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1987
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 10/20/1988
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: DEPNDS
Action Date: 5/6/1996
Response Action Outcome: Not reported

Release Tracking Number/Current Status: 3-0012793 / RAO
Release Town: AMESBURY
Notification Date: 08/09/1995
Category: TWO HR
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 10/04/1995
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.

ALLIED COMPUTER BROKERS INC (Continued) **1000108037**

Oil Or Haz Material: Oil and Hazardous Material
Location Type: INDUSTRIAL
Source: TRANSFORM

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

Chemicals:
Chemical: TRANSFORMER OIL
Quantity: 10 gallons
Chemical: TRANSFORMER OIL
Quantity: Not reported
Chemical: 1,1'-BIPHENYL, CHLORO-DERIVS.
Quantity: 278 parts per million

Actions:
Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 10/4/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 8/10/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/10/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/11/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/30/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/9/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/9/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

ALLIED COMPUTER BROKERS INC (Continued) **1000108037**

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 8/9/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 9/1/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 9/11/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/11/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 9/6/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Release Tracking Number/Current Status: 3-0000205 / DEPNDS
Primary ID: Not reported
Official City: AMESBURY
Notification: 01/15/1987
Category: NONE
Status Date: 05/06/1996
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1987
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 10/20/1988
Response Action Outcome: Not reported

Action Type: TREGS

ALLIED COMPUTER BROKERS INC (Continued) **1000108037**

Action Status: DEPNDS
Action Date: 5/6/1996
Response Action Outcome: Not reported

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported
Location Type: COMMERCIAL
Location Type: RESIDNTIAL

Release Tracking Number/Current Status: 3-0012793 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 08/09/1995
Category: TWO HR
Status Date: 10/04/1995
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 10/4/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 8/10/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 8/10/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/11/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 8/30/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RLFA
Action Status: FOLOFF

ALLIED COMPUTER BROKERS INC (Continued) **1000108037**

Action Date: 8/9/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/9/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 8/9/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 9/1/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 9/11/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/11/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 9/6/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: TRANSFORMER OIL
Quantity: 10 gallons
Chemical: TRANSFORMER OIL
Quantity: Not reported
Chemical: 1,1'-BIPHENYL, CHLORO-DERIVS.
Quantity: 278 parts per million
Location Type: INDUSTRIAL
Source: TRANSFORM

RCRA NonGen / NLR:
Date form received by agency: 10/03/2008
Facility name: ALLIED COMPUTER BROKERS INC
Facility address: 23 NOEL ST
AMESBURY, MA 01913
EPA ID: MAD985275866

ALLIED COMPUTER BROKERS INC (Continued) **1000108037**

Contact: JEFFREY SCALESE
Contact address: 23 NOEL ST
AMESBURY, MA 01913-0000
Contact country: US
Contact telephone: 978-388-9965
Contact email: FINANCE@ACBRECOVERY.COM
EPA Region: 01
Land type: District
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: TNH PROPERTIES LLC
Owner/operator address: 23 NOEL ST
AMESBURY, MA 01913
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/01/2007
Owner/Op end date: Not reported

Owner/operator name: ALLIED COMPUTER BROKERS INC
Owner/operator address: 23 NOEL ST
AMESBURY, MA 01913
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1994
Owner/Op end date: Not reported

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

. Waste code: MA95

ALLIED COMPUTER BROKERS INC (Continued) **1000108037**

. Waste name: MA95

Historical Generators:
Date form received by agency: 04/09/2002
Site name: ALLIED COMPUTER BROKERS INC
Classification: Not a generator, verified

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 09/19/1988
Site name: ALLIED COMPUTER BROKERS INC
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: SR - 351(4)(c)
Area of violation: Generators - Pre-transport
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 08/09/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 253(6)(c)
Area of violation: State Statute or Regulation
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

ALLIED COMPUTER BROKERS INC (Continued) **1000108037**

Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(g)
Area of violation: Generators - Pre-transport
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(k)
Area of violation: Generators - General
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(b)
Area of violation: Generators - Pre-transport
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 08/09/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 351(4)(c)
Area of violation: Generators - Pre-transport
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

ALLIED COMPUTER BROKERS INC (Continued) **1000108037**

Regulation violated: SR - 340(1)(j)
Area of violation: Generators - General
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(g)
Area of violation: Generators - Pre-transport
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 08/09/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(b)
Area of violation: Generators - Pre-transport
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(f)
Area of violation: Generators - Pre-transport
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 08/09/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 682

ALLIED COMPUTER BROKERS INC (Continued) **1000108037**

Area of violation: Generators - Pre-transport
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 685(1)
Area of violation: Generators - Pre-transport
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(f)
Area of violation: Generators - Pre-transport
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 682
Area of violation: Generators - Pre-transport
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 08/09/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 253(5)(c)
Area of violation: State Statute or Regulation

ALLIED COMPUTER BROKERS INC (Continued) **1000108037**

Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 351(9)(c)6.
Area of violation: Generators - Pre-transport
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 08/09/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(j)
Area of violation: Generators - General
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 08/09/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 351(9)(c)6.
Area of violation: Generators - Pre-transport
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 253(6)(c)
Area of violation: State Statute or Regulation
Date violation determined: 07/28/1994

ALLIED COMPUTER BROKERS INC (Continued) **1000108037**

Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 08/09/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 685(1)
Area of violation: Generators - Pre-transport
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 08/09/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 253(5)(c)
Area of violation: State Statute or Regulation
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 08/09/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 340(1)(k)
Area of violation: Generators - General
Date violation determined: 07/28/1994
Date achieved compliance: 12/12/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 08/09/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 12/12/1994
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported

ALLIED COMPUTER BROKERS INC (Continued) **1000108037**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/12/1994
Evaluation lead agency: State

Evaluation date: 07/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 12/12/1994
Evaluation lead agency: State

Evaluation date: 07/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 12/12/1994
Evaluation lead agency: State

Count: 5 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
AMESBURY	S116756089	FORMER DURASOL CORPORATION	1 - 9 OAKLAND STREET	01913	MA SHWS, MA RELEASE
AMESBURY	S117552808	TOWN PARK	FRIEND STREET	01913	MA SHWS, MA RELEASE
AMESBURY	S112288399	MAIN STREET - EAST OF I-95 OVERPAS	MAIN ST	01913	MA SHWS, MA RELEASE
AMESBURY	S108962784	KEYSPAN ENERGY DELIVERY OF NEW ENG	WATER ST		MA SHWS, MA RELEASE, MA ENF
AMESBURY	S109029415	NO LOCATION AID	WATER ST	01913	MA SHWS, MA RELEASE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/29/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/29/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

MA SHWS: Site Transition List

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

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 34

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

NH SHWS: Listing of All Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 05/07/2018
Date Data Arrived at EDR: 05/09/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 41

Source: Department of Environmental Services
Telephone: 603-271-2919
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

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

MA SWF/LF: Solid Waste Facility Database/Transfer Stations

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/2018
Date Data Arrived at EDR: 07/05/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: 617-292-5989
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Annually

MA LF PROFILES: Landfill Profiles Listing

This spreadsheet describes landfills that have actively accepted waste or have closed under MassDEP Solid Waste Regulations first adopted in 1971 (310 CMR 16.00 and 310 CMR 19.00). The list does not include landfills that closed before 1971 (and which never had a MassDEP permit or approval), or for which agency data is incomplete.

Date of Government Version: 07/01/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 12/14/2015
Number of Days to Update: 48

Source: Department of Environmental Protection
Telephone: 617-292-5868
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

NH SWF/LF: Solid Waste Facility Information
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/25/2018
Date Data Arrived at EDR: 07/27/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 18
Source: Department of Environmental Services
Telephone: 603-271-5380
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

State and tribal leaking storage tank lists

MA LAST: Leaking Aboveground Storage Tank Sites
Sites within the Releases Database that have a AST listed as its source.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 34
Source: Department of Environmental Protection
Telephone: 617-292-5500
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

MA LUST: Leaking Underground Storage Tank Listing
Sites within the Leaking Underground Storage Tank Listing that have a UST listed as its source.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 34
Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

NH LUST: Listing of All Sites
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 05/07/2018
Date Data Arrived at EDR: 05/09/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 41
Source: Department of Environmental Services
Telephone: 603-271-2975
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

NH LAST: Listing of All Sites
Leaking Aboveground Storage Tank Incident Reports.

Date of Government Version: 05/07/2018
Date Data Arrived at EDR: 05/09/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 41
Source: Department of Environmental Services
Telephone: 603-271-2975
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

MA UST: Summary Listing of all the Tanks Registered in the State of Massachusetts
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 05/02/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 21
Source: Department of Fire Services, Office of the Public Safety
Telephone: 617-556-1035
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

NH UST: Underground Storage Tank Registration Data
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 05/07/2018
Date Data Arrived at EDR: 05/09/2018
Date Made Active in Reports: 06/27/2018
Number of Days to Update: 49
Source: Department of Environmental Services
Telephone: 603-271-2975
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

MA AST: Aboveground Storage Tank Database
Registered Aboveground Storage Tanks.

Date of Government Version: 10/22/2009
Date Data Arrived at EDR: 10/28/2009
Date Made Active in Reports: 11/06/2009
Number of Days to Update: 9
Source: Department of Public Safety
Telephone: 617-556-1035
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

MA AST 2: Aboveground Storage Tanks
Aboveground storage tanks

Date of Government Version: 07/18/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 21
Source: Department of Fire Services
Telephone: 978-567-3181
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

NH AST: Registered Aboveground Petroleum Storage Tank Database
Registered Aboveground Storage Tanks.

Date of Government Version: 05/07/2018
Date Data Arrived at EDR: 05/09/2018
Date Made Active in Reports: 06/27/2018
Number of Days to Update: 49
Source: Department of Environmental Services
Telephone: 603-271-6058
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

MA INST CONTROL: Sites With Activity and Use Limitation

Activity and Use Limitations establish limits and conditions on the future use of contaminated property, and therefore allow cleanups to be tailored to these uses.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 34

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

NH Inst Control: Activity and Use Restrictions

An inventory of sites where Activity and Use Restrictions have been utilized.

Date of Government Version: 06/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 55

Source: Department of Environmental Services
Telephone: 603-271-2659
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Semi-Annually

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

MA BROWNFIELDS 2: Potential Brownfields Listing
A listing of potential brownfields site locations in the state.

Date of Government Version: 05/22/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 50
Source: Department of Environmental Protection
Telephone: 617-556-1007
Last EDR Contact: 05/04/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

MA BROWNFIELDS: Completed Brownfields Covenants Listing
Under Massachusetts law, M.G.L. c. 21E is the statute that governs the cleanup of releases of oil and/or hazardous material to the environment. The Brownfields Act of 1998 amended M.G.L. c. 21E by establishing significant liability relief and financial incentives to spur the redevelopment of brownfields, while ensuring that the Commonwealth's environmental standards are met. Most brownfields are redeveloped with the benefit of liability protections that operate automatically under M.G.L. c. 21E.

Date of Government Version: 04/05/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 10/10/2017
Number of Days to Update: 68
Source: Office of the Attorney General
Telephone: 617-963-2423
Last EDR Contact: 05/04/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Annually

NH BROWNFIELDS: Brownfields Sites
Sites that have benefited from one or more brownfields initiative.

Date of Government Version: 07/23/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 19
Source: Department of Environmental Services
Telephone: 603-271-6422
Last EDR Contact: 07/26/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/21/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Quarterly

Local Land Records

MA LIENS: Liens Information Listing
A listing of environmental liens.

Date of Government Version: 03/07/2018
Date Data Arrived at EDR: 03/09/2018
Date Made Active in Reports: 06/21/2018
Number of Days to Update: 104
Source: Department of Environmental Protection
Telephone: 617-292-5628
Last EDR Contact: 05/17/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

NH LIENS: Environmental Liens Information Listing

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC ? 9607(1) and similar state or local laws. In other words: a lien placed upon a property s title due to an environmental condition

Date of Government Version: 12/03/2017
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/01/2018
Number of Days to Update: 34
Source: Department of Environmental Services
Telephone: 603-271-8808
Last EDR Contact: 08/02/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: No Update Planned

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

MA SPILLS: Historical Spill List

The Spills Database was the release notification tracking system for spills that occurred prior to October 1, 1993. This information should be considered to be primarily of historical interest since all of the listed spills have either been cleaned up or assigned new tracking numbers and moved to the Reportable Releases or Sites Transition List databases.

Date of Government Version: 09/30/1993
Date Data Arrived at EDR: 12/03/2003
Date Made Active in Reports: 12/31/2003
Number of Days to Update: 28
Source: Department of Environmental Protection
Telephone: 617-292-5720
Last EDR Contact: 12/03/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

MA RELEASE: Reportable Releases

Contains information on all releases of oil and hazardous materials that have been reported to DEP

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 34
Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

NH SPILLS: Listing of All Sites

Spills reported to the Emergency Response section that are included in the All Sites database.

Date of Government Version: 05/07/2018
Date Data Arrived at EDR: 05/09/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 41

Source: Department of Environmental Services
Telephone: 603-271-2975
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

MA SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/08/2013
Number of Days to Update: 36

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NH SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/28/2013
Number of Days to Update: 56

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

MA SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 03/10/1998
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/05/2013
Number of Days to Update: 61

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/25/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/15/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/25/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/07/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/04/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/03/2018
Date Data Arrived at EDR: 04/05/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2018
Date Data Arrived at EDR: 04/16/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 87

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (617) 918-1111
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 02/25/2018
Date Data Arrived at EDR: 03/17/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 06/01/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 30

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/23/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Quarterly

MA AIRS: Permitted Facilities Listing

A listing of Air Quality permit applications.

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 59

Source: Department of Environmental Protection
Telephone: 617-292-5789
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

NH AIRS: Permitted Airs Facility Listing
A listing of permitted Airs facility locations in New Hampshire.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 02/07/2018
Number of Days to Update: 33

Source: Department of Environmental Services
Telephone: 603-271-6283
Last EDR Contact: 06/01/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

MA ASBESTOS: Asbestos Notification Listing
Asbestos sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 14

Source: Department of Environmental Protection
Telephone: 617-292-5982
Last EDR Contact: 05/17/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

NH ASBESTOS: Asbestos Notification Listing
Asbestos notification sites

Date of Government Version: 06/05/2018
Date Data Arrived at EDR: 06/08/2018
Date Made Active in Reports: 06/27/2018
Number of Days to Update: 19

Source: Department of Environmental Services
Telephone: 603-271-1373
Last EDR Contact: 06/01/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

MA DRYCLEANERS: Regulated Drycleaning Facilities
A listing of Department of Environmental Protection regulated drycleaning facilities that use perchloroethylene under the Environmental Results Program.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 05/04/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: 617-292-5633
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

NH DRYCLEANERS: Listing of Drycleaners
A listing of drycleaner locations in New Hampshire.

Date of Government Version: 06/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 55

Source: Department of Environmental Services
Telephone: 603-271-2937
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Quarterly

MA ENFORCEMENT: Enforcement Action Cases
A listing of enforcement action cases tracked by Department of Environmental Protection programs, including Solid Waste and Hazardous Waste.

Date of Government Version: 07/25/2018
Date Data Arrived at EDR: 07/27/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 18

Source: Department of Environmental Quality
Telephone: 617-292-5979
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

MA Financial Assurance 1: Financial Assurance Information Listing
Information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/01/2010
Date Data Arrived at EDR: 12/23/2010
Date Made Active in Reports: 02/03/2011
Number of Days to Update: 42

Source: Department of Environmental Protection
Telephone: 617-292-5970
Last EDR Contact: 06/07/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

NH Financial Assurance 1: Financial Assurance Information Listing

Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 07/25/2018
Date Data Arrived at EDR: 07/27/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 18

Source: Department of Environmental Services
Telephone: 602-271-0675
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

MA Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tanks. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/21/2011
Date Data Arrived at EDR: 10/25/2011
Date Made Active in Reports: 11/18/2011
Number of Days to Update: 24

Source: Office of State Fire Marshal
Telephone: 978-567-3100
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

NH Financial Assurance 2: Financial Assurance Information listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 07/12/2018
Date Data Arrived at EDR: 07/27/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 18

Source: Department of Environmental Services
Telephone: 603-271-5328
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

MA Financial Assurance 3: Financial Assurance Information listing

Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 59

Source: Department of Environmental Protection
Telephone: 617-292-5970
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

MA GWDP: Ground Water Discharge Permits

The Ground Water Discharge Permits datalayer (formerly known as Groundwater Discharge Points) is a statewide point dataset containing approximate locations of permitted discharges to groundwater.

Date of Government Version: 01/18/2018
Date Data Arrived at EDR: 05/04/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 19

Source: MassGIS
Telephone: 617-556-1150
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

MA HW GEN: List of Massachusetts Hazardous Waste Generators

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

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 48

Source: Department of Environmental Protection
Telephone: 617-292-5500
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Semi-Annually

MA MERCURY: Mercury Product Recyling Drop-Off Locations Listing

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

Date of Government Version: 05/07/2018
Date Data Arrived at EDR: 05/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 31

Source: Department of Environmental Protection
Telephone: 617-292-5632
Last EDR Contact: 05/17/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

MA NPDES: NPDES Permit Listing

Listing of treatment plants in Massachusetts that hold permits to discharge to groundwater.

Date of Government Version: 02/12/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 54

Source: Department of Environmental Protection
Telephone: 508-767-2781
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

NH NPDES: NPDES Permit Listing

General information regarding NPDES (National Pollutant Discharge Elimination System) permits.

Date of Government Version: 07/19/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 20

Source: Department of Environmental Services
Telephone: 603-271-0671
Last EDR Contact: 07/18/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Semi-Annually

MA TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 05/17/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 43

Source: Massachusetts Emergency Management Agency
Telephone: 508-820-2019
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

MA TSD: TSD Facility

List of Licensed Hazardous Waste Treatment, Storage Disposal Facilities (TSDFs) in Massachusetts.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/29/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 46

Source: Department of Environmental Protection
Telephone: 617-292-5580
Last EDR Contact: 06/25/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

MA RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Massachusetts.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

NH RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Services in New Hampshire.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/08/2014
Number of Days to Update: 191

Source: Department of Environmental Services
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

MA RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Massachusetts.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

NH RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Services in New Hampshire.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Environmental Services
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 36

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 04/30/2018
Date Data Arrived at EDR: 05/03/2018
Date Made Active in Reports: 06/07/2018
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/21/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 05/16/2018
Date Data Arrived at EDR: 05/23/2018
Date Made Active in Reports: 07/03/2018
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/11/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: MassDEP
Telephone: 617-292-5907

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

AMESBURY ELEMENTARY SCHOOL
20 S HAMPTON RD
AMESBURY, MA 01913

TARGET PROPERTY COORDINATES

Latitude (North):	42.866036 - 42° 51' 57.73''
Longitude (West):	70.932077 - 70° 55' 55.48''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	342171.2
UTM Y (Meters):	4747534.5
Elevation:	76 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5644860 NEWBURYPORT WEST, MA
Version Date:	2012
North Map:	5652994 EXETER, NH
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

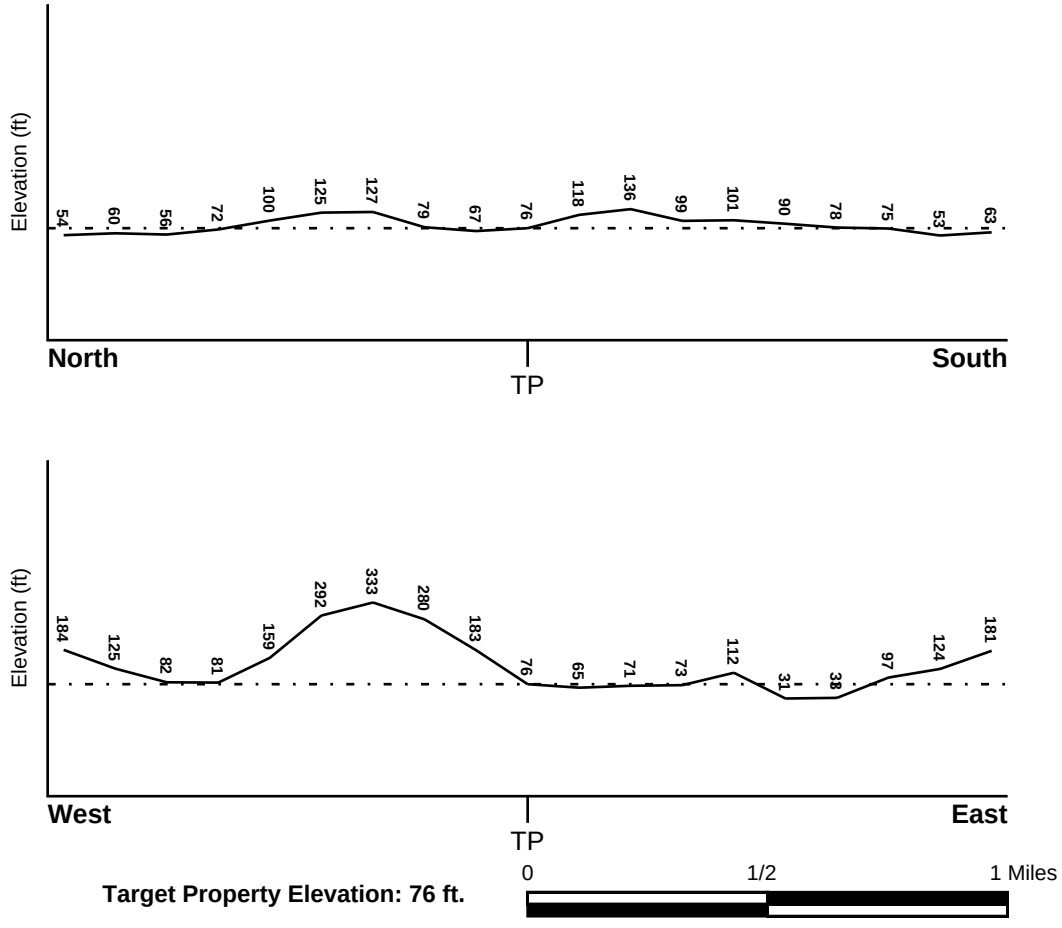
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 76 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
25009C0106F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
33015C0415E	FEMA FIRM Flood data
33015C0420E	FEMA FIRM Flood data
33015C0602E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NEWBURYPORT WEST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
3	1/2 - 1 Mile SSE	SE
1G	1/2 - 1 Mile SSE	SE

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

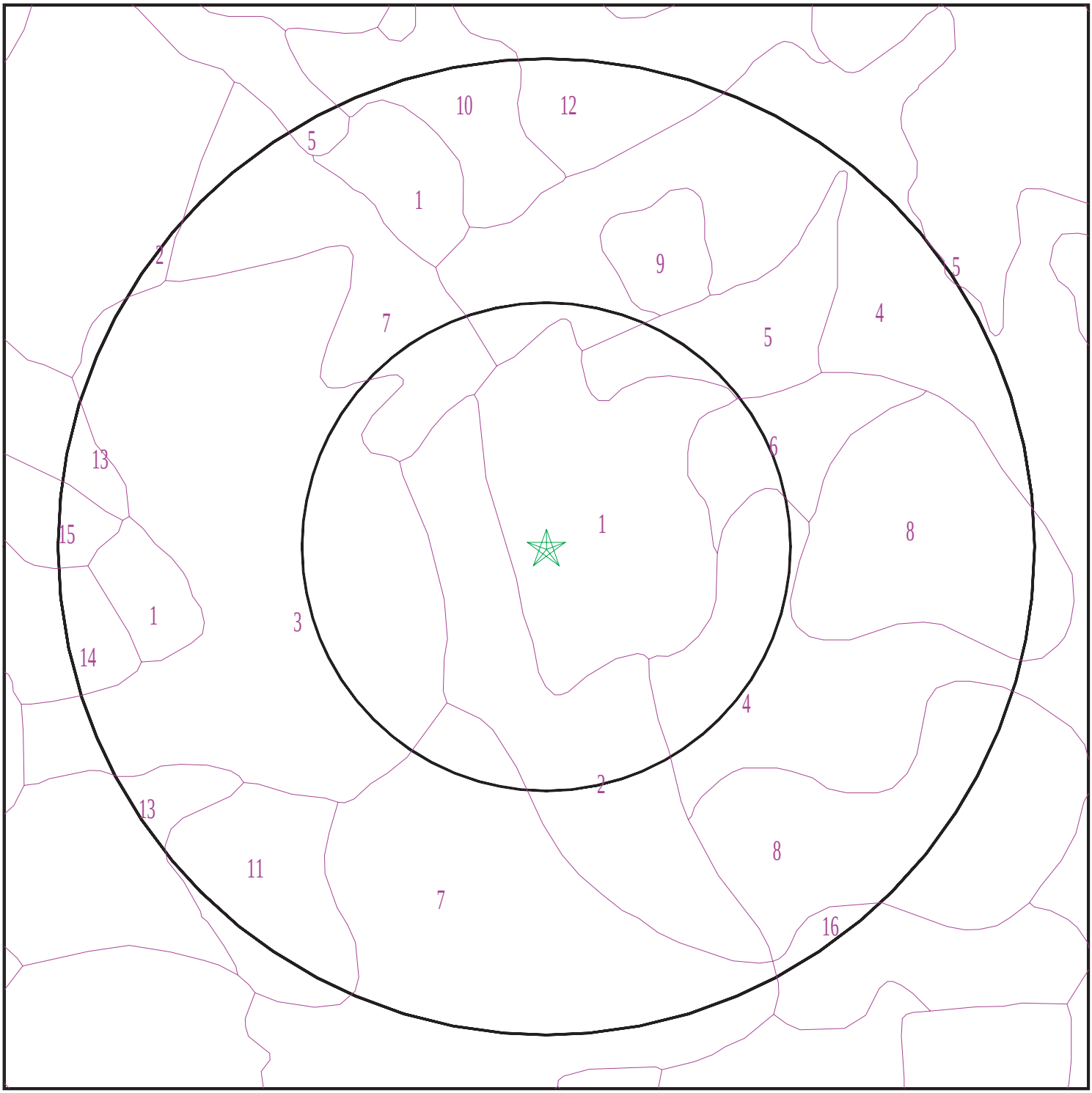
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5397479.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Amesbury Elementary School	CLIENT:	ECMS, Inc.
ADDRESS:	20 S Hampton Rd Amesbury MA 01913	CONTACT:	Kevin Kavanaugh
LAT/LONG:	42.866036 / 70.932077	INQUIRY #:	5397479.2s
		DATE:	August 17, 2018 1:52 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Udorthents

Soil Surface Texture: variable

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	variable	Not reported	Not reported	Max: 141.14 Min: 0.42	Max: Min:
2	5 inches	59 inches	variable	Not reported	Not reported	Max: 141.14 Min: 0.42	Max: Min:

Soil Map ID: 2

Soil Component Name: Sutton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
2	9 inches	25 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
3	25 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Map ID: 3

Soil Component Name: Charlton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	3 inches	27 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
3	27 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Map ID: 4

Soil Component Name: Scantic

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	silt loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.6
2	11 inches	25 inches	silty clay loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.6
3	25 inches	59 inches	clay	Not reported	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.6

Soil Map ID: 5

Soil Component Name: Maybid

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 6.1
2	7 inches	18 inches	silty clay	Not reported	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 6.1
3	18 inches	59 inches	silty clay	Not reported	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 6.1

Soil Map ID: 6

Soil Component Name: Buxton

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 60 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.1
2	9 inches	29 inches	silt loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	29 inches	59 inches	silty clay	Not reported	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.1

Soil Map ID: 7

Soil Component Name: Sutton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
2	9 inches	25 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
3	25 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Map ID: 8

Soil Component Name: Charlton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
2	3 inches	27 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
3	27 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Map ID: 9

Soil Component Name: Melrose

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 60 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.1
2	3 inches	31 inches	sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	31 inches	59 inches	silty clay	Not reported	Not reported	Max: 1.41 Min: 0	Max: 7.3 Min: 5.1

Soil Map ID: 10

Soil Component Name: Woodbridge

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 68 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5
2	9 inches	25 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5
3	25 inches	59 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5

Soil Map ID: 11

Soil Component Name: Charlton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
2	3 inches	27 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
3	27 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Map ID: 12

Soil Component Name: Paxton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 68 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5
2	5 inches	20 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	20 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5

Soil Map ID: 13

Soil Component Name: Charlton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
2	3 inches	27 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
3	27 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Map ID: 14

Soil Component Name: Charlton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 75 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
2	3 inches	27 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
3	27 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Map ID: 15

Soil Component Name: Charlton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 75 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	3 inches	27 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
3	27 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Map ID: 16

Soil Component Name: Charlton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
2	3 inches	27 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
3	27 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000481052	1/8 - 1/4 Mile NE
2	USGS40000481061	1/4 - 1/2 Mile NNE
4	USGS40000481060	1/2 - 1 Mile NE
6	USGS40000481045	1/2 - 1 Mile ESE
7	USGS40000481066	1/2 - 1 Mile NNE
8	USGS40000481055	1/2 - 1 Mile ENE
9	USGS40000481063	1/2 - 1 Mile NE
10	USGS40000481065	1/2 - 1 Mile NE
11	USGS40000481067	1/2 - 1 Mile NE
12	USGS40000481075	1/2 - 1 Mile North
13	USGS40000481031	1/2 - 1 Mile ESE
14	USGS40000481049	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

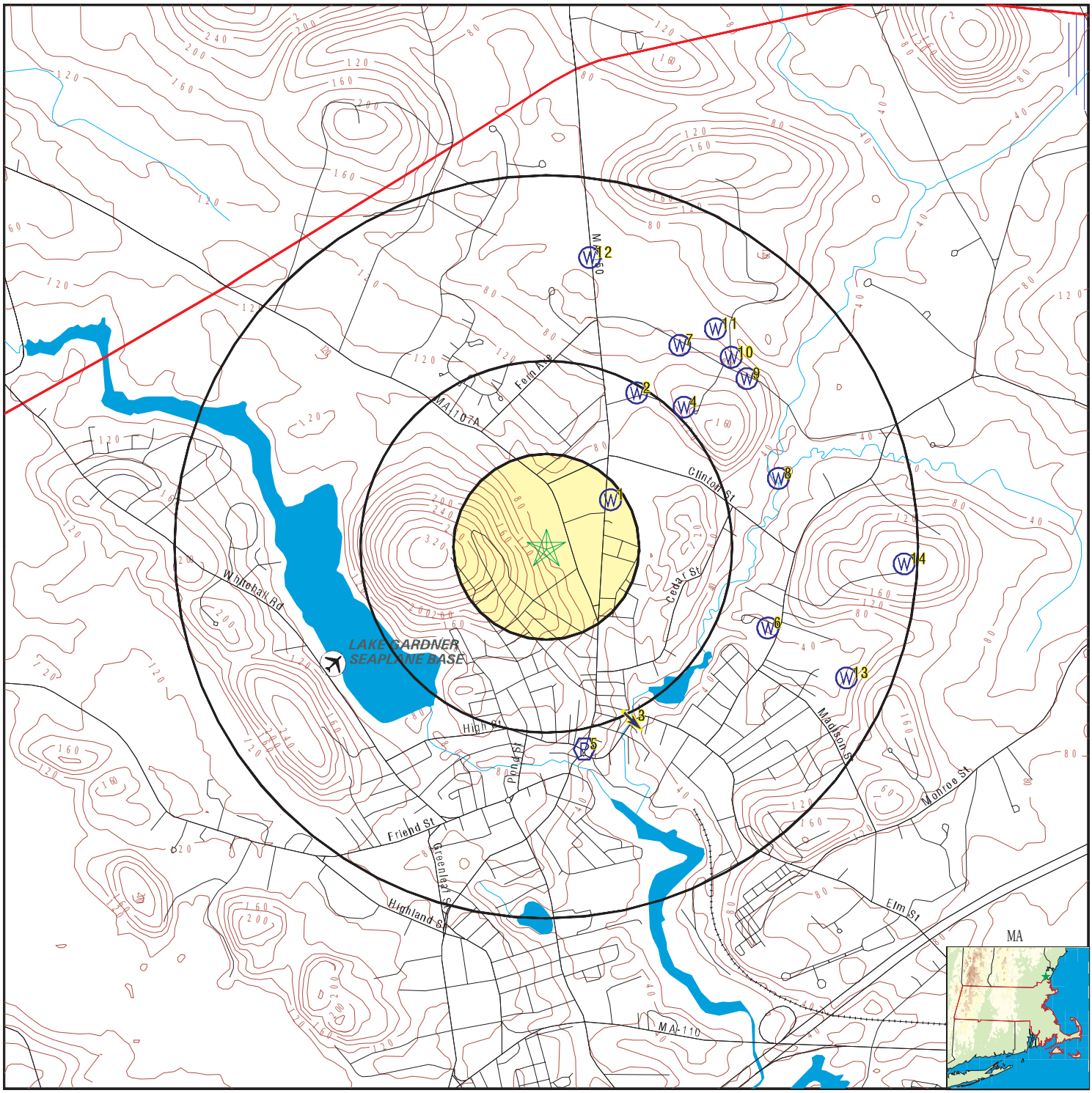
MAP ID	WELL ID	LOCATION FROM TP
5	MA3007004	1/2 - 1 Mile South

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 5397479.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Potentially Productive Aquifers
- Not Potentially Productive Aquifers
- DEP Approved Zone IIs
- EPA Designated Sole Src. Aq.

SITE NAME:	Amesbury Elementary School	CLIENT:	ECMS, Inc.
ADDRESS:	20 S Hampton Rd Amesbury MA 01913	CONTACT:	Kevin Kavanaugh
		INQUIRY #:	5397479.2s
LAT/LONG:	42.866036 / 70.932077	DATE:	August 17, 2018 1:52 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
NE
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000481052**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHA 5	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1963
Well Depth:	37	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1963-08-01
Feet below surface:	7.00	Feet to sea level:	Not Reported
Note:	Not Reported		

2
NNE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000481061**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHW 32	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	17	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1963-06-01
Feet below surface:	9.00	Feet to sea level:	Not Reported
Note:	Not Reported		

3
SSE
1/2 - 1 Mile
Lower

AQUIFLOW **2529**

Site ID:	3-0002313
Groundwater Flow:	SE
Water Table Depth:	Shallowest: 3.13 ft. Deepest: 6.99 ft.
Date:	09/30/93

4
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40000481060**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHW 33	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1926
Well Depth:	46	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1963-06-01
Feet below surface:	36.00	Feet to sea level:	Not Reported
Note:	Not Reported		

5
South **FRDS PWS** **MA3007004**
1/2 - 1 Mile
Lower

Epa region:	01	State:	MA
Pwsid:	MA3007004	Pwsname:	CAMP KENT
Cityserved:	Not Reported	Stateserved:	MA
Zipserved:	Not Reported	Fipscounty:	25009
Status:	Closed	Retpopsrvd:	25
Pwssvcconn:	1	Psource longname:	Groundwater
Pwstype:	TNCWS	Owner:	Private
Contact:	CAMP KENT	Contactorgname:	Not Reported
Contactphone:	Not Reported	Contactaddress1:	SOUTHAMPTON RD
Contactaddress2:	Not Reported	Contactcity:	AMESBURY
Contactstate:	MA	Contactzip:	019130000
Pwsactivitycode:	I		

PWS ID:	MA3007004	PWS type:	Mailing
PWS name:	CAMP KENT	PWS address:	SOUTHAMPTON ROAD
PWS city:	AMESBURY	PWS state:	MA
PWS zip:	01913	PWS ID:	MA3007004
Activity status:	Active	Date system activated:	9304
Date system deactivated:	Not Reported	Retail population:	00000025
System name:	CAMP KENT	System address:	SOUTHAMPTON ROAD
System city:	AMESBURY	System state:	MA
System zip:	01913		

Population served:	Under 101 Persons	Treatment:	Untreated

Latitude:	425129	Longitude:	0705550

6
ESE **FED USGS** **USGS40000481045**
1/2 - 1 Mile
Lower

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHA 6	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1963
Well Depth:	90	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1963-08-01
Feet below surface:	11.00	Feet to sea level:	Not Reported
Note:	Not Reported		

7
NNE **FED USGS** **USGS40000481066**
1/2 - 1 Mile
Lower

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	1031	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Mixed (confined and unconfined multiple aquifers)		
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

8
ENE **FED USGS** **USGS40000481055**
1/2 - 1 Mile
Lower

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHW 184	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1925
Well Depth:	44	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

9
NE **FED USGS** **USGS40000481063**
1/2 - 1 Mile
Higher

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHW 34	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	14	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1963-07-01
Feet below surface:	6.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

10
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40000481065**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHW 36	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	7	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1963-07-01
Feet below surface:	1.00	Feet to sea level:	Not Reported
Note:	Not Reported		

11
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40000481067**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHW 26	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1958
Well Depth:	19	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

12
North
1/2 - 1 Mile
Lower

FED USGS **USGS40000481075**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHA 4	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1963
Well Depth:	14	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1963-08-01
Feet below surface:	3.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

13
ESE
1/2 - 1 Mile
Lower

FED USGS **USGS40000481031**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHW 30	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	6	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1963-06-01
Feet below surface:	3.00	Feet to sea level:	Not Reported
Note:	Not Reported		

14
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000481049**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHW 20	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	1928
Well Depth:	210	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

1G
SSE
1/2 - 1 Mile
Lower

Site ID:	3-0002313
Groundwater Flow:	SE
Water Table Depth:	Shallowest: 3.13 ft. Deepest: 6.99 ft.
Date:	09/30/93

AQUIFLOW **2529**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: MA Radon

Radon Test Results

County	% of sites>4 pCi/L	Median
ESSEX	36	2.8

Federal EPA Radon Zone for ESSEX County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 01913

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.200 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.900 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: MassDEP
Telephone: 617-292-5907

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Massachusetts Geographic Information System (MassGIS) Datalayers
Source: Executive Office of Environmental Affairs

Public Water Supply Database: The Public Water Supply datalayer contains the locations of public community surface and groundwater supply sources and public non-community supply sources as defined in 310 CMR 22.00.

OTHER STATE DATABASE INFORMATION

Areas of Critical Environmental Concern Datalayer: The Areas of Critical Environmental Concern (ACEC) datalayer shows the location of areas that have been designated ACECs by the Secretary of Environmental Affairs. ACEC designation requires greater environmental review of certain kinds of proposed development under state jurisdiction within the ACEC boundaries. The ACEC Program is administered by the Department of Environmental Management (DEM) on behalf of the Secretary of Environmental Affairs. The Massachusetts Coastal Zone Management (MCZM) Office managed the original Coastal ACEC Program from 1978 to 1993, and continues to play a key role in monitoring coastal ACECs. Procedures for ACEC designation and the general policies governing the effects of designation are contained in the ACEC regulations (301 CMR 12.00). The ACEC datalayer has been compiled by MCZM and DEM and includes both coastal and inland areas.

EPA Designated Sole Source Aquifers Datalayer: The Sole Source Aquifer datalayer was compiled by the Department of Environmental Protection (DEP) Division of Water Supply (DWS). Seven Sole Source Aquifers have been designated by the US Environmental Protection Agency (EPA) for Massachusetts. A Sole Source Aquifer (SSA) is an aquifer designated by US EPA as the sole or principal source of drinking water for a given aquifer service area; that is, an aquifer which is needed to supply 50% or more of the drinking water for that area and for which there are no reasonably available alternative sources should that aquifer become contaminated. The aquifers were defined by a EPA hydrogeologist.

Aquifers Datalayer: MassGIS produced an aquifer datalayer composed of 20 individual panels, generally based on the boundaries of the major drainage basins. Areas of high and medium yield were mapped. This datalayer includes polygon attribute coding to help in the identification of areas in which cleanup of hazardous waste sites must meet drinking water standards, as defined in the Massachusetts Contingency Plan (MCP) (310 CMR 40.00000).

Non-Potential Drinking Water Source Areas: Non-Potential Drinking Water Source Areas (NPDWSA) are regulatory in nature, representing one of many considerations used in determining the standards to which ground water must be cleaned in the event of a release of oil or hazardous material. NPDWSAs are not based on existing water quality and do not indicate poor ambient conditions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

DEP Approved Zone IIs Datalayer: The Department of Environmental Protection (DEP) approved Zone IIs datalayer was compiled by the DEP Division of Water Supply (DWS). The database contains 281 approved Zone IIs statewide. As stated in 310 CMR 22.02, a Zone II is "that area of an aquifer which contributes water to a well under the most severe pumping and recharge conditions that can be realistically anticipated (180 days of pumping at safe yield, with no recharge from precipitation.) It is bounded by the groundwater divides which result from pumping the well and by the contact of the aquifer with less permeable materials such as till or bedrock. In some cases, streams or lakes may act as recharge boundaries. In all cases, Zone IIs shall extend up gradient to its point of intersection with prevailing hydrogeologic boundaries (a groundwater flow divide, a contact with till or bedrock, or a recharge boundary)." These data are used in association with the Public Water Supplies datalayer. The following describes certain unique features of this association.

- Any proposed new well which will pump at least 100,000 gallons per day must have a Zone II delineation completed and approved by DEP prior to the well coming on line.
- Additionally, a new source may not be on-line yet, but other, older wells may fall within its Zone II boundary.
- Further, existing wells must have a Zone II delineated as a condition of receiving a water withdrawal permit under the Water Management Act.

RADON

State Database: MA Radon
Source: Department of Health
Telephone: 413-586-7525
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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APPENDIX E

AMESBURY FIRE DEPARTMENT AND AMESBURY BOARD OF HEALTH FIOA LETTERS

Environmental &Construction Management Services, Inc.

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

August 16, 2015

John Morris
Amesbury Health Department
9 School Street
Amesbury, Massachusetts 01913

RE: Records Review
Amesbury Elementary School and Cashman Elementary School
Amesbury, Massachusetts
***ECMS* Project 1009.073**

Dear Mr. Morris:

Environmental & Construction Management Services, Inc. (*ECMS*) is currently working for the *City of Amesbury* and its architect *DiNisco Design* with respect to potential two (2) potential sites on which to build a new school.

We would like to request a records review for the Amesbury Elementary School at 20 South Hampton Road and Cashman Elementary School at 193 Lions Mouth Road properties.

Please let me know if a fee is associated with this request, as I will be performing site inspections at both schools on Tuesday August 21st and can drop off a payment and pick up any documentation available.

If you have any questions, please contact me at (617) 338-2121 Ext. 2 (office) or (617) 925-2121 (mobile).

Sincerely,

For ***Environmental & Construction Management Services, Inc.*** by,

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

Environmental &Construction Management Services, Inc.

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

August 16, 2015

Deputy Fire Chief James Nolan
Fire Prevention Office
17 School Street
Amesbury, Massachusetts 01913

RE: Records Review
Amesbury Elementary School and Cashman Elementary School
Amesbury, Massachusetts
***ECMS* Project 1009.073**

Dear Deputy Chief Nolan:

Environmental & Construction Management Services, Inc. (*ECMS*) is currently working for the *City of Amesbury* and its architect *DiNisco Design* with respect to potential two (2) potential sites on which to build a new school.

We would like to request a records review for the Amesbury Elementary School at 20 South Hampton Road and Cashman Elementary School at 193 Lions Mouth Road properties.

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If you have any questions, please contact me at (617) 338-2121 Ext. 2 (office) or (617) 925-2121 (mobile).

Sincerely,

For ***Environmental & Construction Management Services, Inc.*** by,

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

APPENDIX F

ENVIRONMENTAL DATA RESOURCES, INC. (EDR) VAPOR ENCROACHMENT REPORT DATED SEPTEMBER 11, 2018

Amesbury Elementary School
20 S Hampton Rd
Amesbury, MA 01913

Inquiry Number: 5397479.2s
September 11, 2018

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Executive Summary	**ES1**
Primary Map	**2**
Secondary Map	**3**
Map Findings	**4**
Record Sources and Currency	**GR-1**

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

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The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	property	0	-	-
State- and tribal - equivalent NPL	not searched	-	-	-
State- and tribal - equivalent CERCLIS	1.0	0	0	0
State and tribal landfill and/or solid waste disposal site lists	0.5	0	0	0
State and tribal leaking storage tank lists	0.5	0	1	0
State and tribal registered storage tank lists	0.25	0	1	0
State and tribal institutional control / engineering control registries	0.5	0	1	0
State and tribal voluntary cleanup sites	0.5	0	0	0
State and tribal Brownfields sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	property	0	-	-
Local Lists of Registered Storage Tanks	not searched	-	-	-
Local Land Records	property	0	-	-
Records of Emergency Release Reports	property	0	-	-
Other Ascertainable Records	1.0	0	1	0

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

AMESBURY ELEMENTARY SCHOOL
20 S HAMPTON RD
AMESBURY, MA 01913

COORDINATES

Latitude (North):	42.866036 - 42° 51′ 57.72766″
Longitude (West):	70.932077 - 70° 55′ 55.4718″
Elevation:	76 ft. above sea level

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
FRASER PONTIAC GMC INC	130 MARKET ST	<1/10 ESE	◆ 1	8
FINDS: FINDS ECHO: ECHO RCRA NonGen / NLR: RCRA NonGen / NLR UST: UST Financial Assurance: Financial Assurance 1 LUST: LUST SPILLS: MA SPILLS RELEASE: RELEASE INST CONTROL: INST CONTROL				

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
FRASER PONTIAC GMC INC	130 MARKET ST	<1/10 ESE	◆ 1	8
FINDS: FINDS ECHO: ECHO RCRA NonGen / NLR: RCRA NonGen / NLR UST: UST Financial Assurance: Financial Assurance 1 LUST: LUST SPILLS: MA SPILLS RELEASE: RELEASE INST CONTROL: INST CONTROL				

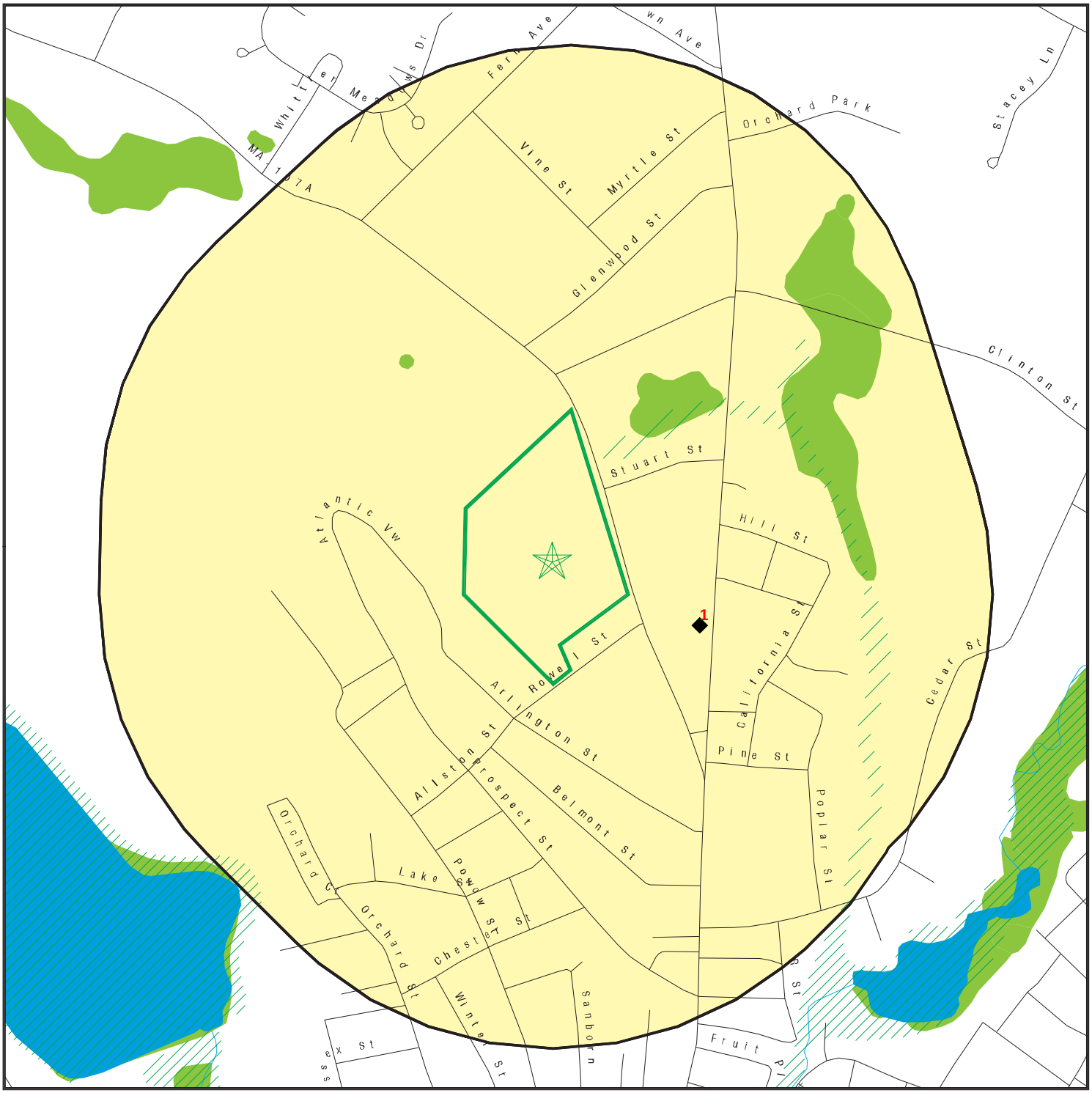
EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

PRIMARY MAP - 5397479.2S



0 300 1/3 1/2 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Amesbury Elementary School	CLIENT:	ECMS, Inc.
ADDRESS:	20 S Hampton Rd Amesbury MA 01913	CONTACT:	Kevin Kavanaugh
LAT/LONG:	42.866036 / 70.932077	INQUIRY #:	5397479.2s
		DATE:	August 17, 2018 1:50 pm

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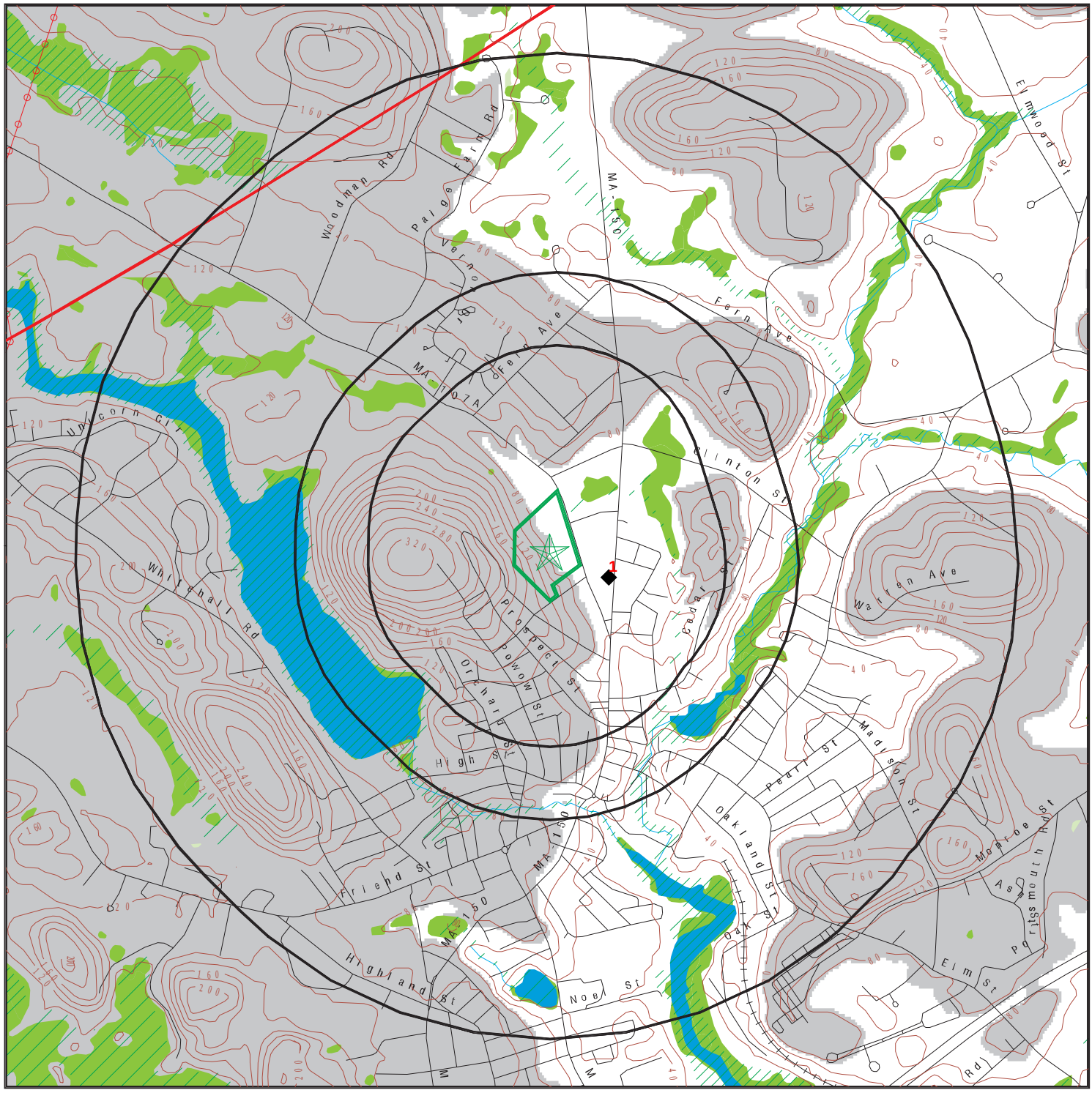
SECONDARY MAP - 5397479.2S



0 1/3 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Amesbury Elementary School	CLIENT:	ECMS, Inc.
ADDRESS:	20 S Hampton Rd Amesbury MA 01913	CONTACT:	Kevin Kavanaugh
LAT/LONG:	42.866036 / 70.932077	INQUIRY #:	5397479.2s
		DATE:	August 17, 2018 1:47 pm

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MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

FRASER PONTIAC GMC INC 130 MARKET ST, AMESBURY, MA, 01913		1000379949
◆ 1	ESE <1/10 (377 ft. / 0.071 mi.) 11 ft. Lower Elevation 65 ft. Above Sea Level	State and tribal leaking storage tank lists State and tribal registered storage tank lists State and tribal institutional control / engineering control registries Records of Emergency Release Reports Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist
Groundwater Flow Gradient:

Hydrogeologically: YES

Topographically: YES

Downgradient: YES

LUST: State and tribal leaking storage tank lists

Facility:

Release Tracking Number/Current Status:	3-0019327 / RAO
Status Date:	07/09/2003
Source Type:	UST
Release Town:	AMESBURY
Notification Date:	02/28/2000
Category:	72 HR
Associated ID:	Not Reported
Phase:	PHASE II
Response Action Outcome:	A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL

FRASER PONTIAC GMC INC, 130 MARKET ST, AMESBURY, MA 01913 (Continued)

Source:	UST
Click here to access the MA DEP site for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_MA_DEP&facid=3-0019327

Chemicals:

Chemical:	FUEL OIL #2
Quantity:	340 parts per million
Chemical:	#2 FUEL OIL
Quantity:	340 parts per million

Actions:

Action Type:	Release Abatement Measure
Action Status:	Completion Statement Received
Action Date:	1/8/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Release Abatement Measure
Action Status:	Written Plan Received
Action Date:	11/18/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	RLFA
Action Status:	FLDD1U
Action Date:	11/2/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Activity and Use Limitation
Action Status:	Level II - Audit Inspection
Action Date:	11/2/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	An activity type that is related to an Audit
Action Status:	NAFNVD
Action Date:	11/22/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Immediate Response Action
Action Status:	IRA Assessment Only
Action Date:	2/28/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	2/28/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Tier Classification
Action Status:	Legal Notice Published

FRASER PONTIAC GMC INC, 130 MARKET ST, AMESBURY, MA 01913 (Continued)

Action Date:	3/10/2001
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	3/21/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	3/21/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Phase 2
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	3/5/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Phase 3
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	3/5/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	3/8/2001
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	3/8/2001
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	3/8/2001
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Immediate Response Action
Action Status:	Completion Statement Received
Action Date:	6/28/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	6/28/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

FRASER PONTIAC GMC INC, 130 MARKET ST, AMESBURY, MA 01913 (Continued)

Action Type:	Activity and Use Limitation
Action Status:	Legal Notice Published
Action Date:	7/8/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Activity and Use Limitation
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	7/9/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	7/9/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Facility:

Release Tracking Number/Current Status:	3-0004747 / RAO
Status Date:	04/26/1996
Source Type:	UST
Release Town:	AMESBURY
Notification Date:	10/01/1993
Category:	NONE
Associated ID:	Not Reported
Phase:	Not Reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Location Type:	AUTODEALER
Source:	UST
Click here to access the MA DEP site for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_MA_DEP&facid=3-0004747

Chemicals:

Chemical:	PETROLEUM
Quantity:	Not Reported

Actions:

Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	10/1/1993
Response Action Outcome:	Not Reported
Action Type:	TREGS
Action Status:	RAOEQ
Action Date:	4/26/1996
Response Action Outcome:	Not Reported

FRASER PONTIAC GMC INC, 130 MARKET ST, AMESBURY, MA 01913 (Continued)

UST: State and tribal registered storage tank lists

Facility:

Facility ID:	148
Owner Id:	2535
Owner:	FRASER PONTIAC GMC INC
Owner Address:	130 MARKET ST
Owner City,St,Zip:	AMESBURY, MA 01913
Telephone:	Not Reported
Description:	Non-Retail Motor Vehicle
Facility address 2:	Not Reported
Owner address 2:	Not Reported
Latitude:	42.86542
Longitude:	-70.92991
Contact name:	Not Reported
Contact address1:	Not Reported
Contact address2:	Not Reported
Contact city:	Not Reported
Contact state:	Not Reported
Contact zip:	Not Reported
Contact email:	Not Reported
Update:	2005-11-10 00:00:00
Update by:	Not Reported
Fac status:	CLOSED

Tank ID:	1
Tank Status:	**Tank Removed**
Status Date:	07/23/1993
Date Installed:	05/06/1979
Capacity:	6000
Contents:	Gasoline
Tank Usage:	Not Reported
Tank Leak Detection:	Manual Tank Gauging (1,000G or more capacity tank)
Pipe Leak Detection:	Not Reported
Latitude:	Not Reported
Longitude:	Not Reported
Tank construct:	Single-walled metal tank (cathodic protection required)
Pipe construct:	Single-walled metal (Corrosion protection required)
Ptype:	Not Reported
Number of compartment:	Not Reported
Pipe install date:	Not Reported
Pipe leak install date:	Not Reported
Submersible sump:	N
Submersible sump install date:	Not Reported
Turbine sump:	N
Turbine sump sensor:	N
Intermediate sump:	N
Intermediate sump sensor:	N

FRASER PONTIAC GMC INC, 130 MARKET ST, AMESBURY, MA 01913 (Continued)

Spill bucket installed date:	Not Reported
Spill bucket sensor:	N
Overfill protect install:	Not Reported
Overfill protect type:	Not Reported
Automatic line leak detect:	Not Reported
Tank corrosion type:	Not Reported
Leak corrosion type:	Not Reported

Tank ID:	2
Tank Status:	**Tank Removed**
Status Date:	07/23/1993
Date Installed:	05/06/1979
Capacity:	6000
Contents:	Gasoline
Tank Usage:	Not Reported
Tank Leak Detection:	Manual Tank Gauging (1,000G or more capacity tank)
Pipe Leak Detection:	Not Reported
Latitude:	Not Reported
Longitude:	Not Reported
Tank construct:	Single-walled metal tank (cathodic protection required)
Pipe construct:	Single-walled metal (Corrosion protection required)
Ptype:	Not Reported
Number of compartment:	Not Reported
Pipe install date:	Not Reported
Pipe leak install date:	Not Reported
Submersible sump:	N
Submersible sump install date:	Not Reported
Turbine sump:	N
Turbine sump sensor:	N
Intermediate sump:	N
Intermediate sump sensor:	N
Spill bucket installed date:	Not Reported
Spill bucket sensor:	N
Overfill protect install:	Not Reported
Overfill protect type:	Not Reported
Automatic line leak detect:	Not Reported
Tank corrosion type:	Not Reported
Leak corrosion type:	Not Reported

Tank ID:	3
Tank Status:	**Tank Removed**
Status Date:	12/21/1989
Date Installed:	05/05/1976
Capacity:	275
Contents:	Waste Oil
Tank Usage:	Not Reported
Tank Leak Detection:	Not Reported
Pipe Leak Detection:	Not Reported
Latitude:	Not Reported
Longitude:	Not Reported

FRASER PONTIAC GMC INC, 130 MARKET ST, AMESBURY, MA 01913 (Continued)

Tank construct:	Not Reported
Pipe construct:	Not Reported
Ptype:	Not Reported
Number of compartment:	Not Reported
Pipe install date:	Not Reported
Pipe leak install date:	Not Reported
Submersible sump:	N
Submersible sump install date:	Not Reported
Turbine sump:	N
Turbine sump sensor:	N
Intermediate sump:	N
Intermediate sump sensor:	N
Spill bucket installed date:	Not Reported
Spill bucket sensor:	N
Overfill protect install:	Not Reported
Overfill protect type:	Not Reported
Automatic line leak detect:	Not Reported
Tank corrosion type:	Not Reported
Leak corrosion type:	Not Reported

INST CONTROL: State and tribal institutional control / engineering control registries

Release Tracking Number:	3-0019327
Action Type:	AUL
Action Stat:	LEGNOT
Action Date:	07/08/2003
Response Action Outcome:	A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Release Tracking Number:	3-0019327
Action Type:	AUL
Action Stat:	RECPT
Action Date:	07/09/2003
Response Action Outcome:	A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Release Tracking Number:	3-0019327
Action Type:	AUL
Action Stat:	SNAUDI
Action Date:	11/02/2006
Response Action Outcome:	A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Release: Records of Emergency Release Reports

Release Tracking Number/Current Status:	3-0004747 / RAO
Primary ID:	Not Reported
Official City:	AMESBURY
Notification:	10/01/1993
Category:	NONE
Status Date:	04/26/1996
Phase:	Not Reported

FRASER PONTIAC GMC INC, 130 MARKET ST, AMESBURY, MA 01913 (Continued)

Response Action Outcome:	-
Oil / Haz Material Type:	Oil
Click here to access the MA DEP site for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_MA_DEP&facid=3-0004747

Actions:

Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	10/1/1993
Response Action Outcome:	Not Reported
Action Type:	TREGS
Action Status:	RAOEQ
Action Date:	4/26/1996
Response Action Outcome:	Not Reported

Chemicals:

Chemical:	PETROLEUM
Quantity:	Not Reported
Location Type:	COMMERCIAL
Location Type:	AUTODEALER
Source:	UST
Release Tracking Number/Current Status:	3-0019327 / RAO
Primary ID:	Not Reported
Official City:	AMESBURY
Notification:	02/28/2000
Category:	72 HR
Status Date:	07/09/2003
Phase:	PHASE II
Response Action Outcome:	A3 - A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Oil / Haz Material Type:	Oil
Click here to access the MA DEP site for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_MA_DEP&facid=3-0019327

Actions:

Action Type:	Release Abatement Measure
Action Status:	Completion Statement Received
Action Date:	1/8/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Release Abatement Measure
Action Status:	Written Plan Received
Action Date:	11/18/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	RLFA
Action Status:	FLDD1U

FRASER PONTIAC GMC INC, 130 MARKET ST, AMESBURY, MA 01913 (Continued)

Action Date:	11/2/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Activity and Use Limitation
Action Status:	Level II - Audit Inspection
Action Date:	11/2/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	An activity type that is related to an Audit
Action Status:	NAFNVD
Action Date:	11/22/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Immediate Response Action
Action Status:	IRA Assessment Only
Action Date:	2/28/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	2/28/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	3/10/2001
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	3/21/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	3/21/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Phase 2
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	3/5/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Phase 3
Action Status:	Notice of Delay in Meeting RA Deadline Received
Action Date:	3/5/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

FRASER PONTIAC GMC INC, 130 MARKET ST, AMESBURY, MA 01913 (Continued)

Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	3/8/2001
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	3/8/2001
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	3/8/2001
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Immediate Response Action
Action Status:	Completion Statement Received
Action Date:	6/28/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	6/28/2000
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Activity and Use Limitation
Action Status:	Legal Notice Published
Action Date:	7/8/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Activity and Use Limitation
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	7/9/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	7/9/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

Chemicals:

Chemical:	FUEL OIL #2
Quantity:	340 parts per million
Chemical:	#2 FUEL OIL
Quantity:	340 parts per million
Location Type:	COMMERCIAL
Source:	UST

FRASER PONTIAC GMC INC, 130 MARKET ST, AMESBURY, MA 01913 (Continued)

MA Spills: Records of Emergency Release Reports

Facility ID:	3-4747
Spill ID:	N93-0989
Staff Lead:	GORRASI, M
Date Entered:	Not Reported
Last Entered:	19930810
First Response:	19930723
Spill Date:	19930723
Spill Time:	Not Reported
Report Date:	19930723
Report Time:	Not Reported
Case Closed:	YES
Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN
Contam Soil:	Not Reported
Env Impact:	----------
Other Impact:	Not Reported
Material:	GASOLINE
Other Material:	Not Reported
Qty Reported:	----------
Qty Actual:	----------
Qty Reported:	----------
Qty Actual:	----------
CAS No:	Not Reported
PCB Lev (ppm):	NONE
Source:	U.S.T.
Other Source:	Not Reported
Incident:	TANK REMOVAL
Other Incdnt:	Not Reported
Cleanup Type:	Not Reported
Contractor:	OTHER - UNSPECIFIED
Referral:	SA
LUST Elig:	---
Report Prep:	Not Reported
Category:	Not Reported
Notifier:	JIM HENNEBURG/RANSOM ENV
Notif Tel:	Not Reported
Days/Close:	0

RCRA NonGen / NLR: Other Ascertainable Records

Date form received by agency:	08/03/2004
Facility name:	FRASER PONTIAC GMC INC
Facility address:	130 MARKET ST AMESBURY, MA 01913
EPA ID:	MAD019147362
Mailing address:	PO BOX 497 AMESBURY, MA 01913-0000
Contact:	ROBERT-W FRASER

FRASER PONTIAC GMC INC, 130 MARKET ST, AMESBURY, MA 01913 (Continued)

Contact address:	PO BOX 497 AMESBURY, MA 01913
Contact country:	US
Contact telephone:	508-388-2500
Contact email:	Not Reported
EPA Region:	01
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	FRASER PONTIAC GMC INC
Owner/operator address:	PO BOX 497 AMESBURY, MA 01913
Owner/operator country:	US
Owner/operator telephone:	Not Reported
Owner/operator email:	Not Reported
Owner/operator fax:	Not Reported
Owner/operator extension:	Not Reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1900
Owner/Op end date:	Not Reported

Owner/operator name:	FRASER PONTIAC GMC INC
Owner/operator address:	PO BOX 497 AMESBURY, MA 01913
Owner/operator country:	US
Owner/operator telephone:	Not Reported
Owner/operator email:	Not Reported
Owner/operator fax:	Not Reported
Owner/operator extension:	Not Reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/08/1991
Owner/Op end date:	01/28/2003

Handler Activities Summary:

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

FRASER PONTIAC GMC INC, 130 MARKET ST, AMESBURY, MA 01913 (Continued)

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

Historical Generators:

Date form received by agency:	12/17/1987
Site name:	FRASER PONTIAC GMC INC
Classification:	Conditionally Exempt Small Quantity Generator
Violation Status:	No violations found

Evaluation Action Summary:

Evaluation date:	10/18/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not Reported
Date achieved compliance:	Not Reported
Evaluation lead agency:	State

FINDS: Other Ascertainable Records

Registry ID:	110003424189

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MA-EPICS - Massachussetts Environmental Protection Integrated Computer System

The FINDS: database contains 0 additional records for this site. Please contact your EDR Account Executive for more information.

ECHO: Other Ascertainable Records

Envid:	1000379949
Registry ID:	110003424189
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110003424189

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	05/13/2018	05/30/2018	06/22/2018
US	Proposed NPL	Proposed National Priority List Sites	EPA	05/13/2018	05/30/2018	06/22/2018
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	05/18/2018	05/30/2018	06/22/2018
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	03/01/2018	03/28/2018	06/22/2018
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	05/14/2018	05/18/2018	07/20/2018
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2018	02/27/2018	05/11/2018
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	02/13/2018	02/27/2018	05/11/2018
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/19/2018	03/27/2018	06/08/2018
State and tribal - equivalent CERCLIS						
MA	SHWS	Site Transition List	Department of Environmental Protection	04/18/2018	07/11/2018	08/14/2018
NH	SHWS	Listing of All Sites	Department of Environmental Services	05/07/2018	05/09/2018	06/19/2018
State and tribal landfill / solid waste disposal						
MA	SWF/LF	Solid Waste Facility Database/Transfer Stations	Department of Environmental Protection	05/01/2018	07/05/2018	08/14/2018
NH	SWF/LF	Solid Waste Facility Information	Department of Environmental Services	07/25/2018	07/27/2018	08/14/2018
MA	LF PROFILES	Landfill Profiles Listing	Department of Environmental Protection	07/01/2015	10/27/2015	12/14/2015
State and tribal leaking storage tank lists						
MA	LUST	Leaking Underground Storage Tank Listing	Department of Environmental Protection	04/18/2018	07/11/2018	08/14/2018
MA	LAST	Leaking Aboveground Storage Tank Sites	Department of Environmental Protection	04/18/2018	07/11/2018	08/14/2018
NH	LUST	Listing of All Sites	Department of Environmental Services	05/07/2018	05/09/2018	06/19/2018
NH	LAST	Listing of All Sites	Department of Environmental Services	05/07/2018	05/09/2018	06/19/2018
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/13/2018	05/18/2018	07/20/2018
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/12/2018	05/18/2018	07/20/2018
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/10/2018	05/18/2018	07/20/2018

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/25/2018	05/18/2018	07/20/2018
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/24/2018	05/18/2018	07/20/2018
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/01/2018	05/18/2018	07/20/2018
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	05/08/2018	05/18/2018	07/20/2018
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/12/2018	05/18/2018	07/20/2018
State and tribal registered storage tank lists						
MA	UST	Summary Listing of all the Tanks Registered in the State of	Department of Fire Services, Office of the Pu	04/18/2018	05/02/2018	05/23/2018
NH	UST	Underground Storage Tank Registration Data	Department of Environmental Services	05/07/2018	05/09/2018	06/27/2018
MA	AST	Aboveground Storage Tank Database	Department of Public Safety	10/22/2009	10/28/2009	11/06/2009
MA	AST 2	Aboveground Storage Tanks	Department of Fire Services	07/18/2018	07/24/2018	08/14/2018
NH	AST	Registered Aboveground Petroleum Storage Tank Database	Department of Environmental Services	05/07/2018	05/09/2018	06/27/2018
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/12/2018	05/18/2018	07/20/2018
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	05/08/2018	05/18/2018	07/20/2018
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/12/2018	05/18/2018	07/20/2018
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/01/2018	05/18/2018	07/20/2018
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/24/2018	05/18/2018	07/20/2018
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/25/2018	05/18/2018	07/20/2018
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/10/2018	05/18/2018	07/20/2018
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/13/2018	05/18/2018	07/20/2018
US	FEMA UST	Underground Storage Tank Listing	FEMA	05/15/2017	05/30/2017	10/13/2017
State and tribal institutional control / engineering control registries						
MA	INST CONTROL	Sites With Activity and Use Limitation	Department of Environmental Protection	04/18/2018	07/11/2018	08/14/2018
NH	Inst Control	Activity and Use Restrictions	Department of Environmental Services	06/18/2018	06/20/2018	08/14/2018
State and tribal voluntary cleanup sites						
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
State and tribal Brownfields sites						
MA	BROWNFIELDS 2	Potential Brownfields Listing	Department of Environmental Protection	05/22/2017	08/03/2017	09/22/2017
MA	BROWNFIELDS	Completed Brownfields Covenants Listing	Office of the Attorney General	04/05/2017	08/03/2017	10/10/2017
NH	BROWNFIELDS	Brownfields Sites	Department of Environmental Services	07/23/2018	07/26/2018	08/14/2018
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	03/31/2018	04/16/2018	06/29/2018
US	ROD	Records Of Decision	EPA	05/13/2018	05/30/2018	06/29/2018
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	05/13/2018	05/30/2018	06/29/2018
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	02/22/2018	03/01/2018	05/11/2018
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	05/24/2017	11/30/2017	12/15/2017
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	12/23/2016	12/27/2016	02/17/2017

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	05/13/2018	05/30/2018	06/29/2018
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/01/2018	03/27/2018	06/22/2018
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	Delisted NPL	National Priority List Deletions	EPA	05/13/2018	05/30/2018	06/22/2018
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	05/18/2018	05/30/2018	06/22/2018
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	03/26/2018	03/27/2018	06/08/2018
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	02/22/2018	03/01/2018	05/11/2018
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	03/19/2018	03/21/2018	06/08/2018
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	10/13/2015
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	06/23/2017	10/11/2017	11/03/2017
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	05/03/2018	05/31/2018	06/29/2018
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	10/25/2013	10/17/2014	10/20/2014
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2016	01/10/2018	01/12/2018
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	06/01/2017	06/09/2017	10/13/2017
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/30/2016	09/08/2016	10/21/2016
US	RADINFO	Radiation Information Database	Environmental Protection Agency	04/03/2018	04/05/2018	06/29/2018
US	FINDS	Facility Index System/Facility Registry System	EPA	02/21/2018	02/23/2018	03/23/2018
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	11/02/2017	11/17/2017	12/08/2017
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
MA	AIRS	Permitted Facilities Listing	Department of Environmental Protection	04/13/2018	04/17/2018	06/15/2018
NH	AIRS	Permitted Airs Facility Listing	Department of Environmental Services	12/31/2017	01/05/2018	02/07/2018
MA	ASBESTOS	Asbestos Notification Listing	Department of Environmental Protection	06/11/2018	06/15/2018	06/29/2018
NH	ASBESTOS	Asbestos Notification Listing	Department of Environmental Services	06/05/2018	06/08/2018	06/27/2018
MA	DRYCLEANERS	Regulated Drycleaning Facilities	Department of Environmental Protection	04/18/2018	05/04/2018	05/23/2018
NH	DRYCLEANERS	Listing of Drycleaners	Department of Environmental Services	06/18/2018	06/20/2018	08/14/2018
MA	ENFORCEMENT	Enforcement Action Cases	Department of Environmental Quality	07/25/2018	07/27/2018	08/14/2018

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
MA	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Protection	12/01/2010	12/23/2010	02/03/2011
NH	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Services	07/25/2018	07/27/2018	08/14/2018
MA	Financial Assurance 2	Financial Assurance Information Listing	Office of State Fire Marshal	10/21/2011	10/25/2011	11/18/2011
NH	Financial Assurance 2	Financial Assurance Information listing	Department of Environmental Services	07/12/2018	07/27/2018	08/14/2018
MA	Financial Assurance 3	Financial Assurance Information listing	Department of Environmental Protection	01/16/2018	04/17/2018	06/15/2018
MA	GWDP	Ground Water Discharge Permits	MassGIS	01/18/2018	05/04/2018	05/23/2018
MA	HW GEN	List of Massachusetts Hazardous Waste Generators	Department of Environmental Protection	06/04/2018	06/27/2018	08/14/2018
MA	LIENS	Liens Information Listing	Department of Environmental Protection	03/07/2018	03/09/2018	06/21/2018
NH	LIENS	Environmental Liens Information Listing	Department of Environmental Services	12/03/2017	01/26/2018	03/01/2018
MA	MA SPILLS	Historical Spill List	Department of Environmental Protection	09/30/1993	12/03/2003	12/31/2003
MA	MERCURY	Mercury Product Recyling Drop-Off Locations Listing	Department of Environmental Protection	05/07/2018	05/25/2018	06/25/2018
MA	NPDES	NPDES Permit Listing	Department of Environmental Protection	02/12/2018	02/14/2018	04/09/2018
NH	NPDES	NPDES Permit Listing	Department of Environmental Services	07/19/2018	07/25/2018	08/14/2018
MA	RELEASE	Reportable Releases	Department of Environmental Protection	04/18/2018	07/11/2018	08/14/2018
NH	NH SPILLS	Listing of All Sites	Department of Environmental Services	05/07/2018	05/09/2018	06/19/2018
MA	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	03/10/1998	01/03/2013	03/05/2013
MA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	12/11/2012	01/03/2013	02/08/2013
NH	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	12/18/2012	01/03/2013	02/28/2013
MA	TIER 2	Tier 2 Information Listing	Massachusetts Emergency Management Agency	12/31/2017	05/17/2018	06/29/2018
MA	TSD	TSD Facility	Department of Environmental Protection	06/04/2018	06/29/2018	08/14/2018
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/30/2016	10/31/2017	01/12/2018
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/20/2018	02/21/2018	03/23/2018
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	01/04/2018	01/19/2018	04/13/2018
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/08/2018	03/13/2018	06/08/2018
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	02/25/2018	03/17/2018	06/08/2018

HISTORICAL USE RECORDS

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
MA	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Protection		07/01/2013	12/24/2013
NH	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Services		07/01/2013	01/08/2014
MA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environmental Protection		07/01/2013	12/24/2013
NH	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environmental Services		07/01/2013	01/03/2014

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date

STREET AND ADDRESS INFORMATION

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APPENDIX G

SITE PHOTOGRAPHS

Amesbury Elementary School -20 South Hampton Road in Amesbury, Massachusetts

Photo 1 – View of side of front from entrance



Photo 2 – Another view from front of school entrance



Environmental & Construction Management Services, Inc.

Amesbury Elementary School -20 South Hampton Road in Amesbury, Massachusetts

Photo 3 – Front view of school building.



Photo 4 – Boiler Room



Environmental & Construction Management Services, Inc.

Photo 5 – Another view of boiler room.



Photo 6 – View of floor drain in boiler room.



Photo 7 – View of water shutoff in boiler room.



Photo 8 – View of compressor unit

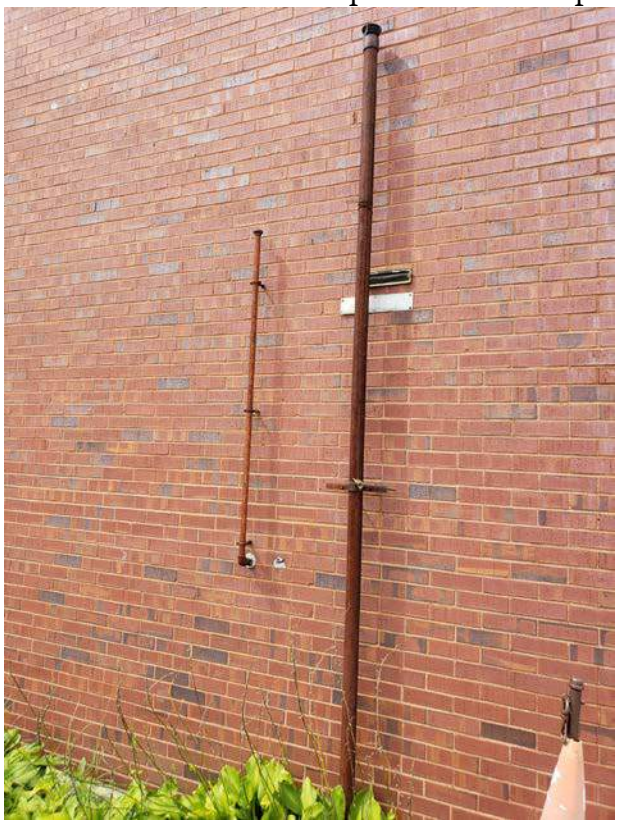


Amesbury Elementary School -20 South Hampton Road in Amesbury, Massachusetts

Photo 9 – View of reported underground storage tank (UST) location.



Photo 10 – View of vent lines for reported closed-in-place fuel oil UST.



Amesbury Elementary School -20 South Hampton Road in Amesbury, Massachusetts

Photo 13 – View of typical hallway.

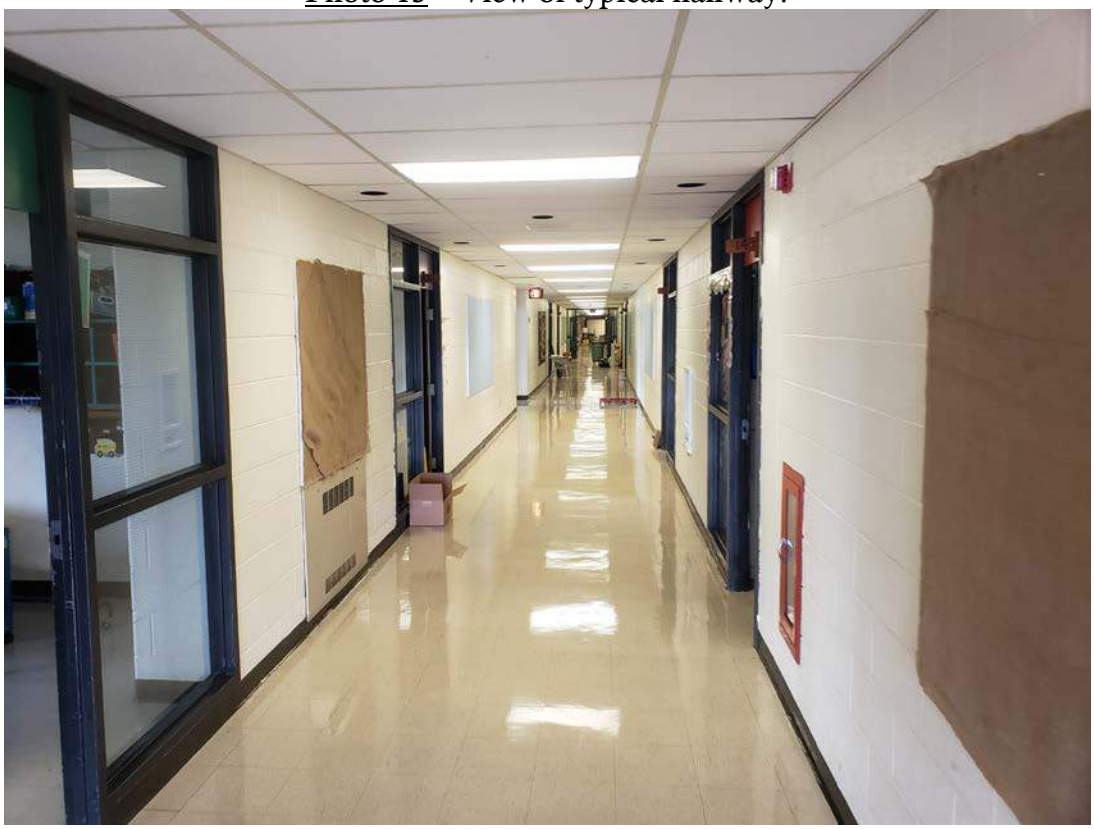
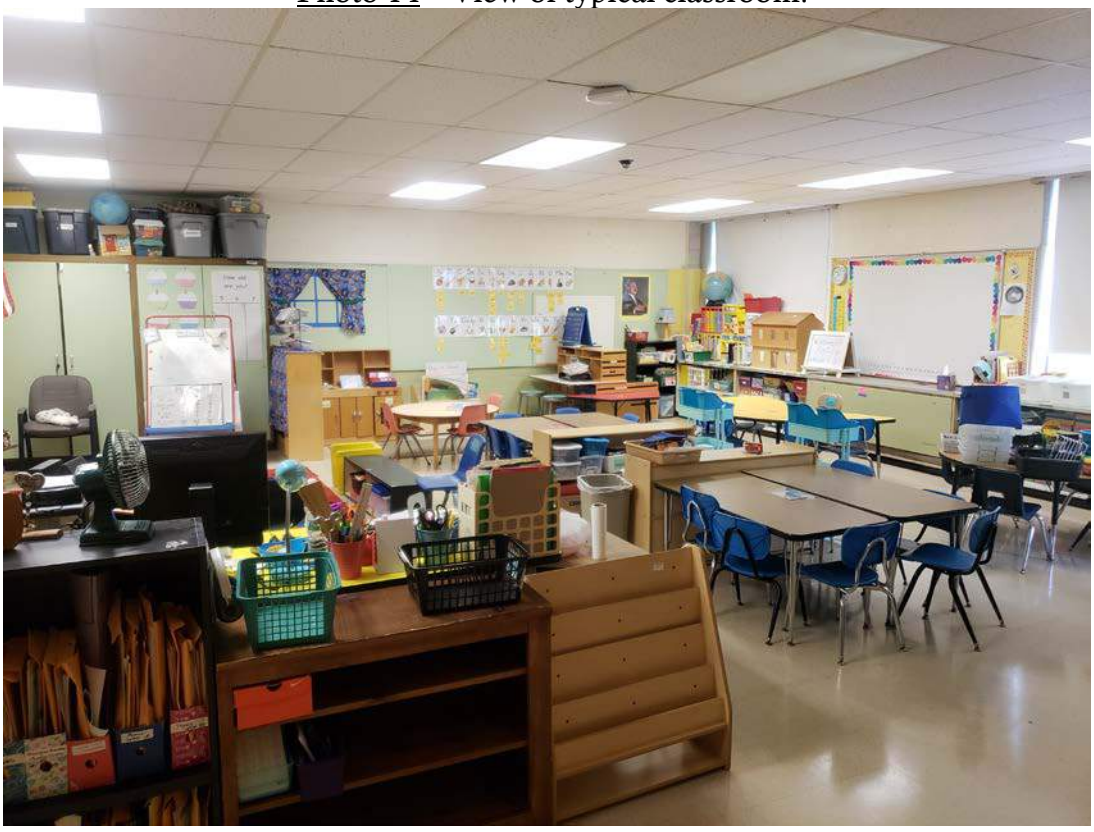


Photo 14 – View of typical classroom.



Amesbury Elementary School -20 South Hampton Road in Amesbury, Massachusetts

Photo 15 – View of natural gas fired emergency generator.



Photo 16 – View of electrical trnasformer.



Amesbury Elementary School -20 South Hampton Road in Amesbury, Massachusetts

Photo 17 – View of playground and field.



Photo 18 – View of 1995 - Modular Additions.



Amesbury Elementary School -20 South Hampton Road in Amesbury, Massachusetts

Photo 19 – View of playground area



Photo 20 – View of solid waste dumpster.



Amesbury Elementary School -20 South Hampton Road in Amesbury, Massachusetts

Photo 21 – View of rear of school building.



Photo 22 – View of small garden area.



Engineers | Scientists | Planners

PARECORP.COM

PARE CORPORATION

May 25, 2018

Ms. Donna DiNisco, Principal
DiNISCO DESIGN
99 Chauncy Street
Boston, MA 02111

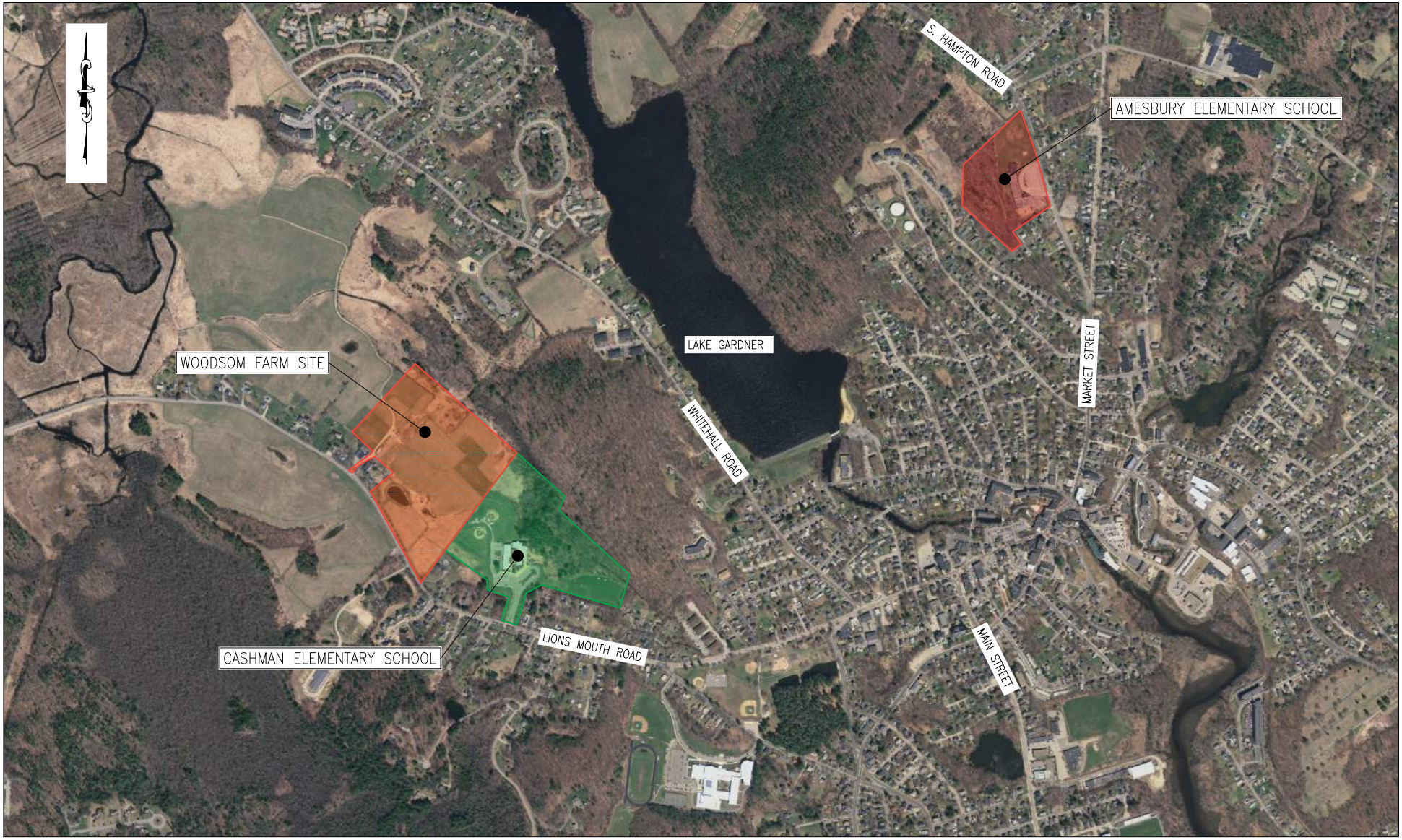
Re: **Amesbury Elementary School**
Traffic Consulting Services – Existing Conditions Assessment
Amesbury, Massachusetts
PARE Project No. 18182.00

Dear Ms. DiNisco:

Pare Corporation (Pare) has completed an existing traffic conditions assessment as part of a study for a new Amesbury Elementary School. It is understood that the City of Amesbury is looking to construct a new elementary school at one of three proposed sites. The intent of the school with regard to grade structure is undetermined at this time, however, several Pre-K to Grade 5 configurations are under consideration. It is anticipated that the new school will accommodate 400-500 students upon completion. The three (3) sites under consideration for the new school are identified in Figure 1 and include:

1) Cashman Elementary School site
2) Amesbury Elementary School site
3) Woodsom Farm site

This assessment has been completed to gain an understanding of the traffic operations at the existing schools and identify transportation related opportunities and constraints at each of the potential sites. The report includes a summary of the observations taken at each site. A summary of observations during the morning arrival period, the afternoon dismissal period, and a parking inventory during school hours is provided for each of the two existing schools while general observations are provided at the Woodsom Farm site.



PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100

PROJECT NO. 18xxx.00 DATE: MAY 2018

TRAFFIC ENGINEERING ASSESSMENT
AMESBURY ELEMENTARY SCHOOLS

FIGURE 1

AMESBURY, MASSACHUSETTS SCALE: NOT TO SCALE

EXISTING OPERATIONS OBSERVATIONS

Cashman Elementary School

Cashman Elementary School is located at 193 Lions Mouth Road in Amesbury, MA. A single access roadway connects the school to Lions Mouth Road. The School serves Kindergarten through Grades 4 with hours from 8:30 a.m. to 3:00 p.m. Approximately 400 students attend the elementary school. A Pre-K program is also located at the School and operates from 8:45 a.m. to 3:15 p.m.

Lions Mouth Road runs along the south side of the school and provides the only access to the site. The roadway generally consists of one 11-foot wide travel lane in each direction with 1-foot shoulders. Sidewalks are located on both sides of the roadway. Lions Mouth Road is classified as an urban collector and is under the City of Amesbury jurisdiction. The posted speed limit of the roadway is 30 miles-per-hour. A school speed limit of 20 miles-per-hour is posted in the vicinity of the Cashman Elementary School. The school speed limit signs are accompanied by flashing yellow beacons activated during the arrival and dismissal time periods.

The intersection of Lions Mouth Road with the school driveway forms a three-legged unsignalized intersection with Lions Mouth Road running in the east/west direction and the School driveway approaching from the north. A raised island splits northbound and southbound traffic on the School driveway, forming one 23-foot wide northbound travel lane and one 23-foot wide southbound travel lane. The width of the southbound travel lane allows traffic exiting the site to split into left-turn and right-turn lanes although these lanes are not striped. Figure 2 includes an aerial image of the existing site while Photos 1-4 document several of the existing conditions.

Observations were performed during the morning arrival and afternoon dismissal periods at Cashman Elementary School on Wednesday, May 23, 2018. Highlights from our observations are summarized in the following sections.



PROJECT NO. 18182.00 DATE: MAY 25, 2018

FIGURE NO. 2

CASHMAN ELEMENTARY SCHOOL

AMESBURY ELEMENTARY SCHOOLS
EXISTING CONDITIONS REPORT

AMESBURY, MASSACHUSETTS

PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100



Photo 1: The Cashman Elementary School driveway on Lions Mouth Road.



Photo 2: Sidewalks are located on both sides of Lions Mouth Road.



Photo 3: Parking spaces are located along the school driveway, although "No Parking" signs exist in these areas.



Photo 4: A school speed limit of 20 miles-per-hour is accompanied by flashing beacons on Lions Mouth Road.

Morning Arrival Period

- The majority of faculty/staff arrived on-site between 7:40 a.m. and 8:10 a.m.
- Faculty/staff utilize all three parking lots, however, parking was left available in the southeastern lot for parent drop-off.
- Crossing guards were located at two locations including:
    - Lions Mouth Road & Cashman Elementary School driveway
    - Parent drop-off area and southwest parking lot crosswalk (2 attendants)
- Several parents were observed arriving on-site between 8:00 a.m. and 8:15 a.m., well before students are allowed into the building. Parents generally wait will students until they can access the building.
- Parent drop-off is located on the western side of the site, adjacent to the gymnasium. Two parent drop-off lanes are formed by traffic cones. One lane, closest to the gymnasium, allows curbside student drop-off. The adjacent lane allows for parents to pull into the parking lot where they can park and unload their child at their own pace. The formation of two drop-off lanes allows parents who have children requiring longer unloading times to be separated from those that can unload quickly. This prevents those with slower unloading processes from delaying all parent drop-offs.
- Both parent drop-off lanes are controlled by the crossing guard at the parking lot crosswalk.
- The longest queue of parent vehicles extended approximately 400 feet, approaching but not spilling into Lions Mouth Road.
- No significant concerns were noted for vehicles exiting the site. In general, traffic volumes on Lions Mouth Road appeared light and vehicles were able to exit the site without lengthy delays. Most vehicles were noted to make a left-turn exiting the site with only several right-turns. The longest queue observed was approximately six (6) vehicles and the queue rarely passed beyond the limits of the traffic island.
- Buses began arriving on-site at approximately 8:10 a.m. Buses utilize the loop within the eastern parking lot for drop-off. The buses parked diagonally in the yellow painted section near the school's main entrance. The diagonal parking provides more storage space for the buses, allowing several buses to unload at the same time. The area can accommodate up to seven buses at a time. The buses unload at 8:20 a.m. or later. Any buses arriving before 8:20 must wait to unload students.
- Parent traffic was stopped by the crossing guard on-site, allowing for several buses to depart the drop-off loop at the same time and avoiding conflict between the bus loop traffic and parent traffic.
- Several school bus vans were also observed. The vans unloaded on the western side of the parking area, either in the handicap parking spaces or within the smaller west side parking lot.
- Students were observed walking from Lions Mouth Road onto the site. Some were accompanied by parents while others walked unsupervised. Students began walking on-site at approximately 8:10 a.m.
- Students were observed playing in the playground before entering the building.
- No students were observed biking to the site although a bike rack is present.
- Vehicular traffic at the two crossing locations, Lions Mouth Road and the southwest parking lot, were controlled by the crossing guards, allowing pedestrians to safely cross.
- The Pre-K program begins at 8:45 a.m., minimizing the overlap between the other elementary school drop-off activity. Parent drop-off occurred on the eastern side of the site, in front of the main entrance. As the elementary school bus traffic no longer occupies this area after 8:30 a.m., it becomes available to Pre-K parents.
- Pre-K parents pull into the yellow hatched area, parents are then able to exit their vehicle and unload children close to the building.



Photo 5: The parent drop-off loop forms at this crosswalk, where traffic is controlled by a crossing guard.



Photo 6: Buses park diagonally within this yellow painted area to unload students.



Photo 7: A crossing guard is located at the intersection of Lions Mouth Road and the School driveway.



Photo 8: A bike rack is located on the site, although it was not used on the day of observations.

Afternoon Dismissal Period

- Parents began arriving for afternoon pick-up around 2:30 p.m., well before the 3:00 p.m. dismissal time. Parents began stacking along the pick-up location near the gymnasium. Others were observed parking in the southwest parking lot and waited for dismissal time to exit their vehicle and pick-up their child.
- As in the morning, crossing guards were located at:
    - Lions Mouth Road & School Driveway
    - Parent drop-off area and parking lot crosswalk
- The entering parent pick-up queue forms along the eastern side of the school driveway, starting at the crosswalk across the southwest parking lot.
- The maximum entering parent pick-up queue extended into Lions Mouth Road. A maximum of four (4) parent vehicles were observed waiting along the northern side of Lions Mouth Road, waiting to turn right onto the site.

- Crossing guards prevented the parent queue from blocking access to and from the eastern bus loop. Once all seven (7) buses had arrived, the crossing guards allowed the parent queue to block the entrance to the bus loop to help alleviate the impact of the parent queue on Lions Mouth Road.
- The exiting parent vehicle queue was observed extending back into the southwest parking lot at its maximum length. It should be noted that once the buses had all been loaded, the crossing guard at Lions Mouth Road blocked traffic on Lions Mouth Road to allow for the buses to exit as quickly as possible. The crossing guard did not do this for the parent queue and parents were forced to enter traffic on Lions Mouth Road when acceptable gaps in traffic were available.
- As in the morning, school buses pulled into the eastern loop and parked diagonally, allowing multiple buses to stack and load simultaneously.
- Once all school buses were loaded, they all departed at the same time. Parent traffic on-site was blocked by the crossing guards to allow the buses to exit. The crossing guard at Lions Mouth Road stopped traffic on Lions Mouth Road to allow for the buses to exit the site quickly with minimal conflict.
- Several school vans were observed using the side lot near the gymnasium for pick-up.
- Walkers exiting the school were all released together at one time shortly after 3:00 p.m. Crossing guards assisted the children across the parking lot crosswalk. They were then free to walk down the sidewalk to Lions Mouth Road from this point. Several students were accompanied by parents.



Photo 9: Parent vehicles are prevented from blocking bus loop by a crossing guard until all buses arrive.



Photo 10: Parent vehicle queues extended from Lions Mouth Road through the southwestern parking lot at the peak of dismissal.

Traffic Volume Assessment

An approximate vehicle volume and walking student count was also performed during the morning arrival and afternoon dismissal periods. In addition to the data count on site on May 23, 2018, typical dismissal operations were obtained from Cashman Elementary School staff. This operation data included the typical mode of transportation for each student at the school. This information was only available for dismissal operations and was not available at the Amesbury Elementary School.

Table 1: Cashman Elementary School Pick-up/Drop-off Summary

Time Period		Vehicles/Students Observed During Drop-off/Pick-up Periods					
		Parent – Drive Thru[1] (Students)	**Parent - Park**[2] (Students)	**Full-size Buses** (Vehicles)	**Vans** (Vehicles)	**Walkers** (Students)	**After School Program** (Students)
Morning Arrival Period	**8:00 – 8:40 a.m.**	73	42	6	4	16	-
Afternoon Dismissal Period	**2:30 – 3:15 p.m.**	32	29	7	5[4]	19	Unknown
Typical Afternoon Dismissal[3]	**2:30 – 3:15 p.m.**	38	40	7	5	27	22

1. Drive-thru parents perform curbside drop-off/pick-up and do not get out of their vehicles
2. Parking parents exit their vehicle and walk their child to/from the school.
3. Data obtained from Cashman Elementary School staff.
4. Includes one Boy & Girls Club van.

Parking Summary

A parking inventory of the Cashman Elementary School parking lot was taken at 9:15 a.m., after morning arrival period had concluded. This was anticipated to the peak period of demand for parking on the site as all faculty/staff would be on-site. Many vehicles were observed parked in the grass along the western edge of the west parking lot, outside of formal spaces. The parking inventory results are shown in Table 2.

Table 2: Cashman Elementary School Parking Inventory Results

Time	Total Parking Spaces	Vehicles Parked in Formal Spaces	Vehicle Parked outside Formal Spaces	Total Vehicles in Parking Lot	Empty Marked Spaces[1]
9:15 a.m.	89	54	9	63	35

1. Includes six (6) empty handicap parking spaces.

Amesbury Elementary School

Amesbury Elementary School is located at 20 S. Hampton Road in Amesbury, MA. The School serves kindergarten through Garde 4 with hours from 8:30 a.m. to 3:00 p.m. A Pre-K program is also located at the School and operates from 8:45 a.m. to 3:15 p.m. S. Hampton Road runs in the north/south direction along the west side of the School. Single-family homes surround the school site. Two curb cuts are located on S. Hampton Road. The northern site driveway is full-access while the southern site driveway is signed as exit-only. Left-turn and right-turn lanes are striped exiting the southern driveway.

S. Hampton Road consists of one 12-foot wide travel lane and a 2-foot wide shoulder in each direction. Berm is located on both sides of the road. Sidewalks, separated from the roadway by a grassed buffer, are provided on both sides of the road. S. Hampton Road is classified as an urban collector and is under the City of Amesbury jurisdiction. The posted speed limit of the roadway is 30 miles-per-hour. A school speed limit of 20 miles-per-hour is posted in the vicinity of Amesbury Elementary School. The school speed limit signs are accompanied by flashing yellow beacons activated during the arrival and dismissal time periods. Several "No Parking" signs are located adjacent to the site driveways. On-street parking appeared to be permitted outside of the areas immediately adjacent to the school driveways. Figure 3 includes an aerial image of the existing site while Photos 11-14 document several of the existing conditions.



PROJECT NO. 18182.00 DATE: MAY 25, 2018

FIGURE NO. 3

AMESBURY ELEMENTARY SCHOOL

AMESBURY ELEMENTARY SCHOOLS
EXISTING CONDITIONS REPORT

AMESBURY, MASSACHUSETTS

PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100



Photo 11: A school speed limit of 20 mph is in effect on S. Hampton Road during arrival and dismissal times.



Photo 12: Separate left-turn and right-turn lanes are provided exiting the southern site driveway.



Photo 13: The northern site driveway allows two-way traffic.



Photo 14: Sidewalk is provided on both sides of S. Hampton Road, however, the width does not meet ADA.

Morning Arrival Period

- Faculty and staff was observed arriving to the site around 7:30 a.m.
- Delivery vehicles were also observed on site around 7:45 a.m. Deliveries were observed using the southern side lot adjacent to the school near the playground. This access point is then blocked for the arrival period.
- During arrival, circulation on-site operates in a counterclockwise direction. Both buses and parent vehicles enter the site via the north driveway and exit the southern driveway. Buses circulate the site using the drive aisle closest to the building, dropping off students at the main entrance. Parents circulate through the western parking aisle, avoiding conflicts with the buses. Parents then unload along the southern exit driveway. School staff assisted parents in unloading children in this location. Vehicles typically blocked the right-turn lane during unloading as the area for vehicles to stack is not wide enough to serve the unloading vehicles.
- Some parents park in any available parking spaces within the parking lot and walk their child to the school entrance.
- Several parents were also observed parking on S. Hampton Road. Vehicles would park along both sides of roadway and walk their child through the parking lot to the building. Only three (3) parents were observed parking on the street.

- A crossing guard was located at the marked crosswalk on S. Hampton Road. A significant number of students utilized this crosswalk either alone or with the company of a parent.
- No significant vehicle queue was observed on the site. This was likely due to the staggered arrival of vehicles, relatively low vehicular volume on S. Hampton Road, and a significant number of parent vehicles parking on the street.
- In general, drop-off operations appeared to run efficiently.



Photo 15: Parents drop-off along this coned section of crosswalk at the southern driveway.



Photo 16: Parents circulate through the site through the western parking lot aisle to avoid conflict with unloading buses.



Photo 17: The loop closest to the building is restricted for use by buses and vans only during arrival.



Photo 18: The playground access driveway is closed during the arrival period.

Afternoon Dismissal Period

- Parents were observed arriving to the site at approximately 2:30 p.m.
- Buses arrive on site at approximately 2:45 p.m. Buses pull into the loop adjacent to the main school entrance. Buses are loaded first, prior to the parent loading process.
- The parking aisles within the parking lot are used as storage space for parents waiting to pick up their children. Parent vehicles enter the site via the northern lot driveway and turn into the center drive aisle, facing south. They are then redirected to the north in the western drive aisle. The head of the queue is located at the northern point of the western drive aisle. Vehicles are stopped at this location and queue through the parking lot until all buses are loaded and leave the site. Parent vehicles then circulate through the loop and pick-up at the main school entrance.
- Many parents park along the road and walk to the school entrance to pick up their child. The roadway becomes quite congested with vehicles parking within the shoulders on both sides. It appeared as though some parents may also be parking along Rowell Street and walking to the school to pick-up their child. Parents appear to use the street parking to avoid the congestion within the parking lot.
- Some parents were also observed parking in any available spot in the parking lot. They would park, exit the vehicle, and approach the school to pick up their child. Parents exiting the school after parking within the lot were observed exiting from both school driveways.



Photo 19: Parents circulate through the parking lot to allow for space to queue while waiting for children.



Photo 20: Buses load at the front of the building prior to parent pick-up operations at the same location.



Photo 21: Parents were observed parking in S. Hampton Road for pick-up operations although parking is prohibited in several locations adjacent to the school driveways.



Photo 22: A crossing guard is located at the crosswalk at the southern site driveway.

Traffic Volume Assessment

An approximate vehicle volume and walking student count was also performed during the morning arrival and afternoon dismissal periods. This data is summarized in Table 3.

Table 3: Amesbury Elementary School Pick-up/Drop-off Summary

Time Period		Vehicles/Students Observed During Drop-off/Pick-up Periods				
		Parent – Parking Lot (Vehicles)	**Parent – Street** (Vehicles)	**Full-size Buses** (Vehicles)	**Vans** (Vehicles)	**Walkers** (Students)
Morning Arrival Period	**8:00 – 8:40 a.m.**	71[1]	3	5	4	23
Afternoon Dismissal Period	**2:30 – 3:15 p.m.**	47[2]	23	5	5[3]	12

1. This include both parent dropping off within the drop-off loop and those parking within the lot and bringing their child to the entrance. It was estimated that 43 parents used the loop while 28 parked.
2. The majority of parents parked within the lot and approached the school to pick up child. The remainder use the loop configuration to pick up the child near the main entrance. This figure represents the total.
3. Includes one Boys & Girls Club van

Parking Summary

A parking inventory of the Amesbury Elementary School parking lot was taken at 9:15 a.m., after the morning arrival period had concluded. This was anticipated to the peak period of demand for parking on the site. Several vehicles were observed parked outside of marked spaces. Examples of this are shown in Photos 23 and 24. The parking inventory results are shown in Table 4.



Photo 23: A vehicle parked within the accessible area required for a handicap space.

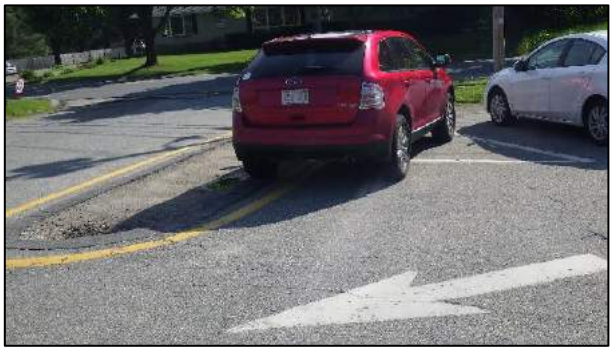


Photo 24: A vehicle parked outside of a marked parking space.

Table 4: Amesbury Elementary School Parking Inventory Results

Time	Total Parking Spaces	Vehicles Parked in Formal Spaces	Vehicle Parked outside Formal Spaces	Total Vehicles in Parking Lot	Empty Marked Spaces[1]
9:15 a.m.	90	86	4	90	4

1. Includes two (2) empty handicap parking spaces.

Woodsom Farm Area Observations

- General observations were made along Lions Mouth Road in the vicinity of Woodsom Farm.
- Traffic volumes along Lions Mouth Road were generally low.
- The area falls just outside of the existing school zone for Cashman Elementary School. The posted speed limit on Lions Mouth Road in this area is 30 miles per hour.
- The northern side of the roadway is generally clear of obstructions that would limit visibility from the proposed driveway. However, a horizontal curve in Lions Mouth Road just to the east of the proposed driveway may limit sight distance. Positioning the driveway slightly to the west, away from the curve, would increase sight distance.



Photo 25: General location of potential Woodsom Farm driveway north of Lions Mouth Road



Photo 26: The Woodsom Farm South trailhead is located across from the potential School driveway.

CONCLUSIONS AND RECOMMENDATIONS

The compilation of the existing conditions assessment has been provided to establish baseline traffic conditions for the traffic study. Pare was able to obtain existing information regarding the arrival and dismissal operations at the existing school, number of parent drop-offs at each of the elementary schools, parking demand numbers at each of the two schools, and sense of the traffic circulation patterns within the study area. In general, drop-off and pick-up operations at both existing schools appeared to be suitable, however, several minor concerns can be noted.

At Cashman Elementary School, the existing morning drop-off operations appeared to be efficient and orderly. The operational strategy in place is dependent on significant crossing guard and staff assistance. Vehicle queues appeared to be manageable and did not interrupt internal traffic circulation patterns or impact traffic on Lions Mouth Road.

Similarly, the afternoon operations are dependent on significant assistance from staff and crossing guards. The parent queue in the afternoon impacts traffic on Lions Mouth Road for a brief 5-minute window. Up to four (4) vehicles were observed queuing on Lions Mouth Road westbound, attempting to turn onto the site. The width of Lions Mouth Road is not wide enough to support this vehicle queue without impacting through traffic. However, traffic volumes on Lions Mouth Road did not appear to be high during the dismissal period. Additionally, the temporary control of traffic on Lions Mouth Road by the crossing guard to allow for buses to freely exit the site minimizes the

While the existing operations at Cashman Elementary School generally accommodates the current student population and traffic characteristics, introduction of a significantly greater number of students to the site and traffic would likely overwhelm the existing site and its pick-up and drop-off traffic patterns. Should this site be expanded to accommodate additional students, additional on-site parent queue storage and parking should be considered. Given Lions Mouth Road's relatively low traffic volume, expansion of the site would likely have minimal impact to this roadway with proper on-site vehicle queue storage and continued use of crossing guard control at the school driveway.

At Amesbury Elementary School, the morning drop-off operations appeared to work efficiently with little delay. The site was able to accommodate bus and parent traffic on the site with no significant impact to S. Hampton Street and no significant queues developed on the site.

The afternoon operations at Amesbury Elementary School had a greater impact to traffic operations on S. Hampton Street. The presence of vehicles parked on both sides of the roadway impact through traffic operations as there is insufficient shoulder width for vehicle parking without impeding on the adjacent travel lanes. It should be noted that the minimal on-site space for parent vehicle storage would not be able to support the addition of vehicles currently parking on the road.

Should the Amesbury Elementary School site host additional students, generating additional traffic to the site, significant modifications to the site would be required to accommodate additional vehicles, particularly during the afternoon dismissal period. Additional parking areas would also be required as the there appears to be inadequate supply under existing conditions.

Observations performed by Pare at the Woodson Farm site found no evidence suggesting that the use of this site would be unfeasible from a traffic perspective. It is recommended that the location of the driveway for this potential site be evaluated to ensure adequate sight distance on Lions Mouth Road. It is recommended that the driveway be located away from the horizontal curve at the east side of the site to maximize sight distance. Traffic volumes on Lions Mouth Road were relatively low during the observation period and the roadway appears as though it would be able to accommodate traffic generated by the new school.

Additionally, Pare understands that the City is concerned that under a scenario which locates all elementary school students to one location, traffic impacts may arise throughout the City of Amesbury. These impacts would be the result of traffic associated with the schools having to travel through the City center. While traffic counts and analysis have not been performed at this stage of the project, Pare did perform general observations while traveling between the proposed school sites. During the morning arrival period, traffic volumes through the City center were very light and no significant delays were observed. After the afternoon dismissal period, at approximately 3:30 p.m., traffic volumes through the City center had increased compared to the morning period. However, no intersections appeared to be operating above capacity. It should be noted that the elementary schools are dismissed prior to the typical commuter peak period of 4:00-6:00 p.m. and avoid the heaviest traffic periods. Additional investigations regarding the potential impact a single elementary school location would have on traffic operations throughout the City will be necessary during the next phase of the project. Pare would like to acknowledge that there was no evidence, from a traffic operations perspective, observed during our field review that would exclude a single city-wide elementary school from consideration.

We are available to discuss this report with you at your convenience. Please feel free to contact me or Tim Thomson if you have any questions or need additional information.

Sincerely,

John Shevlin, P.E.
Senior Vice President

JPS/TT

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PART 4: EVALUATION OF EXISTING CONDITIONS

CASHMAN ELEMENTARY SCHOOL

Cashman Elementary School

Property Data

Address:	193 Lions Mouth Road Amesbury, MA 01913
Use:	Elementary School (Grades Pre-K-4)
Site Area:	36 Acres
Date Built:	1973
Renovations:	2000 – Interior Renovations, New Windows and Roofing
Additions:	None
Occupancy Group:	E - Educational
Construction Class:	Type IIB Non-combustible/Unprotected
Zoning District:	OSC – Open Space Conservancy

Building Data

No. Floors:	Multilevel building with 5 distinct floor levels.

INTRODUCTION

The purpose of this section is to report the existing site conditions for the Cashman Elementary School site, which is under consideration as a site for a new Amesbury Elementary School. Information has been obtained from historic drawings, on-site observations, and interviews with knowledgeable parties.

GENERAL

The Cashman Elementary School site is one of (2) elementary schools in the Amesbury Public School system. It is located on a 36-acre site that abuts Woodsom Farm to the west and is accessed from Lions Mouth Road to the South. The north edge of the site is steeply sloping forested hill with an intermittent stream at the base. The site is surrounded with pockets of densely settled residential neighborhoods.

LEGAL TITLE TO THE PROPERTY / DETERMINATION OF DEVELOPMENT & RESTRICTIONS

The City of Amesbury has legal title to the property and the property is available for development. According to the deed (attached to this section), there are no developmental restrictions for the development of this site.

SITE

Primary Issues

Five accessible parking spaces are located at the front of the building, between the two entries. One of the spaces is signed for a van space, and the access aisle is the correct width.

Accessible ramps do exist in some areas where they are required and accessible ramps at the site are not to current ADA and MAAB standards, they do not include the detectable warning tiles.

The cross slope over the entire 5 spaces and aisles is too steep and does not meet the current ADA and MAAB standards.

There are 98 striped parking spaces, with (5) of them being accessible. By code, there should be (4), with one of those being van accessible. The spaces are located in the closest spaces to the main entry. With the approximate 18 additional spaces which are user made and not striped, the unofficial total of 116 spaces required (5) accessible spaces, which currently exists.

Four of the five accessible spaces are signed.

There are not enough on-site parking spaces for the school. Teachers and visitors park in striped areas, and other non-striped spaces.

Site Context

The school site is located on the edge of a residential neighborhood and an area of rural density, 1.2 miles west of the center of town. Located approximately 450' from the road, the school is approximately 30'-40' above Lions Mouth Road. Dense woods are to the north and northeast, with two ball fields to the northwest. Beyond the ball fields, is Woodsom Farm, and is owned by the City of Amesbury.

Site Access - Vehicular

The vehicular circulation comes from Lions Mouth Road. The entry is split by an island at the street, which leads to a fork of sorts. To the right, leads to a small parking lot, and the bus/parent drop-off loop. A large painted area serves as a parent staging area during pick-up.

Going left at the fork is another parking lot and a drive which continues around the building to additional parking and the loading dock/ service area.

There are 98 total striped parking spaces on the site with (4) of them being designated as accessible parking spaces. MAAB and ADA require (4) accessible spaces with (1) of those spaces being designated as a van accessible space. There are also approximately 18 non-striped, or user made spaces. These non-striped spaces would bring the total to 116, requiring (5) accessible spaces, which do exist.

The accessible parking spaces are located at the front of the building, the closest spaces to the main entrance. The accessible parking spaces appear to comply with dimensional, and aisle requirements of the current ADA and MAAB code but does not meet the cross-slope requirements. The curb ramps do not comply as they are missing the detectable warning tiles. The number of spaces and signage meet the code requirements.

Vertical and sloped granite curbing exists on site. The first two parking lots and entry drive have curbing. The condition is good to fair. The entry drive curbing is painted yellow and is chipping, wearing off. Some of the granite curbing is in good shape while some other areas demonstrate differential settlement and joints are missing mortar.

Overall, the vehicular pavement is in fair condition.

Adjacent to the drop off loop, there is a flush curb leading to the field to eastern portion of the property.

Site Access - Pedestrian

A public sidewalk from either direction on Lions Mouth Road connects the school to the surrounding neighborhood. The sidewalk continues onto the school property one side of the road. The sidewalks are in fair condition but are narrow, typically less than 48" wide.

Crosswalks are at either end of the main entrance and at sidewalk connections. In general, crosswalks, and parking striping are faded.

Accessible ramps do exist in some areas where they are required and accessible ramps at the site are not to the current ADA and MAAB code, as they do not have detectable warning tiles.

An accessible drop off zone also does not exist. There is a painted staging area for bus/parent drop-off, but there are no curb cut ramps at this area.

There are no detectable warning titles at any of the curb ramps and vehicular crossings.

Play Areas

There are two play areas located on the school property. One is located to the NE of the existing school, with the second play area located to the west of the school.

The western playground is fenced in with chain link fencing (CLF), a plastic edging and wood fiber mulch. The CLF is in poor condition. Rails are bent, and some are miss-aligned. The plastic edging is also in poor condition. There are two picnic tables located within the fencing. A plastic storage container is located outside the fencing and is in good condition.

The northeastern playground has a surface of wood fiber mulch, with timber edging (railroad ties). The playground is not fenced in but does have an accessible ramp from the building. The ramp does not appear to comply completely to the code, particularly a turn in direction without a landing.

The third informal play area is located to the northwest, near the ball fields. This play area consists of two Funnelball posts. One post is out of plumb and has the footing exposed. The lawn area also holds water. The area of the Funnelball is the low point in this area.

All of the play equipment should be evaluated to determine if the equipment meets current standards and if the play equipment can be reused or relocated to another location in the City.

There are two baseball fields located to the northwest which are in good condition. The fields share a concession stand and a batting cage. Each field is lit with sports lighting.

The galvanized chain link fence appears in good condition, with the dug-outs being in fair condition, and have a wooden and corrugated metal roof. Dugout benches are made out of wood and are in fair to poor condition. The smaller of the two CLF backstop is in fair condition, with the larger one being in good condition. The infields are in good condition.

Landscape

The property is largely lawn, with a variety of conditions. The area around the NE playground is especially poor and nonexistent. The lawn to the NW is a low point and was observed with standing water.

The trees on the site appear to be in good health. The bulk of the trees occur in a large island between two rows of parking. There are three large white pine trees that appear to be in good health but are located at the corner of the building. They could become an issue during future nor'easters.

The bulk of the shrub planting occurs at the front of the building and are mostly evergreen. The evergreens have not been overly pruned in the manner observed at the Amesbury ES.

Miscellaneous

Two dumpsters and a recycling dumpster are located near the loading dock, in full view, with no screening.

Adjacent to the dumpsters is a transformer and a generator. Both are located within a pen of CLF. No protective bollard exists nor screening of the transformer.

There is one long bike rack located on the southwestern side of the building, adjacent to the fork of the entry drive. The rack is double sided but is located at the edge of the concrete pavement, anchored into cored holes in the pavement. There is a 4' – 5' section of decorative aggregate on the other side between the rack and the curbing. The double long rack can hold approximately 30 bikes when accessed from the concrete pavement. If located within the decorative aggregate, it could accommodate approximately 60 bikes.

There are a number of granite benches at the NE playground which can be salvaged and re-used. These are the only non-ball field related benches on site.

The school sign at the street is in fair condition.

Site lighting consists of shoebox pole lights and wall packs on the building. The poles are in good shape and appear to have been retrofitted with LED lights.

The flagpole is not accessible. It is located on an island mainly of lawn and a few plants and trees. There are no curb ramps to access the flagpole.

Special Site Features

There is a fenced off area to the west of the school. This is "The Great Cashman Pumpkin Patch". The garden also includes two rain barrels.

GEOTECHNICAL INVESTIGATIONS

PRELIMINARY GEOTECHNICAL DATA REVIEW

GZA GeoEnvironmental, Inc (GZA) performed a geotechnical exploration of the existing Cashman Elementary School site for indications of significant geotechnical issues that might affect site selection, design, and construction of a new school.

GZA's Preliminary Geotechnical Engineering Report is attached to this section.

SOILS

The NRCS Web Soil Survey indicates near-surface soils (within about 70 inches from ground surface) over most of the site are a well-drained glacial till consisting of deep gravelly fine sandy loam with a seasonal groundwater of over 5 feet. These are in the Charlton Soil Series that have few limitations for development. They are also classified by the USDA as "Prime Farmland Soil" and "Farmland of State Importance". *(Note that since this site is not in active agricultural use, this would not likely be a significant issue under a MEPA review.)*

There is an intermittent stream with associated wetlands located along the northeast side of the site. The soils in this area are mapped as Leicester Soil Series. This wetland drains northwest and the Leicester soils are poorly drained with typical wetland characteristics. The area adjacent to the upper portion of the stream in the eastern portion of the site is mapped as Sutton Soil Series.

The following soil types are mapped by NRCS on the site:

- Charlton Series: This soil is located over a substantial portion of the site. The south-central portion is occupied by the Cashman School building and parking areas. The western portion is presently a little league baseball field complex with two fields and a concession stand and restroom facilities.

- In undisturbed areas, the topsoil is a fine sandy loam. The substrata is a gravelly fine sandy loam with some cobbles. The soil is well drained with moderate to moderately rapid permeability. The soils have few limitations for development and are suitable for stormwater management infiltration BMPs. They are classified by the USDA as "Prime Farmland Soil" and "Farmland of State Importance".

- Leicester Series: There are deep, poorly drained fine sandy loam soils over dense, silty glacial till found in depressions and drainage ways. Seasonal high water table is at or very near the surface and has wetland characteristics. On this site, they are located along the stream and wetlands at the base of the hill in the northeast portion of the site.

- Paxton and Woodbridge Series: These are fine sandy loam surface soils over a dense glacial till. The Paxton soil is well drained with moderate permeability with a seasonal high groundwater at greater than 6 feet. The Woodbridge Soil contains less sand and is moderately well drained but has a perched seasonal water table at that results in a perched seasonal groundwater table at 1.5 to 3.0 feet below the surface. These soils are located in the narrow strip of hillside land, northeast of the wetland area.

- Sutton Series: This soil is located along the intermittent stream in the eastern portion of the site. They are moderately well drained glacial till soils on uplands consisting of sandy loams to loamy sands with moderate to moderately rapid permeability. Seasonal high groundwater levels are typically in the substratum at a depth of about 42 inches. Due to the proximity of the stream, groundwater depth may be closer to the surface.

WETLANDS AND FLOODPLAINS

Wetland Resource Areas under the Massachusetts Wetlands Protection Act and the Amesbury Wetlands Protection Ordinance are present at the subject site. There is a Bordering Vegetated Wetland consisting of shallow marsh, shrub swamp and wooded swamp located along a stream that flows northwesterly along the base of the hill in the northeastern portion of the site. According to the latest USGS Topographic Maps, the stream is classified as intermittent in this site.

Relative to Land Subject to Flooding, the current FEMA Flood Hazard Map information for the site shows a “Shaded Zone X”. This is an area of shallow flooding and is not classified as a Bordering Land Subject to Flooding under the WPA.

The jurisdictional boundaries and buffer zones present on the site are an important consideration in planning any development at this site. The Amesbury Wetlands Ordinance Regulations have restrictions for alterations within the 100-foot Buffer Zone to Wetland Resource Areas (WRAs). With some exceptions on a case by case basis, they permit no landscaping within 25 feet of a WRA and no building or structures within 50 feet of a WRA. Depending on the environmental value of the WRA, the Conservation Commission may require greater setbacks.

The WRAs on the site are not tributary to any surface water supplies, so are not considered “Critical Areas” under the Mass. Stormwater Regulations.

ZONE II AQUIFERS AND REGULATED WATER SUPPLIES

The Zone II is an area of land determined to contribute water to a public water supply well(s) under the most severe pumping and recharge conditions that can be anticipated. These areas have been mapped by the State and are classified as “Critical Areas” under various State and local regulations such as the Mass. Wetlands Protection Act Regulations, Water Supply Protection Regulations, Stormwater Management Regulations, and municipal Aquifer Protection Bylaws and Ordinances.

To determine whether the project was in a Zone II, we reviewed the Zone II boundaries from the Mass. GIS Database. According to the mapping, the subject site is not within any regulated “Wellhead Protection Area Zone II” under the state and local laws.

The State also regulates tributaries to public surface water supplies. These are known as a “Regulated Zone A”. The on-site stream is not tributary to any Surface Water Supply and not subject to any measures relative to Regulated Zone A requirements.

WILDLIFE HABITAT

Rare species and their habitats are protected by the Massachusetts Endangered Species Act (MESA) and the Massachusetts Wetlands Protection Act. A project which alters Priority or Estimated Habitat must be reviewed by the Natural Heritage and Endangered Species Program (NHESP) for compliance with MESA.

Priority and estimated habitats along with certified and potential vernal pools have been delineated and published by NHESP in the Edition 2017 Massachusetts Natural Heritage Atlas, the most current version. The NHESP data layer is available for review on MASS GIS. The Natural Heritage data layers are used to screen projects and activities that may impact state-listed rare species and their habitat.

Based on a review of the Massachusetts GIS online mapping Natural Heritage Data Layers, the site does not exist within any area designated as Estimated Habitat or Priority Habitat of Rare Wetlands Wildlife. There are also no certified vernal pools or known potential vernal pools on this site or the adjacent sites to the subject property.

STORMWATER MANAGEMENT

Not determined at this time. Additional research/studies will be performed if this site is chosen.

WATER SUPPLY SYSTEM

According to the City Engineer, Peter Manor, City water is available to the site from the main in Lions Mouth Road.

SANITARY SEWER

The existing building is served by the City Sewer in Lions Mouth Road. Additional information not determined at this time. Additional research/studies will be performed if this site is chosen.

GAS UTILITY

Not determined at this time. Additional research/studies will be performed if this site is chosen.

TRAFFIC STUDY

A traffic study has been performed and the combined report is attached to this section with the Amesbury Elementary School attachments.

ENVIRONMENTAL SITE ASSESSMENT

An ESA Phase 1 Initial Site Investigation has been completed and has been included in this section.

PART 4: EVALUATION OF EXISTING CONDITIONS
CASHMAN ELEMENTARY SCHOOL ATTACHMENTS

- Assessor's Card
- Deed
- ANRAD
- ANRAD Peer Review
- Preliminary Geotechnical Report
- Phase I Environmental Site Assessment
- Existing Conditions Traffic Assessment (See AES Attachments)

193 LIONS MOUTH RD

Location	193 LIONS MOUTH RD	**Mblu**	50/ / 6/ /
Acct#		**Owner**	AMESBURY CITY OF
Assessment	$8,061,100	**PID**	4685
Building Count	1		

Current Value

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$6,545,400	$1,515,700	$8,061,100

Owner of Record

Owner	AMESBURY CITY OF	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	TOWN HALL AMESBURY, MA 01913	**Book & Page**	05833/0124
		Sale Date	12/30/1971

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
AMESBURY CITY OF	$0		05833/0124	12/30/1971

Building Information

Building 1 : Section 1

Year Built:	1975
Living Area:	61,320
Replacement Cost:	$9,437,102
Building Percent Good:	65
Replacement Cost Less Depreciation:	$6,134,100

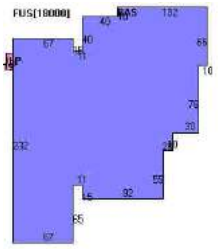
Building Attributes	
Field	**Description**
STYLE	High School
MODEL	Commercial
Grade	Average +10
Stories:	2
Occupancy	2
Exterior Wall 1	Brick/Masonry
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	Minim/Masonry
Interior Floor 1	Vinyl/Asphalt
Interior Floor 2	
Heating Fuel	Gas
Heating Type	Forced Air-Duc
AC Type	None
Bldg Use	PUB-SCHOOL
Total Rooms	
Total Bedrms	00
Total Baths	2
1st Floor Use:	9033
Heat/AC	NONE
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	SUS-CEIL & WL
Rooms/Prtns	AVERAGE
Wall Height	14
% Comn Wall	0

Building Photo



(http://images.vgsi.com/photos/AmesburyMAPhotos//\00\01\57/

Building Layout



Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	43,320	43,320
FUS	Upper Story, Finished	18,000	18,000
ULP	Loading Platform, Unfinished	152	0
		61,472	61,320

Extra Features

Extra Features				Legend
Code	**Description**	**Size**	**Value**	**Bldg #**
SPR2	WET CONCEALED	56760 S.F.	$129,100	1
ELV2	COMM/AVG	4 UNIT	$104,000	1

Land

Land Use

Use Code	9340
Description	Education C
Zone	OSC

Land Line Valuation

Size (Acres)	35.32
Frontage	180
Depth	1200

Neighborhood 0200
Alt Land Appr No
Category

Assessed Value $1,515,700

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
PAV1	PAV ASPH			74574 S.F.	$138,000	1
LT1	LIGHTS INC 1			7 UNITS	$2,400	1
LT2	LIGHTS INC 2			2 UNITS	$1,100	1
	BLEACHR			1	$1,000	1
CAB2	W/PLUMB			576 S.F.	$16,100	1
LT12	LIGHTS SOD 4			4 UNITS	$13,300	1
WDDK	WOOD DECK			559 S.F.	$6,000	1
SGN1	SIGN 1 SIDE			16 SF+HT	$300	1

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193 LIONS MOUTH RD

Location	193 LIONS MOUTH RD	**Mblu**	50/ / 16/ /
Acct#		**Owner**	AMESBURY CITY OF
Assessment	$105,800	**PID**	5504
Building Count	1		

Current Value

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$0	$105,800	$105,800

Owner of Record

Owner	AMESBURY CITY OF	**Sale Price**	$0
Co-Owner	CASHMAN SCHOOL-ELEMENTARY	**Certificate**	
Address	TOWN HALL AMESBURY, MA 01913	**Book & Page**	05833/0124
		Sale Date	12/30/1971

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
AMESBURY CITY OF	$0		05833/0124	12/30/1971

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0
Replacement Cost: $0
Building Percent Good:
Replacement Cost Less Depreciation: $0

Building Attributes	
Field	**Description**
Style	Vacant Land
Model	
Grade:	
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	

Building Photo



(http://images.vgsi.com/photos/AmesburyMAPhotos//default.jpg)

Building Layout

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	9300
Description	Town V
Zone	R20
Neighborhood	
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	0.23
Frontage	100
Depth	100
Assessed Value	$105,800

Outbuildings

Outbuildings	Legend

No Data for Outbuildings

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193 LIONS MOUTH RD

Location	193 LIONS MOUTH RD	**Mblu**	50/ / 42/ /
Acct#		**Owner**	AMESBURY CITY OF
Assessment	$172,700	**PID**	5531
Building Count	1		

Current Value

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$31,100	$141,600	$172,700

Owner of Record

Owner	AMESBURY CITY OF	**Sale Price**	$0
Co-Owner	CASHMAN SCHOOL-ELEMENTARY	**Certificate**	
Address	TOWN HALL AMESBURY, MA 01913	**Book & Page**	05843/0244
		Sale Date	02/15/1972

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
AMESBURY CITY OF	$0		05843/0244	02/15/1972

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0
Replacement Cost: $0
Building Percent Good:
Replacement Cost Less Depreciation: $0

Building Attributes	
Field	**Description**
Style	Vacant Land
Model	
Grade:	
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	

Building Photo



(http://images.vgsi.com/photos/AmesburyMAPhotos//default.jpg)

Building Layout

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	9300
Description	Town V
Zone	R20
Neighborhood	
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	0.86
Frontage	110
Depth	325
Assessed Value	$141,600

Outbuildings

Outbuildings	Legend

Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
PAV1	PAV ASPH			10112 S.F.	$28,100	1
LT5	LIGHTS MER 1			4 UNITS	$3,000	1

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BK5833 PG124

MASSACHUSETTS QUITCLAIM DEED INDIVIDUAL (LONG FORM) 862

& Plan I, Lucinda H. Snow, widow

See Pl. B. 121 Pl.52 of Amesbury, Essex County, Massachusetts

~~being married~~, for consideration paid, and in full consideration of $60,000.00

grants to the Inhabitants of the Town of Amesbury, a municipal corporation situate in the County of Essex, Commonwealth of Massachusetts

~~of~~ with quitclaim covenants

~~the following~~

[Description and encumbrances, if any]

A certain parcel of land containing 34.83395 acres situate in Amesbury Northerly of Lionsmouth Road also known as Friend Street and bounded and described as follows: Beginning at an iron pin in the boundary line between land of Lucinda H. Snow and land of Woodsom which is 350 feet Northeasterly along said boundary line from said Lionsmouth Road; thence running North 52° 51' 04" East 867.80 feet to an iron pin in said boundary line; thence running North 53° 58' 04" East 180 feet to another iron pin in said boundary line; thence running North 53° 27' 04" East 232 feet to a drill hole in a stone wall at land of Rogers; thence running South 19° 21' 04" East by a stone wall and land of Rogers 533.13 feet to a stone bound; thence running North 49° 02' 26" East 432.49 feet by said stone wall; thence North 48° 23' 40" East 210.53 feet by said stone wall and North 47° 23' 30" East by said stone wall the last three courses being by said land of Rogers 165.99 feet to a drill hole in a stone wall at land of Chayer; thence running South 20° 11' 50" East by a stone wall and land of Chayer 124.26 feet to a drill hole and another corner in said stone wall; thence running South 46° 51' 02" West 118.67 feet by a stone wall; South 47° 12' 53" West 222.37 feet; thence South 49° 25' 58" West 463.65 feet to a drill hole in another corner in said stone wall; thence South 22° 48' 50" East 93.89 feet to a drill hole in a corner of said stone wall; thence South 43° 36' 30" West 21.42 feet to another corner in said stone wall; thence South 18° 39' 42" East 102.09 feet by said stone wall; South 24° 37' 56" East 242.53 feet by said stone wall; South 24° 00' 45" East 413.69 feet by said stone wall the thence South 25° 15' 56" East 146.14 feet by said stone wall to another stone wall at land of Rossi, the last nine courses being by land of Gilbert G. Campbell, Inc.; thence South 47° 00' 04" West by said stone wall and land of Rossi 339.19 feet to a stake in a pipe at land of Wilkins; thence running North 57° 03' 25" West by land of Wilkins, Gunning and others 913.35 feet to the Northwesterly corner of the parcel hereinafter described; thence running South 32° 56' 35" West 180.80 feet by the parcel hereinafter described and a right-of-way 55 feet wide to land now or formerly of Mitchell; thence running North 57° 03' 25" West by land of Mitchell, land of Pelletier and land of Freeman 380 feet to an iron pin at remaining land of the grantor, Lucinda H. Snow; thence running North 54° 04' 05" East by said Snow land 120 feet to an iron pin; thence running North 37° 35' 42" West by said remaining land of Snow, the grantor, 489.92 feet to the iron pin at land of Woodsom and point of beginning. Together with a right of way to Friend Street over said 55 foot right of way.

Said parcel is shown as Parcel 1 on "Plan of Land in Amesbury prepared for Town of Amesbury, Scale 1"=50', Dec. 17, 1971, Essex Survey Service, Inc. to be recorded herewith and consists of Lot No. 20 on the Amesbury Assessors Map 50 and a portion of the Lot shown as No. 27 on the Assessors Map No. 49.

Also a certain parcel of land shown as Parcel 2 on the above mentioned plan containing 10,000 square feet, more or less, and bounded Southwesterly by a 55 foot right-of-way, there measuring 100 feet; Northwesterly by the first parcel above described and there measuring 100 feet; Northeasterly by the parcel above described there measuring 100 feet; and Southeasterly by land of Dollen there measuring 100 feet. This parcel is shown as Lot No. 11 on Amesbury Assessors Map No. 59. Together with a right of way to Friend Street over said 55 foot right of way.

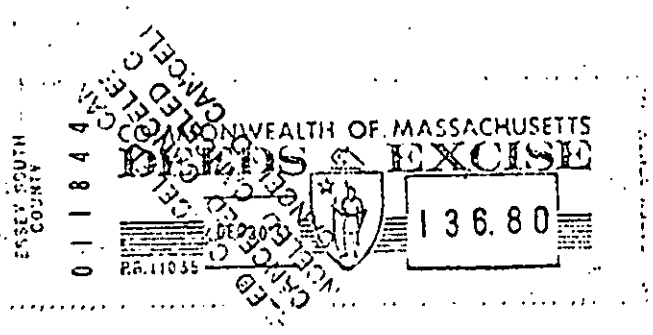
Conveying hereby a portion of the premises conveyed to the grantor by Rosamond Greenwood by deed dated February 18, 1937, recorded with Essex, South District, Deeds in Book 3101, Page 563 and being a portion of the premises conveyed to her late father Edward D. Hanley by deed of Lydia J. Rowell and others dated September 14, 1889, recorded with said Deeds in Book 1526, Page 407 and the entire premises conveyed to said Edward D. Hanley by Jacob R. Huntington by deed dated October 24, 1902, and recorded with said Deeds in Book 3101, Page 561.

Regardless of the date of delivery of this deed and its recording, the within described land is conveyed subject to municipal taxes for the year 1972 which the Grantee assumes and agrees to pay. In the event that the land herein conveyed is included in one 1972 tax bill with the Grantors remaining land, the taxes shall be apportioned as of January 1, 1972.

(*Individual — Joint Tenants — Tenants in Common — Tenants by the Entirety.)

Witness my hand and seal this twenty-seventh day of December, 19 71.

Lucinda H. Snow



The Commonwealth of Massachusetts

Essex, ss. December 27, 19 71

Then personally appeared the above named Lucinda H. Snow

and acknowledged the foregoing instrument to be her free act and deed, before me

Edward M. Conley

Edward M. Conley, Notary Public

My Commission Expires October 5, 19 73.

Essex ss. Recorded Dec. 30, 1971: 20 m. past 11 A.M. #59

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 4A – Abbreviated Notice of Resource Area Delineation

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Amesbury
City/Town

A. General Information

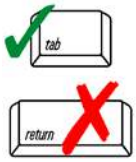
1. Project Location (**Note:** electronic filers will click on button for GIS locator):

193 Lions Mouth Road — a. Street Address
Amesbury — b. City/Town
01913 — c. Zip Code

Latitude and Longitude:
42.856816 — d. Latitude
70.949317 — e. Longitude

50 — f. Assessors Map/Plat Number
6 and 42 — g. Parcel /Lot Number

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



2. Applicant:

Ken — a. First Name
Gray — b. Last Name
City of Amesbury, Mayors Office — c. Organization
62 Friend Street — d. Mailing Address
Amesbury — e. City/Town
MA — f. State
01913 — g. Zip Code
978-388-8121 — h. Phone Number
978-388-6727 — i. Fax Number
Mayorgray@amesburyma.gov — j. Email Address

3. Property owner (if different from applicant):

☐ Check if more than one owner (attach additional sheet with names and contact information)

Same — a. First Name
b. Last Name
c. Organization
d. Mailing Address
e. City/Town
f. State
g. Zip Code
h. Phone Number
i. Fax Number
j. Email Address

Note: Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

4. Representative (if any):

Fredric — a. Contact Person First Name
King — b. Contact Person Last Name
DGT Associates — c. Organization
1071 Worcester Road — d. Mailing Address
Framingham — e. City/Town
MA — f. State
01701 — g. Zip Code
508-879-0030 — h. Phone Number
508-879-1797 — i. Fax Number
fking@dgtassociates.com — j. Email Address

Fees will be calculated for online users.

5. Total WPA Fee Paid (from attached ANRAD Wetland Fee Transmittal Form):

Fee exempt — a. Total Fee Paid
b. State Fee Paid
c. City/Town Fee Paid

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 4A – Abbreviated Notice of Resource Area Delineation

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Amesbury
City/Town

B. Area(s) Delineated

1. Bordering Vegetated Wetland (BVW) — 2,550 ft. (Linear Feet of Boundary Delineated)

2. Check all methods used to delineate the Bordering Vegetated Wetland (BVW) boundary:

   a. ☒ MassDEP BVW Field Data Form (attached)

   b. ☐ Other Methods for Determining the BVW boundary (attach documentation):

      1. ☒ 50% or more wetland indicator plants
      2. ☒ Saturated/inundated conditions exist
      3. ☒ Groundwater indicators
      4. ☐ Direct observation
      5. ☒ Hydric soil indicators
      6. ☐ Credible evidence of conditions prior to disturbance

3. Indicate any other resource area boundaries that are delineated:

a. Resource Area	b. Linear Feet Delineated
Bordering Vegetated Wetlands	2,550
c. Resource Area	d. Linear Feet Delineated

C. Additional Information

Applicants must include the following plans with this Abbreviated Notice of Resource Area Delineation. See instructions for details. **Online Users:** Attach the Document Transaction Number (provided on your receipt page) for any of the following information you submit to the Department.

1. ☒ ANRAD (Delineation Plans only)
2. ☒ USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
3. ☒ Plans identifying the boundaries of the Bordering Vegetated Wetlands (BVW) (and/or other resource areas, if applicable).
4. ☒ List the titles and final revision dates for all plans and other materials submitted with this Abbreviated Notice of Resource Area Delineation.

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 4A – Abbreviated Notice of Resource Area Delineation

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Amesbury
City/Town

D. Fees

The fees for work proposed under each Abbreviated Notice of Resource Area Delineation must be calculated and submitted to the Conservation Commission and the Department (see Instructions and Wetland Fee Transmittal Form).

1. ☒ Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to the attached Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number	3. Check date
4. State Check Number	5. Check date
6. Payor name on check: First Name	7. Payor name on check: Last Name

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 4A – Abbreviated Notice of Resource Area Delineation
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Amesbury
City/Town

E. Signatures

I certify under the penalties of perjury that the foregoing Abbreviated Notice of Resource Area Delineation and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

I hereby grant permission, to the Agent or member of the Conservation Commission and the Department of Environmental Protection, to enter and inspect the area subject to this Notice at reasonable hours to evaluate the wetland resource boundaries subject to this Notice, and to require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.

I acknowledge that failure to comply with these certification requirements is grounds for the Conservation Commission or the Department to take enforcement action.

1. Signature of Applicant

2. Date 8/24/18

3. Signature of Property Owner (if different)

4. Date

5. Signature of Representative (if any)

6. Date 8/24/18

For Conservation Commission:
Two copies of the completed Abbreviated Notice of Resource Area Delineation (Form 4A), including supporting plans and documents; two copies of the ANRAD Wetland Fee Transmittal Form; and the city/town fee payment must be sent to the Conservation Commission by certified mail or hand delivery.

For MassDEP:
One copy of the completed Abbreviated Notice of Resource Area Delineation (Form 4A), including supporting plans and documents; one copy of the ANRAD Wetland Fee Transmittal Form; and a copy of the state fee payment must be sent to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery. (E-filers may submit these electronically.)

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.

DGT Associates
Surveying & Engineering

1071 Worcester Rd.
Framingham, MA 01701
508.879.0030
www.dgtassociates.com

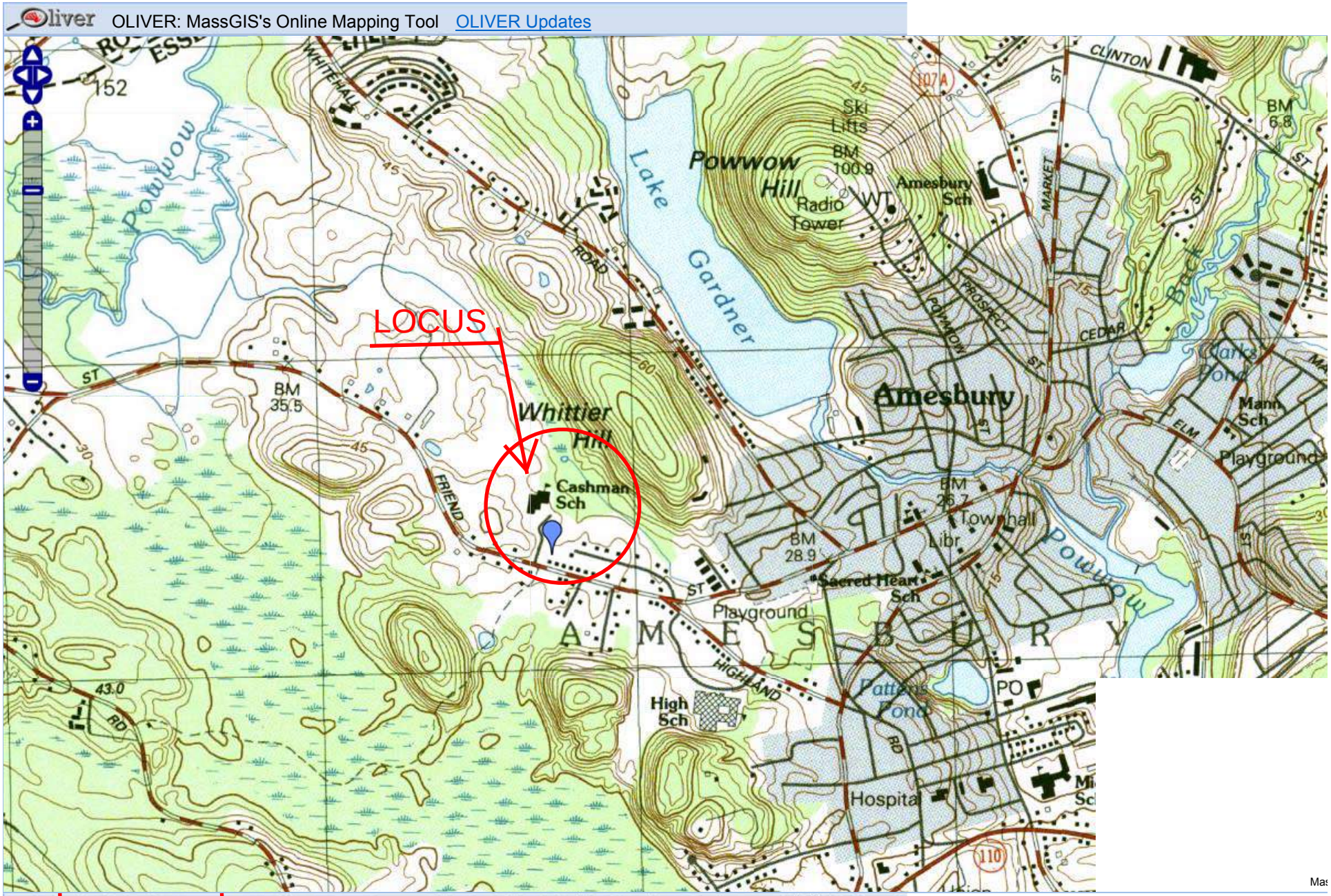
25286

CASHMAN ELEMENTARY SCHOOL SITE

ANRAD FILING

LIST OF ATTACHMENTS

ATTACHMENT 1	**USGS LOCUS MAP**
ATTACHMENT 2	**CERTIFIED ABUTTERS LIST (300 FT.) And ABUTTER NOTIFICATION**
ATTACHMENT 3	**WETLAND DELINEATION REPORT** Dated 8/23/18 by DGT Associates
ATTACHMENT 4	**"CHARLES C. CASHMAN ELEMENTARY SCHOOL - COMPILED PLAN OF LAND IN AMESBURY, MA"** Dated last revised 8/22/18, By Hancock Associates.



ATTACHMENT 1
LOCUS MAP

DGT Associates
Surveying &
Engineering

1071 Worcester Rd.
Framingham, MA 01701
508.879.0030
www.dgtassociates.com

25286

CASHMAN ELEMENTARY SCHOOL

ANRAD FILING

ATTACHMENT 2

CERTIFIED ABUTTERS LIST
And ABUTTER NOTIFICATION

Amesbury

Assessors Office

RECEIVED
18 AUG -7 AM 9:38
BOARD OF ASSESSORS
AMESBURY, MA

Board of Assessors
John Cena, MAA
Damian Johnson, MAA
Bradford W. Swanson, MAA

Town Hall; 62 Friend Street
Amesbury, MA 01913-2825
Telephone: (978)388-8102
E-mail: assessor@amesburyma.gov
Web site: www.amesburyma.gov

REQUEST FOR AN ABUTTERS LIST

Location of property: Cashman Elementary School, 193 Lions Mouth Road, Amesbury, MA.

Map/Lot: Map 50, Parcel 6 and 42.

Requestor: (please print) Fredric King

Phone Number: 508-879-0030 extension 221

Request is made for application to the following board:

☒ Conservation Commission (~~100'~~ 300'); date of meeting: September 17, 2018

☐ Planning Board (300'); date of meeting: _____

☐ Liquor Commission (300', 500' schools & churches); date of hearing: _____

☐ Zoning Board of Appeals – (300 feet); date of meeting _____

☐ Other (explain) **fee required**: _____
#feet: _____ Immediate abutters only _____

Note: The Assessors Office has **ten (10) days** from the date of receipt of this application to process your request. We will call the requestor when the abutters list is complete. The **original complete abutters** list must be submitted with your application for the appropriate board. **Lists cannot be mailed unless a prepaid, self addressed envelope is attached to this application (no certified).** We will not be responsible for lists sent through the mail. Completed lists can be picked up at the Assessors Office during normal office hours of Monday through Wednesday 8:00 am to 4:00 pm, Thursday 8:00 am – 7:00 pm, Friday 8:00 am to 12:00 pm.

Signed: Fredric W. King Date: 8/6/18

☐ Prepaid, self addressed envelope attached.

Property Location: 193 LIONS MOUTH RD | MAP ID: 50/ / 6/ / | Bldg Name: CASHMAN SCHOOL | State Use: 9340

Vision ID: 4685 | Account # | Bldg #: 1 of 1 | Sec #: 1 of 1 | Card 1 of 2 | Print Date: 08/08/2018 11:17

CURRENT OWNER	TOPO.	UTILITIES	STRT./ROAD	LOCATION
AMESBURY CITY OF TOWN HALL AMESBURY, MA 01913 Additional Owners:				

SUPPLEMENTAL DATA

Other ID:	00050 00000 00020	Use Change	
Sub-Div		Original Lot	
Spec.Cond.		NOTES	
OWNER OCCU		STYLE	
ABC	F99	CHAPTER L	
NUMBER			
GIS ID: 4685		ASSOC PID#	

CURRENT ASSESSMENT

Description	Code	Appraised Value	Assessed Value
EXEMPT	9340	6,367,200	6,367,200
EXM LAND	9340	1,515,700	1,515,700
EXEMPT	9340	178,200	178,200
		Total	8,061,100	8,061,100

101
AMESBURY, MA

VISION

RECORD OF OWNERSHIP	BK-VOL/PAGE	SALE DATE	q/u	v/i	SALE PRICE	V.C.
AMESBURY CITY OF	05833/0124	12/30/1971			0	

PREVIOUS ASSESSMENTS (HISTORY)

Yr.	Code	Assessed Value	Yr.	Code	Assessed Value	Yr.	Code	Assessed Value
2018	9340	6,367,200	2017	9340	6,367,200	2016	9340	6,732,900
2018	9340	1,515,700	2017	9340	1,468,000	2016	9340	1,416,500
2018	9340	178,200	2017	9340	178,200	2016	9340	77,200
		Total: 8,061,100			Total: 8,013,400			Total: 8,226,600

EXEMPTIONS

Year	Type	Description	Amount
		Total:	

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm. Int.

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD

NBHD/ SUB	NBHD Name	Street Index Name	Tracing	Batch
0001/A				

NOTES

CASHMAN SCHOOL
ELEVATOR = 4 STOPS, 1800 CAPAC
MULTI LEVELS = TOPO

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	6,134,100
Appraised XF (B) Value (Bldg)	233,100
Appraised OB (L) Value (Bldg)	178,200
Appraised Land Value (Bldg)	1,515,700
Special Land Value	0
Total Appraised Parcel Value	8,061,100
Valuation Method:	C
Adjustment:	0
Net Total Appraised Parcel Value	8,061,100

BUILDING PERMIT RECORD

Permit ID	Issue Date	Type	Description	Amount	Insp. Date	% Comp.	Date Comp.	Comments
402	04/06/2005	RE	Remodel	0	04/10/2007	0	04/10/2007	2 NON-STRUCTUAL W
01-181	10/10/2000	RE	Remodel	4,000,000	04/10/2007	0	04/10/2007	DEM./REBUILD
98-191	11/13/1997	NC	New Constru	16,955	09/10/1998	100	04/29/1998	24x24 ACC
95-112	04/28/1995	CM	Commercial	1,000	06/30/1998	0		SHED
88-387	09/15/1988	CM	Commercial	1,700	06/30/1989	100	10/27/1988	BLEACHERS
88-343	08/26/1988	CM	Commercial	2,500	06/30/1989	100	09/15/1988	ACCESS STRUC
83-226	07/09/1983	RE	Remodel	18,000	01/20/1984	100	12/31/1983	RENOVATIONS BATH

VISIT/ CHANGE HISTORY

Date	Type	IS	ID	Cd.	Purpose/Result
08/24/2016			CW	ML	Measure & List
07/27/2016			CW	EI	Exterior Inspection
04/10/2007			RD	00	Measur+Listed
09/10/1998			HF	BP	Building Permit
06/01/1980			78	10	Letter sent

LAND LINE VALUATION SECTION

B #	Use Code	Use Description	Zone	D	Front	Depth	Units		Unit Price	I. Factor	S.A.	Acre Disc	C. Factor	ST. idx	Adj.	Notes- Adj	Special Pricing		S Adj Fact	Adj. Unit Price	Land Value
1	9340	Education C	OSC		180	1200	43,560	SF	3.36	1.0400	A	1.0000	1.00	0200	1.15	SITE SIZE = 5X L/B			.00	4.02	175,000
1	9340	Education C	OSC		180	1200	6.04	AC	152,300.00	1.0000	0	1.0000	1.00	0200	1.15				.00	175,145.00	1,057,900
1	9340	Education C	OSC				28.28	AC	10,000.00	1.0000	0	1.0000	1.00		0.00				.00	10,000.00	282,800

Total Card Land Units: 1,538,539 SF | Parcel Total Land Area: 1,538,539 SF | Total Land Value: 1,515,700

Property Location: 193 LIONS MOUTH RD | MAP ID: 50/ / 6/ / | Bldg Name: CASHMAN SCHOOL | State Use: 9340

Vision ID: 4685 | Account # | Bldg #: 1 of 1 | Sec #: 1 of 1 | Card 1 of 2 | Print Date: 08/08/2018 11:17

CONSTRUCTION DETAIL

Element	Cd.	Ch.	Description
Style	83		High School
Model	94		Commercial
Grade	04		Average +10
Stories	2		
Occupancy	2		
Exterior Wall 1	20		Brick/Masonry
Exterior Wall 2			
Roof Structure	03		Gable/Hip
Roof Cover	03		Asph/F Gls/Cmp
Interior Wall 1	05		Drywall/Sheet
Interior Wall 2	01		Minim/Masonry
Interior Floor 1	05		Vinyl/Asphalt
Interior Floor 2			
Heating Fuel	03		Gas
Heating Type	04		Forced Air-Duc
AC Type	01		None
Bldg Use	9033		PUB-SCHOOL
Total Rooms			
Total Bedrms	00		
Total Baths	2		
Heat/AC	00		NONE
Frame Type	03		MASONRY
Baths/Plumbing	02		AVERAGE
Ceiling/Wall	05		SUS-CEIL & WL
Rooms/Prtns	02		AVERAGE
Wall Height	14		
% Comn Wall	0		

CONSTRUCTION DETAIL (CONTINUED)

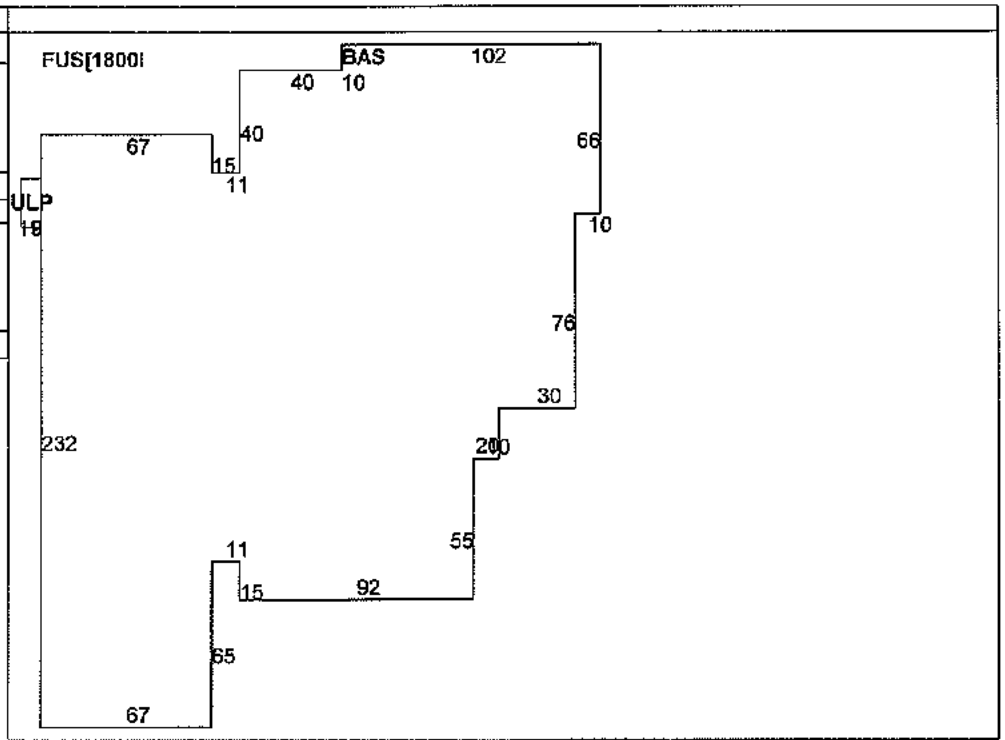
Element	Cd.	Ch.	Description

MIXED USE

Code	Description	Percentage
9340	Education C	100

COST/MARKET VALUATION

Adj. Base Rate:	153.82
	9,437,102
Net Other Adj:	0.00
Replace Cost	9,437,102
AYB	1975
EYB	1981
Dep Code	G
Remodel Rating	
Year Remodeled	
Dep %	35
Functional Obsinc	0
External Obsinc	0
Cost Trend Factor	1
Condition	
% Complete	
Overall % Cond	65
Apprais Val	6,134,100
Dep % Ovr	0
Dep Ovr Comment	
Misc Imp Ovr	0
Misc Imp Ovr Comment	
Cost to Cure Ovr	0
Cost to Cure Ovr Comment	





OB-OUTBUILDING & YARD ITEMS(L) / XF-BUILDING EXTRA FEATURES(B)

Code	Description	Sub	Sub Descript	L/B	Units	Unit Price	Yr	Gde	Dp Rt	Cnd	%Cnd	Apr Value
PAV1	PAV ASPH			L	74,57	3.70	1985		0		50	138,000
LT1	LIGHTS INC 1			L	7	690.00	1985		0		50	2,400
LT2	LIGHTS INC 2			L	2	1,100.00	1985		0		50	1,100
	BLEACHR			L	1	1,000.00	1988		0		100	1,000
CAB2	W/PLUMB			L	576	28.00	1998		0		100	16,100
LT12	LIGHTS SOD			L	4	3,700.00	2007		0		90	13,300
WDDK	WOOD DECK			L	559	12.00	2007		0		90	6,000
SGN1	SIGN 1 SIDE			L	16	22.00	2007		0		90	300
SPR2	WET CONCE/			B	56,76	3.50	1981		1		100	129,100

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Living Area	Gross Area	Eff. Area	Unit Cost	Undeprec. Value
BAS	First Floor	43,320	43,320	43,320	153.82	6,663,656
FUS	Upper Story, Finished	18,000	18,000	18,000	153.82	2,768,832
ULP	Loading Platform, Unfinished	0	152	30	30.36	4,615
	Ttl. Gross Liv/Lease Area:	61,320	61,472	61,350		9,437,102

Property Location: 193 LIONS MOUTH RD | MAP ID: 50/ / 6/ / | Bldg Name: CASHMAN SCHOOL | State Use: 9340

Vision ID: 4685 | Bldg #: 1 of 1 | Sec #: 1 of 1 | Card 2 of 2 | Print Date: 08/08/2018 11:17

CURRENT OWNER	TOPO.	UTILITIES	STRT./ROAD	LOCATION
AMESBURY CITY OF				
TOWN HALL				
AMESBURY, MA 01913				
Additional Owners:				

SUPPLEMENTAL DATA

Other ID: 00050 00000 00020

GIS ID: 4685 | ASSOC PID#

CURRENT ASSESSMENT

Description	Code	Appraised Value	Assessed Value
		Total	8,061,100	8,061,100

101
AMESBURY, MA

VISION

RECORD OF OWNERSHIP	BK-VOL/PAGE	SALE DATE	q/u	v/i	SALE PRICE	V.C.

PREVIOUS ASSESSMENTS (HISTORY)

Yr.	Code	Assessed Value	Yr.	Code	Assessed Value	Yr.	Code	Assessed Value
Total:			Total:			Total:		

EXEMPTIONS

Year	Type	Description	Amount
		Total:	

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm. Int.

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD

NBHD/ SUB	NBHD Name	Street Index Name	Tracing	Batch
0001/A				

NOTES

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	6,134,100
Appraised XF (B) Value (Bldg)	233,100
Appraised OB (L) Value (Bldg)	178,200
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Valuation Method:	C
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BUILDING PERMIT RECORD

Permit ID	Issue Date	Type	Description	Amount	Insp. Date	% Comp.	Date Comp.	Comments

VISIT/ CHANGE HISTORY

Date	Type	IS	ID	Cd.	Purpose/Result

LAND LINE VALUATION SECTION

B #	Use Code	Use Description	Zone	D	Front	Depth	Units	Unit Price	I. Factor	S.A.		C. Factor	ST. Idx	Adj.	Notes- Adj	Special Pricing		S Adj Fact	Adj. Unit Price	Land Value

Total Card Land Units: 0 SF | Parcel Total Land Area: 1,538,539 SF | Total Land Value: 0

CONSTRUCTION DETAIL

Element	Cd.	Ch.	Description

CONSTRUCTION DETAIL (CONTINUED)

Element	Cd.	Ch.	Description

MIXED USE

Code	Description	Percentage
9340	Education C	100

COST/MARKET VALUATION

Cost Trend Factor

OB-OUTBUILDING & YARD ITEMS(L) / XF-BUILDING EXTRA FEATURES(B)

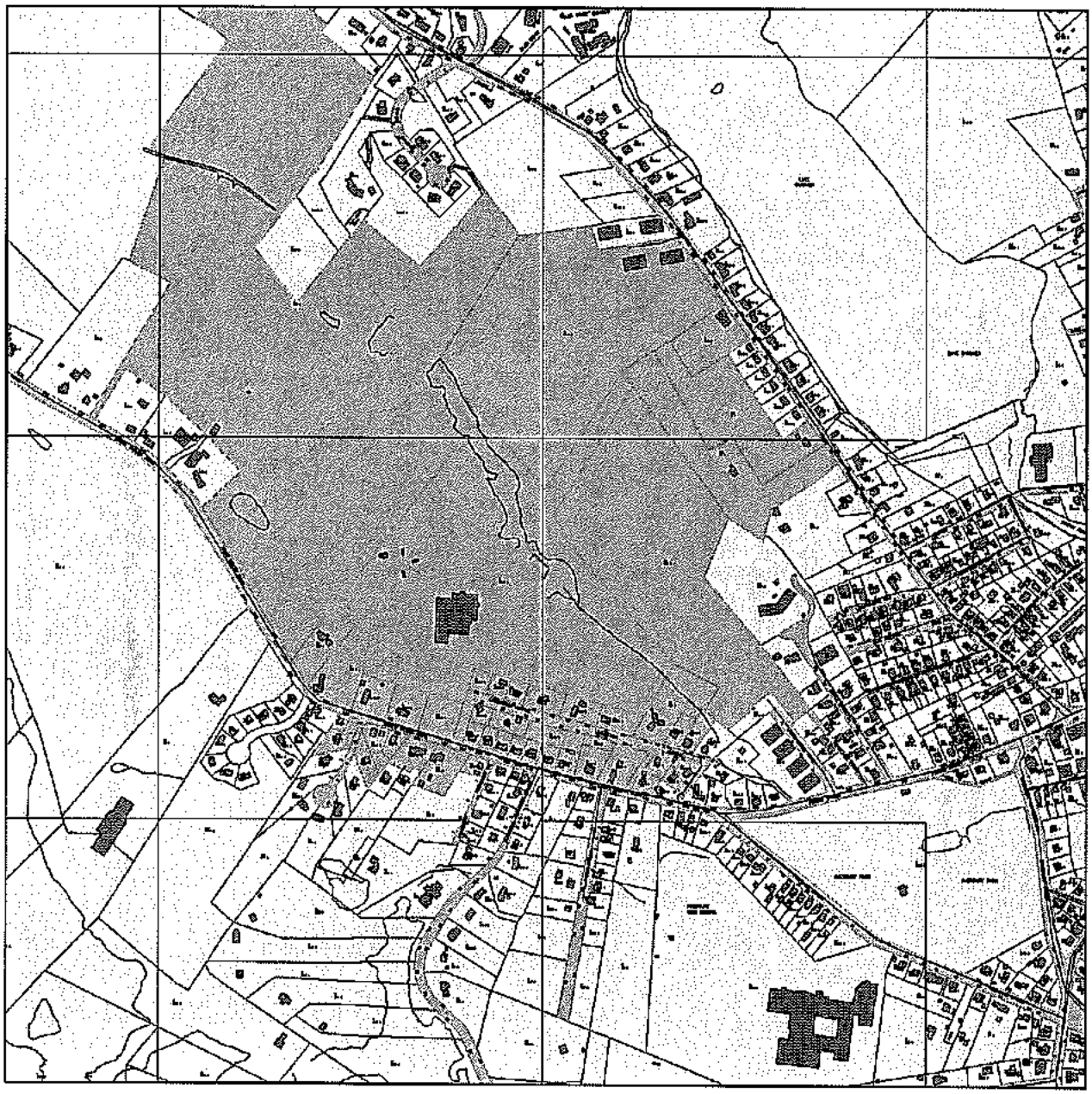
Code	Description	Sub	Sub Descript	L/B	Units	Unit Price	Yr	Gde	Dp Rt	Cnd	%Cnd	Apr Value
ELV2	COMM/AVG			B	4	40,000.00	1981		1		100	104,000

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Living Area	Gross Area	Eff. Area	Unit Cost	Undeprec. Value
	Ttl. Gross Liv/Lease Area:	0	0	0		9,437,102

No Photo On Record

193 LIONS MOUTH RD (50/6) - 300'



GEOGRAPHIC INFORMATION SYSTEM

VISION APPRAISAL TECHNOLOGY



Abutters list for 193 LIONS MOUTH RD (50/6) - 300'
AMESBURY, MA

AV PID	Map	Lot	Unit	Location	Owner's Name	Co_Owner's Name	Address	City	ST Zip	Book/Page
4699	51	36		141 FRIEND ST #R	ESSEX COUNTY GREENBELT ASSOC,		82 EASTERN AVE	ESSEX	MA 01929	355555/ 177
6843	50	24	B	1 JORDAN LN	THE GRADY FAMILY REVOCABLE TRU	JOHN & ALMA GRADY (TRUSTEES)	1 JORDAN LN	AMESBURY	MA 01913	32524/ 618
6845	50	24	C	4 JORDAN LN	OLBROT CHRISTOPHER	SHANNON OLBROT (TE)	4 JORDAN LN	AMESBURY	MA 01913	33188/ 138
5520	51	16		3 LINDBERGH AVE	CIARAMITARO II BENJAMIN D	KELLY K CIARAMITARO	3 LINDBERGH AVE	AMESBURY	MA 01913	35527/ 436
5508	51	17		5 LINDBERGH AVE	ALEXANDER KENNEDY TRSTEE	FLORENCE KENNEDY TRSTEE	5 LINDBERGH AVE	AMESBURY	MA 01913	29487/ 330
5509	51	18		7 LINDBERGH AVE	MARTIN DENNIS W	GAIL A MARTIN J/T	7 LINDBERGH AVENUE	AMESBURY	MA 019131	07515/0370
5499	51	26		12 LINDBERGH AVE	BRADLEY ANNA F LIFE ESTATE	B MCLANE/P THERIAULT/S BRADLEY	12 LINDBERGH AVE	AMESBURY	MA 01913	14454/ 128
104436	51	25	A	14 LINDBERGH AVE	MAZZAGLIA DARREN M	PAULA M HALL	14 LINDBERGH AVE	AMESBURY	MA 01913	30266/ 7
5500	51	25		16 LINDBERGH AVE	BAILEY CRAIG J		16 LINDBERGH AVE	AMESBURY	MA 01913	35981/ 1
5524	51	20		17 LINDBERGH AVE	SANFORD MILDRED K		22 LINDBERGH AVE	AMESBURY	MA 01913	33122/ 593
5507	51	21		21 LINDBERGH AVE	THURLOW RICHARD S		26 LINDBERGH AVE	AMESBURY	MA 01913	07735/0249
5522	51	24		22 LINDBERGH AVE	SANFORD MILDRED K WILKINS		22 LINDBERGH AVE	AMESBURY	MA 01913	13382/ 413
5506	50	13		25 LINDBERGH AVE	CHATEAUNEUF KEITH R		25 LINDBERGH AVE	AMESBURY	MA 01913	33597/ 333
5501	51	22		26 LINDBERGH AVE	THURLOW RICHARD S	MARIANNE THURLOW T/E	26 LINDBERGH AVE	AMESBURY	MA 01913	27245/ 437
5505	50	15		29 LINDBERGH AVE	MOTTRAM ALLEN R	BREANNA R COMEAU	29 LINDBERGH AVE	AMESBURY	MA 01913	34409/ 186
5521	50	19		30 LINDBERGH AVE	FRANCOEUR MICHAEL E	KELLY A FRANCOEUR T/E	30 LINDBERGH AVE	AMESBURY	MA 01913	16126/ 196
5502	50	18		32 LINDBERGH AVE	LANE MICHAEL		156 LIONS MOUTH RD	AMESBURY	MA 01913	27097/ 199
5503	50	17		34 LINDBERGH AVE	GELINEAU PAUL T	ANN M GELINEAU T/E	34 LINDBERGH AVE	AMESBURY	MA 01913	13689/ 408
5511	51	14		173 LIONS MOUTH RD	SPRINGIS RANDOLPH S	KIMBERLY M SPRINGIS T/E	173 LIONS MOUTH RD	AMESBURY	MA 01913	27276/ 439
5512	51	13		175 LIONS MOUTH RD	SIEGFRIED JOHN E	ERIKA SPANGER-SIEGFREID T/E	175 LIONS MOUTH RD	AMESBURY	MA 01913	24340/ 370
5513	51	12		177 LIONS MOUTH RD	LEBLANC NANCY R		177 LIONS MOUTH RD	AMESBURY	MA 01913	04512/0532
5514	51	11		179 LIONS MOUTH RD	LARNARD RAYMOND F	ELIZABETH T LARNARD	179 LIONS MOUTH RD	AMESBURY	MA 01913	22349/ 596
5525	51	10		181 LIONS MOUTH RD	FRASER JAMES R		181 LIONS MOUTH RD	AMESBURY	MA 01913	35300/ 489
5526	50	11		183 LIONS MOUTH RD	DREW SCOTT R	PATRICIA J DREW	183 LIONS MOUTH RD	AMESBURY	MA 019135	06628/0065
3515	50	29		184 LIONS MOUTH RD	MORAN BRIAN W	CHERYL MORAN T/E	184 LIONS MOUTH RD	AMESBURY	MA 01913	19793/ 203
5515	50	10		185 LIONS MOUTH RD	SAWYER JOHN M	DOROTHY E SAWYER TRES	185 LIONS MOUTH RD	AMESBURY	MA 01913	11004/ 467
5527	50	9		187 LIONS MOUTH RD	GAGNE TIMOTHY T		187 LIONS MOUTH RD	AMESBURY	MA 01913	26265/ 217
4690	50	27		188 LIONS MOUTH RD	SAWYER TEPSIE V TR	TEPSIE V SAWYER TRUST	188 LIONS MOUTH RD	AMESBURY	MA 01913	28084/ 293
5528	50	8		189 LIONS MOUTH RD	ROBINSON FAMILY TRUST	SCOTT E ROBINSON (TRUSTEE)	189 LIONS MOUTH RD	AMESBURY	MA 01913	30613/ 242
5529	50	7		191 LIONS MOUTH RD	DODIER GEORGE R JR	MICHELLE PUORRO-DODIER J/T	191 LIONS MOUTH RD	AMESBURY	MA 01913	10259/0157
4689	50	26		192 LIONS MOUTH RD	DINIS ANDREAS K	AIKATERINI A PAPAIOANNOU T/E	192 LIONS MOUTH RD	AMESBURY	MA 01913	32609/ 173
5531	50	42		193 LIONS MOUTH RD	AMESBURY CITY OF	CASHMAN SCHOOL-ELEMENTARY	TOWN HALL	AMESBURY	MA 01913	05843/0244
5504	50	16		193 LIONS MOUTH RD	AMESBURY CITY OF	CASHMAN SCHOOL-ELEMENTARY	TOWN HALL	AMESBURY	MA 01913	05833/0124

Abutters list for 193 LIONS MOUTH RD (50/6) - 300'
AMESBURY, MA

AV PID	Map	Lot	Unit	Location	Owner's Name	Co_Owner's Name	Address	City	ST Zip	Book/Page
4685	50	6		193 LIONS MOUTH RD	AMESBURY CITY OF		TOWN HALL	AMESBURY	MA 01913	05833/0124
5516	50	5		195 LIONS MOUTH RD	KYRIOS THERESA G		195 LIONS MOUTH RD	AMESBURY	MA 01913	33503/ 97
4688	50	25		196 LIONS MOUTH RD	MCPARTLAND KATHERINE A		196 LIONS MOUTH RD	AMESBURY	MA 01913	16564/ 528
5530	50	4		197 LIONS MOUTH RD	EDE MARY J	CHERYL EDE J/T	197 LIONS MOUTH RD	AMESBURY	MA 01913	30158/ 342
4687	50	24		198 LIONS MOUTH RD	HAWES ETHAN J	KIMBERLY G KEEGAN	198 LIONS MOUTH RD	AMESBURY	MA 01913	33812/ 121
4587	50	3		201 LIONS MOUTH RD	MACDOUGALL MARY S	ANNE A ROSENBERGER J/T	201 LIONS MOUTH RD	AMESBURY	MA 01913	23545/ 346
4686	50	23		202 LIONS MOUTH RD	BARTOSIK ROSS AND KIMBERLY HUC	C/O MICHAEL SYLVESTER	202 LIONS MOUTH RD	AMESBURY	MA 01913	27287/ 225
101076	50	3	A	205 LIONS MOUTH RD	APONAS JOHN C	KERRY J APONAS	205 LIONS MOUTH RD	AMESBURY	MA 01913	21986/ 592
4579	37	4		219 LIONS MOUTH RD #RR	AMESBURY CITY OF		TOWN HALL	AMESBURY	MA 01913	9963/0317
4675	51	213		70 WHITEHALL RD	WRIGHT STEPHEN J		70 WHITEHALL RD	AMESBURY	MA 01913	15460/ 338
4678	51	215		80 WHITEHALL RD	HULBERT MICHAEL		80 WHITEHALL RD	AMESBURY	MA 01913	35670/ 436
4683	38	4		94 WHITEHALL RD	BENNETT JOHN E JR		94 WHITEHALL RD	AMESBURY	MA 01913	28174/ 79
4574	38	2		100 WHITEHALL RD #RR	CHARM LESLIE B	C/O CARL YOUNGMAN TRS.	94 CLEMENTS ROAD	NEWTON	MA 02158	06841/0377

Parcel Count: 46

THE BOARD OF ASSESSORS OF THE TOWN OF AMESBURY, MA HEREBY CERTIFIES THAT THIS LIST OF ABUTTERS IS THE MOST RECENT APPLICABLE TAX LIST AS REQUIRED BY CHAPTER 40A, SECTION 11 OF THE MASSACHUSETTS GENERAL LAWS AS AMENDED

Dana Carwell

NOTIFICATION TO ABUTTERS
UNDER THE
MASSACHUSETTS WETLANDS PROTECTION ACT
AND AMESBURY WETLANDS PROTECTION BYLAW

In accordance with the Massachusetts General Laws, Chapter 131, Section 40, and the Amesbury Wetlands Protection Bylaw, you area hereby notified of the following:

The Amesbury Conservation Commission will hold a public hearing on

September 17, 2018 **(date)** **at** 6:30 pm **(time)**, **located at** 62 Friend Street **(hearing location)**,

Amesbury, to consider an Abbreviated Notice of Wetland Resource Delineation **(application)** **submitted by** the City of Amesbury **(applicant)**

Mayor Ken Gray **(applicant)**, **to** Determine the boundaries of the Wetlands **(brief description of the proposed project)**

Resource Areas **at**

The Cashman Elementary School at 193 Lions Mouth Road, Amesbury, MA.

(project location)

Hearings begin at 6:30. For more information concerning the date, time or place of hearing, contact the Conservation Commission at 978-388-8110.

Arrangements to examine copies of the filling may be made by calling the Conservation Commission at 978-388-8110. Copies may be available for a fee.

Further information regarding the hearing, or the Wetlands Protection Act, may be obtained from the Conservation Commission at 978-388-8110.

NOTE: Notice of the public hearing, including its date, time, and place will be posted in Town Hall not less than 48 hours in advance.

NOTE: Notice of the public hearing, including its date, time, and place will be published in the Newburyport Daily News not less than 5 business days prior to the public hearing.

NOTE: You may also contact the Amesbury Conservation Commission or the Department of Environmental Protection (DEP) Wetlands Division- Northeast Regional Office (NERO) for more information about this application or the Wetlands Protection Act. The DEP, Northeast Regional Office can be reached at 617-654-6500.

DGT Associates
Surveying &
Engineering

1071 Worcester Rd.
Framingham, MA 01701
508.879.0030
www.dgtassociates.com

25286

CASHMAN ELEMENTARY SCHOOL

ANRAD FILING

ATTACHMENT 3

WETLAND DELINEATION REPORT

Dated 8/23/18 by DGT Associates

DGT Associates
Surveying & Engineering

1071 Worcester Rd.
Framingham, MA 01701
508.879.0030
www.dgtassociates.com

August 23, 2018 25286

Donna DiNisco
DiNisco Design
99 Chauncy Street, Suite 901
Boston, MA 02111

RE: Cashman School Site, Amesbury – Wetland Resource Area Delineation

Dear Ms. DiNisco,

DGT Associates performed a field delineation of the boundaries of the Bordering Vegetated Wetlands at the subject property on July 19, 2018, and a follow up site visit on August 15, 2018. The delineations were performed by this writer, Fredric King, Senior Wetland Specialist.

The delineations were performed to define Wetlands Resource Area Boundaries under the Mass. Wetlands Protection Act and the Amesbury Wetlands Ordinance for use in a feasibility study for planning of a potential expansion / redevelopment of the existing Amesbury Elementary School. Following the field delineation, the flags were survey located by the project surveyor (Hancock Associates) who then produced the plan showing the delineation in Attachment 4 of the ANRAD filing.

The delineation included the portions of the wetland resource area boundaries that would be necessary to define the regulated areas that would affect a potential project in the front (southwest) portion of the site. This included the southwest side of the vegetated wetlands (BVW) that border on an intermittent stream that flows northwesterly through the site. The opposite side of the wetlands away from any proposed development was not delineated for this study. Since the intermittent stream is located within the BVW, we did not delineate the Bank of that stream as the buffer zones from the BVW will determine the limits of the various Buffers.

There is also an intermittent stream and associated BVWs on the adjacent Woodsom Farm Site. That wetland was delineated as part of a soccer field project that was the subject of a Notice of Intent issued in 2015 under DEP File No. 002-1116. We have reviewed the mapping shown on the plans for that project and we concur with that delineation. For this study, we are utilizing the delineation from that NOI filing and these are shown on the plan in Attachment 4 of the ANRAD filing. Under this ANRAD filing, we are requesting that portion be approved as previously delineated.

GENERAL SITE DESCRIPTION:

The project site is a 36 acre tract of Town owned property at 193 Lions Mouth Road in Amesbury, MA containing the existing Cashman Elementary School building and associated driveways, parking areas, play areas, ball fields and utilities. The Cashman School building, driveways and parking areas are located in the southwest portion of the site. A Little League baseball facility is in the western portion and a soccer field is in the south eastern section. The upland areas have a rolling terrain except where leveled

for the parking areas and athletic fields. The wetland areas are along the entire northeastern portion of the site and on the adjacent Woodsom Farm site along the northwestern property line.

The property is located at the base of Whittier Hill that is northeast of the site and the property. The wetlands and the unnamed intermittent stream at the site are within the watershed of the Powwow River located 0.8 miles downstream from the site.

SOILS

The NRCS Web Soil Survey[1] indicates near-surface soils (within about 70 inches from ground surface) at the site are in an area of glacial till.

The following soil types are mapped by NRCS on the site:

- **Charlton fine sandy loam**: This soil is located over the entire upland developed portion of the site. These are deep, well drained soils in uplands with seasonal high groundwater depths of more than 6 feet. The topsoil and subsoils are typically fine sandy loam and the substratum is a gravelly fine sandy loam. Permeability is moderately rapid to rapid and is classified in Hydrologic Soil Group B.

- **Sutton Series:** Located along the stream in the southeastern portion of the site, these are moderately well drained glacial till soils on uplands consisting of sandy loams to loamy sands with moderate to moderately rapid permeability. Seasonal high groundwater levels are typically in the substratum at a depth of about 42 inches below the surface. These soils close to streams and drainage ways typically have inclusions of wetland soils. These are classified in Hydrologic Soil Group B.

- **Leicester fine sandy loam:** These are deep, poorly drained soils in depressions and along drainage ways. At this site they are located along the stream behind the school and into the Woodsom Farm site to the northwest. These soils have moderately rapid permeability and seasonal high groundwater from 0 to 1.5 feet. They are in Hydrologic Soil Group C and the NRCS classifies these soils as Hydric.

During our wetland delineation work, the soil conditions found generally verified the NRCS mapping. Attachment A of this report contains a GIS Map of the soils at the site.

WETLAND RESOURCE AREAS

STREAM / BANK:

Banks of streams and water bodies are wetland resource areas under the Mass. Wetlands Protection Act and under the Amesbury Wetlands Ordinance. There is a stream located along the entire northeastern side of the site that enters the site near the eastern property corner and flows northwesterly to the abutting Woodsom Farm property.

Since the stream is classified as intermittent (see information below in this section), and is located within a BVW for its entire length, it was not necessary delineate the Banks of the stream for the current feasibility study because the BVW and the associated Buffer Zones will control the planning for the site. As an intermittent stream, there would be no Riverfront Resource Area, so there would be on reason to delineate the mean annual high water level of the stream.

The stream was flowing during an early site visit in March of 2018. During our field delineation work on July 19, 2018, the stream contained standing water in pools that were separated with dry sections. No flow was observed at that time. We also observed the area downstream at a cart road on the Woodsom Farm site located about 600 feet downstream from the Cashman Site and saw no discharge from the wetlands on the upstream side to the stream on the downstream side of the cart road.

Our visit to the site on August 15, 2018 was after a series of heavy rains. At that time the pools of standing water in the stream at the site were larger than observed on July 19, but again, no flow was observed in the stream at the site, and the flow at the cart road crossing downstream was just a trickle.

Stream Status

The stream is shown on the latest U.S.G.S. Topographic Maps as a thin blue line through the site. The maps also show the stream as a heavy blue line starting downstream of the cart road crossing the stream approximately 600 feet downstream from the Cashman Site. To further evaluate whether the stream could be classified as intermittent or perennial under the Mass. Wetlands Protection Act regulations, we evaluated the watershed area and found that the watershed of the stream at the point where it exits the property is only 0.13 square miles in area (See Watershed Map in Attachment B). Under the regulations, the watershed is less than 0.5 square miles and is depicted on the U.S.G.S. Map as a thin blue line. Therefore, the stream is presumed to be intermittent and not classified as a “River” under the Mass. Riverfront Regulations. This is also supported by our field observations described above.

BORDERING VEGETATED WETLANDS

The delineation of Bordering Vegetated Wetlands was performed in accordance with current Mass. Department of Environmental Protection methodology as contained in the DEP Handbook “Delineating Bordering Vegetated Wetlands under the Massachusetts Wetlands Protection Act” dated March 1995.

The BVW at the delineation boundary is classified as a wooded swamp. Within the interior of the wetland there are areas of shrub swamp and shallow marsh.

The delineation was performed using vegetation, soils and other indicators of wetland hydrology. To delineate the boundary, constant field estimations of wetlands vegetation and frequent soil observations with a hand soil auger are performed. To aid in this delineation and to provide the required supporting documentation, observation transects with sample plots were performed and documented. Three transects with two data plots each were performed and the DEP Field Delineation Forms are included in Attachment C of this report. The transect locations are shown on the Survey Plan.

The boundary of the wetland was delineated with blue survey ribbons numbered BVW 1 to BVW 64 and BVW 101 to 122. These were survey located by Hancock Associates and are shown on the Survey Plan

entitled “Charles C. Cashman Elementary School, Compiled Plan of Land in Amesbury, MA” as latest revised 8/22/18 by Hancock Associates.

BORDERING LAND SUBJECT TO FLOODING

The site is shown on the latest FEMA National Flood Insurance Program mapping as being in a Shaded Zone X (Area of minimal flooding). No elevations are associated with this area, so the limits of this area have been scaled onto the plan by the surveyor. Since it is not a Zone A, the area is not generally classified as Land Subject to Flooding under the regulations. The Zone X Shaded is generally within the limits of the BVW as shown on the survey plan.

Please note that the delineations performed are based on best professional judgment and interpretation per the applicable regulatory guidelines. The delineations are not an official “Determination” under the applicable wetlands laws and regulations until accepted by the Conservation Commission or Mass. DEP through the filing of an Abbreviated Notice of Resource Area Delineation or a Notice of Intent under the Mass. Wetlands Protection Act and local wetlands laws and regulations.

If you have any questions regarding the delineation or this report, please contact me.

Sincerely,
DGT Associates

Fredric W. King

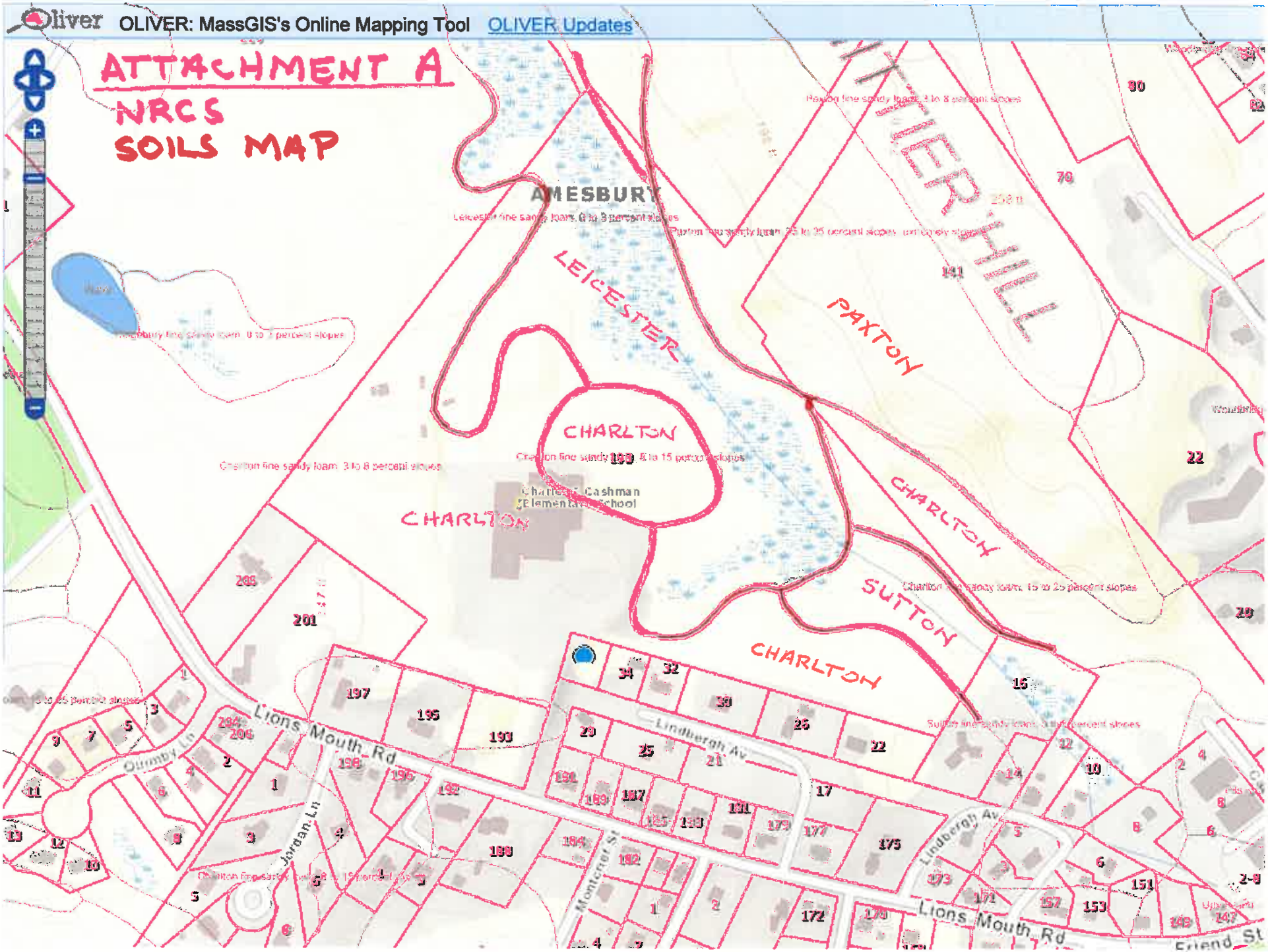
Fredric W. King, PE
Senior Engineer &
Wetland Specialist

Attachments:
A. NRCS Soils Map
B. Watershed Map
C. DEP Field Delineation Forms

ATTACHMENT A

NRCS SOILS MAP

DATA LAYERS FROM MASS GIS

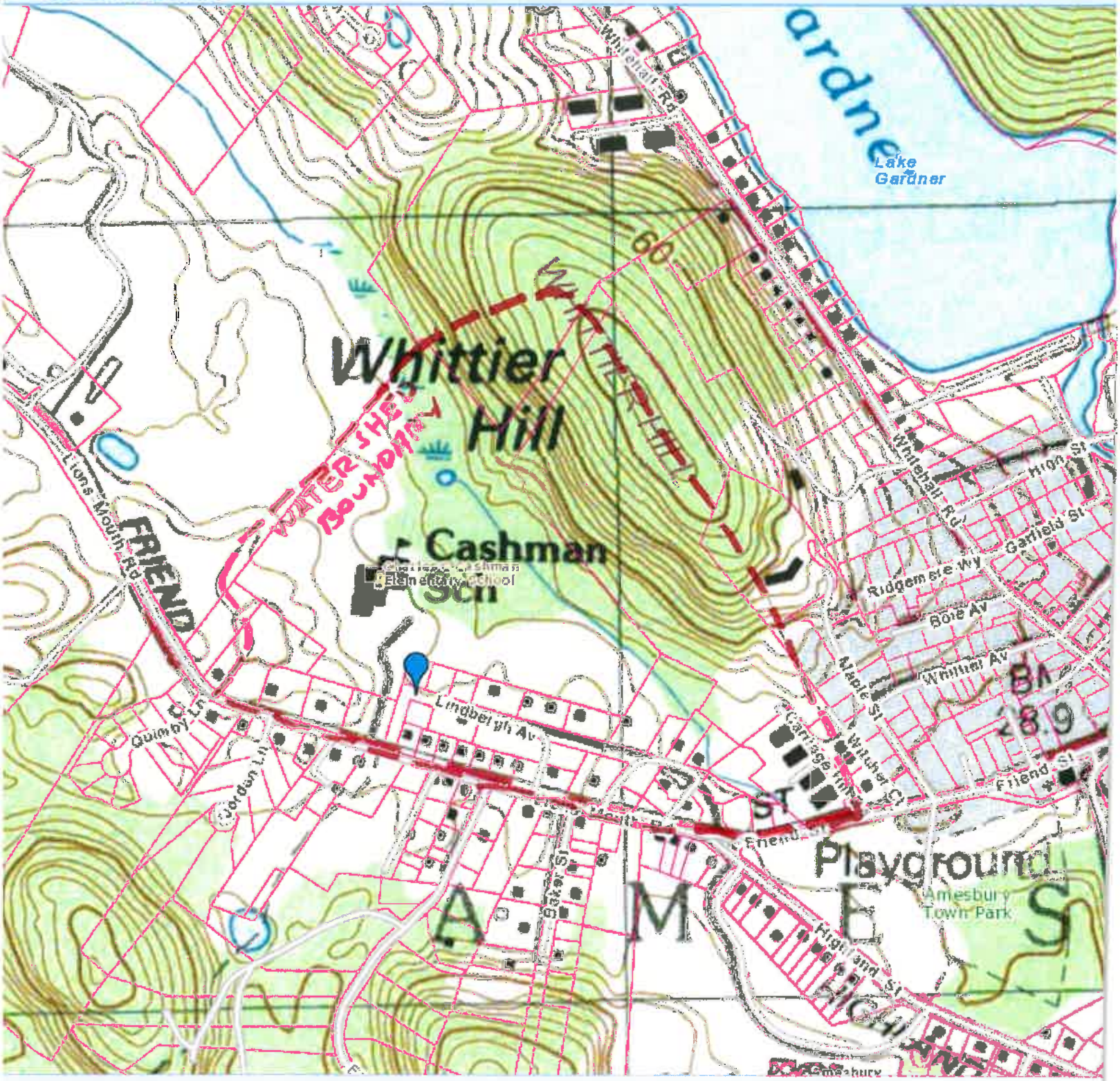

Oliver
OLIVER: MassGIS's Online Mapping Tool
OLIVER Updates
ATTACHMENT A
NRCS
SOILS MAP
AMESBURY
LEICESTER
PAXTON
CHARLTON
CHARLTON
CHARLTON
SUTTON
CHARLTON
Charles F. Cashman Elementary School
Lions Mouth Rd
Lindbergh Av
Montcalm St
Jordan Ln
Olympia Ln
Friend St

ATTACHMENT B

WATERSHED MAP

DATA LAYERS FROM MASS GIS

ool OLIVER Updates



ATTACHMENT B
WATERSHED MAP
CASHMAN SCHOOL SITE

AREA = 83 ACERS
= 0.13 SQ. MI.

ATTACHMENT C

MASS. DEP FIELD DELINEATION FORMS

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 193 Lions Mouth Rd DEP File #:

Check all that apply: (Up-gradient west of BVW 13)

☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P1 Transect Number: T1 Date of Delineation: 7/19/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
White Ash (Fraxinus americana), 16”	207	80.5	YES	FACU
Red Oak (Quercus rubra) 8”	50	19.5	YES	FACU-
Shrub/Sapling/Vine				
Fly Honeysuckle (Lonicera canadensis)	10.5	46.7	YES	FACU
Multiflora Rose (Rosa multiflora)	3.0	13.3	NO	FACU
Blackberry (Rubus allegheniensis)	3.0	13.3	NO	FACU
Japanese Barberry (Berberis thunbergii	3.0	13.3	NO	FACU
Privet (Ligustrum vulgare)	3.0	13.3	NO	FACU
Ground Cover				
Sensitive Fern (Onoclea sensibilis)	20.5	51.2	YES	FACW
Oriental Bittersweet (Celastrus orbiculatus)	10.5	26.2	YES	NI
Jack-in-the-pulpit (Arisaema triphillum)	3.0	7.5	NO	FACW-
Blackberry (Rubus allegheniensis)	3.0	7.5	NO	FACU
Multiflora Rose (Rosa multiflora)	3.0	7.5	NO	FACU

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: 1 **Number of dominant non-wetland indicator plants:** 4

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes **No** X

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

MA DEP; 3/95

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes X No

title/date: NRCS Web Soil Survey N. Essex County
Date 3-11-2015

map number:

soil type mapped: Sutton

hydric soil inclusions: Yes

Are field observations consistent with soil survey? Yes X no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A - FSL	0 - 8"	10 YR 4/3	None
B – FSL	8-20"	10 YR 4/4	None

Remarks: Stony below 20 inches

3. Other:

Conclusion: Is soil hydric? Yes No X

Other Indicators of Hydrology: (check all that apply and describe)

- ☐ Site inundated: _____
- ☐ Depth to free water in observation hole: _____
- ☐ Depth to soil saturation in observation hole: _____
- ☐ Water marks: _____
- ☐ Drift lines: _____
- ☐ Sediment deposits: _____
- ☐ Drainage patterns in BVW: _____
- ☐ Oxidized rhizospheres: _____
- ☐ Water-stained leaves: _____
- ☐ Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	☐	☒ X
Wetland hydrology present: hydric soil present	☐	☒ X
other indicators of hydrology Present	☐	☒ X
Sample location is in a BVW	☐	☒ X

Submit this form with the Request for Determination of Applicability or Notice of Intent.

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 193 Lions Mouth Rd DEP File #:

Check all that apply: (Down-gradient west of BVW 13)

☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P2 Transect Number: T1 Date of Delineation: 7/19/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
White Ash (Fraxinus americana), 14, 12, 6”	298	93.7	YES	FACU
American Elm (Ulmus americana) 6”	29	6.3	NO	FACW-
Shrub/Sapling/Vine				
Fly Honeysuckle (Lonicera canadensis)	38.0	92.7	YES	FACU
Japanese Barberry (Berberis thunbergii)	3.0	7.3	NO	FACU
Ground Cover				
Sensitive Fern (Onoclea sensibilis)	10.5	26.2	YES	FACW
Jewel Weed (Impatiens capensis)	10.5	26.2	YES	FACW
Jack-in-the-pulpit (Arisaema triphillum)	3.0	7.5	NO	FACW-
Fly Honeysuckle (Lonicera canadensis)	3.0	7.5	NO	FACU
Multiflora Rose (Rosa multiflora)	3.0	7.5	NO	FACU

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: 2 **Number of dominant non-wetland indicator plants:** 2

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes X **No**

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

MA DEP; 3/95

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes X No

title/date: NRCS Web Soil Survey N. Essex County
Date 3-11-2015

map number:

soil type mapped: Sutton

hydric soil inclusions: Yes

Are field observations consistent with soil survey? Yes X no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A - FSL	0 - 4”	10 YR 3/2	None
B – F-M S	4-15”	10 YR 5/2	10 YR 5/6 Begin @ 8”

Remarks: Water standing in adjacent stream, no flow

Saturated at bottom of hole.

3. Other:

Conclusion: Is soil hydric? Yes X No

Other Indicators of Hydrology: (check all that apply and describe)

- ☐ Site inundated: _____
- ☐ Depth to free water in observation hole: _____
- ☒ Depth to soil saturation in observation hole: 15”
- ☐ Water marks: _____
- ☐ Drift lines: _____
- ☐ Sediment deposits: _____
- ☐ Drainage patterns in BVW: _____
- ☐ Oxidized rhizospheres: _____
- ☐ Water-stained leaves: _____
- ☐ Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- ☒ Other: Water standing on adjacent stream.

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	X	
Wetland hydrology present: hydric soil present	X	
other indicators of hydrology Present	X	
Sample location is in a BVW	X	

Submit this form with the Request for Determination of Applicability or Notice of Intent.

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 193 Lions Mouth Rd DEP File #:

Check all that apply: (Up-gradient west of BVW 53)

☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P1 Transect Number: T2 Date of Delineation: 7/19/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
White Pine (Pinus strobus), 30”	718	39.3	YES	FACU
Red Oak (Quercus rubra) 10, 34”	992	54.3	YES	FACU-
Red Maple (Acer rubrum) 11”	98	5.4	NO	FAC
Pugnut Hickory (Carya glabra) 5”	20	1.1	NO	FACU+
Shrub/Sapling/Vine				
Buckthorn (Rhamnus frangula)	3.0	50.0	YES	FAC
American Elm (Ulmus americana)	3.0	50.0	YES	FACW-
Ground Cover				
Silver Lady Fern (Athyrium thelypteroides)	85.5	93.4	YES	FAC
Starflower (Trientalis borealis)	3.0	3.3	NO	FAC
Poison Ivy (Toxicondendron radicans)	3.0	3.3	NO	FAC

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: 3 **Number of dominant non-wetland indicator plants:** 2

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes X **No**

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

MA DEP; 3/95

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes X No

title/date: NRCS Web Soil Survey N. Essex County
Date 3-11-2015

map number:

soil type mapped: Leicaster

hydric soil inclusions: Yes

Are field observations consistent with soil survey? Yes X no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A - FSL	0 - 5”	10 YR 3/3	None
B – FSL	5-12”	10 YR 4/3	None
C – FLS	12 – 20:	10 YR 5/2	10 YR 3/6 Begin @ 14”

Remarks:

3. Other:

Conclusion: Is soil hydric? Yes No X

Other Indicators of Hydrology: (check all that apply and describe)

- ☐ Site inundated: _____
- ☐ Depth to free water in observation hole: _____
- ☐ Depth to soil saturation in observation hole: _____
- ☐ Water marks: _____
- ☐ Drift lines: _____
- ☐ Sediment deposits: _____
- ☐ Drainage patterns in BVW: _____
- ☐ Oxidized rhizospheres: _____
- ☐ Water-stained leaves: _____
- ☐ Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	X	
Wetland hydrology present: hydric soil present		X
other indicators of hydrology Present		X
Sample location is in a BVW		X

Submit this form with the Request for Determination of Applicability or Notice of Intent.

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 193 Lions Mouth Rd DEP File #:

Check all that apply: (Down-gradient west of BVW 53)

☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P2 Transect Number: T2 Date of Delineation: 7/19/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
Red Maple (Acer rubrum) 5, 13”	153	49.8	YES	FAC
Black Cherry (Prunus serotina) 14”	154	50.2	YES	FACU
Shrub/Sapling/Vine				
Buckthorn (Rhamnus frangula)	10.5	63.6	YES	FAC
Highbush Blueberry (Vaccinium corymbosum)	3.0	18.2	NO	FACW-
Red Maple (Acer rubrum)	3.0	18.2	NO	FAC
Ground Cover				
Silver Lady Fern (Athyrium thelypteroides)	3.0	10.2	NO	FAC
Virginia Creeper (Parthenocissus quinquefolia)	3.0	10.2	NO	FACU
Jack-in-the-pulpit (Arisaema triphyllum)	3.0	10.2	NO	FACW-
Sensitive Fern (Onoclea sensibilis)	20.5	69.5	YES	FACW

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: 3 **Number of dominant non-wetland indicator plants:** 1

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes X **No**

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

MA DEP; 3/95

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes X No

title/date: NRCS Web Soil Survey N. Essex County
Date 3-11-2015

map number:

soil type mapped: Leicaster

hydric soil inclusions: Yes

Are field observations consistent with soil survey? Yes X no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A - FSL	0 - 5”	10 YR 3/2	None
B – FSL	5-10”	10 YR 4/3	None
C – S F-M	10 – 18”	10 YR 5/1	10 YR 5/6 many Begin @ 10”
			Some black Mottles @ 15”

Remarks:

3. Other: Soil saturated at 18”.

Conclusion: Is soil hydric? Yes X No

Other Indicators of Hydrology: (check all that apply and describe)

- ☐ Site inundated: _____
- ☐ Depth to free water in observation hole: _____
- ☒ Depth to soil saturation in observation hole: 18
- ☐ Water marks: _____
- ☐ Drift lines: _____
- ☐ Sediment deposits: _____
- ☐ Drainage patterns in BVW: _____
- ☐ Oxidized rhizospheres: _____
- ☐ Water-stained leaves: _____
- ☐ Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	X	
Wetland hydrology present: hydric soil present	X	
other indicators of hydrology Present	X	
Sample location is in a BVW	X	

Submit this form with the Request for Determination of Applicability or Notice of Intent.

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 193 Lions Mouth Rd DEP File #:

Check all that apply: (9 ft. up-gradient of BVW 112)

☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P1 Transect Number: T3 Date of Delineation: 7/19/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
Trembling Aspen (Populus tremula) 6,8,6,6,7,8,8”	100	100	YES	FACU
Shrub/Sapling/Vine				
Buckthorn (Rhamnus frangula)	20.5	100	YES	FAC
Ground Cover				
Canada Goldenrod (Solidago canadensis)	85.5	76.0	YES	FACU
Virginia Creeper (Parthenocissus quinquefolia)	3.0	2.7	NO	FACU
Poison Ivy (Toxicondendron radicans)	10.5	9.3	NO	FAC
Sensitive Fern (Onoclea sensibilis)	3.0	2.7	NO	FACW
Oriental Bittersweet (Celastrus orbiculatus)	10.5	9.3	NO	NI

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: 1 **Number of dominant non-wetland indicator plants:** 2

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes **No** X

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

MA DEP; 3/95

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes X No

title/date: NRCS Web Soil Survey N. Essex County
Date 3-11-2015

map number:

soil type mapped: Leicaster

hydric soil inclusions: Yes

Are field observations consistent with soil survey? Yes X no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A - FSL	0 - 8”	10 YR 3/3	None
B – FSL	8 - 16”	10 YR 4/3	None

Remarks:

3. Other: Soil saturated at 18”.

Conclusion: Is soil hydric? Yes No X

Other Indicators of Hydrology: (check all that apply and describe)

- ☐ Site inundated: _____
- ☐ Depth to free water in observation hole: _____
- ☐ Depth to soil saturation in observation hole: _____
- ☐ Water marks: _____
- ☐ Drift lines: _____
- ☐ Sediment deposits: _____
- ☐ Drainage patterns in BVW: _____
- ☐ Oxidized rhizospheres: _____
- ☐ Water-stained leaves: _____
- ☐ Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	☐	☒ X
Wetland hydrology present: hydric soil present	☐	☒ X
other indicators of hydrology Present	☐	☒ X
Sample location is in a BVW	☐	☒ X

Submit this form with the Request for Determination of Applicability or Notice of Intent.

DEP Bordering Vegetated Wetlands (310 CMR 10.55) Delineation Field Data Form

Applicant: Town of Amesbury Prepared by: Fred King Project location: 193 Lions Mouth Rd DEP File #:

Check all that apply: (9 ft. down-gradient of BVW 112)

☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only

☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II

☐ Method other than dominance test used (attach additional information)

Section I. Vegetation Observation Plot Number: P2 Transect Number: T3 Date of Delineation: 7/19/18

A. Sample Layer and Plant Species (by common/scientific name)	B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
Trees				
Trembling Aspen (Populus tremula) 5,7,10,12”	100	100	YES	FACU
Shrub/Sapling/Vine				
Buckthorn (Rhamnus frangula)	10.5	33.3	YES	FAC
Fly Honeysuckle (Lonicera canadensis)	10.5	33.3	YES	FACU
Trembling Aspen (Populus tremula)	10.5	33.3	YES	FACU
Ground Cover				
Poison Ivy (Toxicondendron radicans)	3.0	3.0	NO	FAC
Sensitive Fern (Onoclea sensibilis)	98.0	97.0	YES	FACW

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptations next to the asterisk.

Vegetation conclusion:

Number of dominant wetland indicator plants: 2 **Number of dominant non-wetland indicator plants:** 3

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? Yes **No** X

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

MA DEP; 3/95

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? Yes X No

title/date: NRCS Web Soil Survey N. Essex County
Date 3-11-2015

map number:

soil type mapped: Leicaster

hydric soil inclusions: Yes

Are field observations consistent with soil survey? Yes X no

Remarks:

2. Soil Description

Horizon	Depth	Matrix Color	Mottles Color
A - FSL	0 - 9"	10 YR 2/2	5 YR 5/8 @ 8"
B – FSL Gravelly	9 - 15"	10 YR 4/3	10 YR 5/6 Common @ 9 inches

Remarks:

3. Other: Signs of water flow in area.

Conclusion: Is soil hydric? Yes No

Other Indicators of Hydrology: (check all that apply and describe)

- ☐ Site inundated: _____
- ☐ Depth to free water in observation hole: _____
- ☐ Depth to soil saturation in observation hole: _____
- ☐ Water marks: _____
- ☐ Drift lines: _____
- ☐ Sediment deposits: _____
- ☒ Drainage patterns in BVW: Signs of water flow
- ☐ Oxidized rhizospheres: _____
- ☐ Water-stained leaves: _____
- ☐ Recorded data (stream, lake, or tidal gauge; aerial photo; other): _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ number of non-wetland indicator plants	☐	☒
Wetland hydrology present: hydric soil present	☒	☐
other indicators of hydrology Present	☒	☐
Sample location is in a BVW	☒	☐

Submit this form with the Request for Determination of Applicability or Notice of Intent.

DGT Associates
Surveying &
Engineering

1071 Worcester Rd.
Framingham, MA 01701
508.879.0030
www.dgtassociates.com

25286

CASHMAN ELEMENTARY SCHOOL

ANRAD FILING

ATTACHMENT 4

"CHARLES C. CASHMAN ELEMENTARY SCHOOL COMPILED PLAN OF LAND IN AMESBURY, MA"

Dated revised 8/22/18,
By Hancock Associates.

LEGEND

- SURFACE CONTOUR (102)
- EDGE OF PAVEMENT
- CHAIN LINK FENCE
- EDGE OF WOODED AREA
- EXISTING UTILITY POLE WITH DESIGNATION OVERHEAD WIRES AND GUY POLE (OHW)
- RETAINING WALL
- EDGE OF DIRT / GRAVEL
- LIMIT OF BORDERING VEGETATED WETLAND WITH FLAG NUMBER (WFA2)
- D.E.P. HYDROLOGICAL CONNECTION (FROM MASS GIS)
- LIMIT OF BORDERING VEGETATED WETLAND (FROM PLAN IN NOTE 5)
- 100' WETLAND BUFFER ZONE
- 50' NO-BUILD BUFFER ZONE
- 25' NO-DISTURB BUFFER ZONE
- FEMA FLOOD ZONE X (SEE NOTE 6)
- × 100.7 SPOT ELEVATION
- PROMINENT DECIDUOUS TREE
- PROMINENT CONIFEROUS TREE
- TYPICAL SHRUB
- LIGHT POLE
- WATER HYDRANT
- SIGN
- 2-POST SIGN
- VGC VERTICAL GRANITE CURB
- BB BITUMINOUS BERM
- BIT. CONC. BITUMINOUS CONCRETE
- CLF CHAIN LINK FENCE
- T1-P1 TRANSECT # - PLOT # (SEE NOTE 7)

ASSESSORS: MAP 50, LOT 6
MAP 50, LOT 42
MAP 50, LOT 16

ZONING: OSC – OPEN SPACE CONSERVANCY

REFERENCES: DEED BOOK 5833, PAGE 124
DEED BOOK 5843, PAGE 244
PLAN BOOK 121, PLAN 52
PLAN 454 OF 1965

RECORD OWNER: THE INHABITANTS OF THE TOWN OF AMESBURY

NOTES:

1) THIS PLAN HAS BEEN PREPARED TO ASSIST ARCHITECT IN THE PRELIMINARY PLANNING PHASES OF THE NEW ELEMENTARY SCHOOL PROJECT.
2) THIS PLAN HAS BEEN COMPILED FROM INFORMATION PROVIDED BY THE CITY OF AMESBURY, RECORD PLANS, AND AERIAL PHOTOGRAPHS.
3) ELEVATIONS SHOWN HEREON FROM CITY GIS AND PURPORTS TO REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) PER THE CITY ENGINEER.
4) PROPERTY LINES SHOWN HEREON SHOULD BE CONSIDERED APPROXIMATE.
5) WETLANDS SHOWN HEREON WERE DELINEATED BY DGT ASSOCIATES ON 7/19/18 AND LOCATED BY INSTRUMENT SURVEY ON 7/24/18 AND 7/25/18 BY HANCOCK ASSOCIATES. SAID WETLANDS ARE SUPPLEMENTED BY INFORMATION SCALED FROM PLAN ENTITLED "WOODSOM FARM SOCCER FIELDS" BY OAK CONSULTING GROUP, REVISION DATE 3/5/15 AND FROM MASS GIS OLIVER MAPS WETLAND LAYERS.
6) FEMA FLOOD ZONE X SHOWN HEREON SCALED FROM FLOOD INSURANCE RATE MAP 25009C0101F BEARING AN EFFECTIVE DATE OF 7/3/2012. NO ELEVATION ASSOCIATED WITH SAID FLOOD ZONE.
7) TRANSECT AND PLOT NUMBERS SHOWN HEREON PROVIDED DGT ASSOCIATES.

"WOODSOM FARM"
THE TOWN OF AMESBURY
DEED BOOK 9963, PAGE 317
PLAN BOOK 251, PLAN 84
PLAN BOOK 251, PLAN 38

LESLIE B. CHARM
NINO MICOZZI
DEED BOOK 6841, PAGE 377
PLAN BOOK 119, PLAN 27
PLAN BOOK 119, PLAN 57
PLAN BOOK 124, PLAN 62

ESSEX COUNTY GREENBELT ASSOCIATION, INC.
DEED BOOK 35555, PAGE 177
PLAN BOOK 5, PLAN 27
PLAN BOOK 122, PLAN 62
PLAN BOOK 114, PLAN 8

CHARLES C. CASHMAN ELEMENTARY SCHOOL
EXISTING TWO STORY BRICK BUILDING

JOHN C. APONAS
KERRY J. APONAS
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PLAN BOOK 21521, PLAN 289

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MARY J. EDE
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KELLY A. FRANCOEUR
DEED BOOK 16126, PAGE 196
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RICHARD S. THURLOW
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DEED BOOK 27245, PAGE 437
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PLAN BOOK 5, PLAN 27

GEORGE R. DODIER JR. & MICHELLE PUORRO-DODIER
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LINDBERGH AVENUE (PUBLIC – 55' WIDE)
LINDBERGH AVENUE (NOT CONSTRUCTED)
LION'S MOUTH (PUBLIC – VARIABLE WIDTH) ROAD

TOTAL AREA=
1,564,779± S.F.
(35.9224 ACRES)

SCALE: 1" = 60'
0 60 120 240

CHARLES C. CASHMAN ELEMENTARY SCHOOL

193 Lions Mouth Road,
Amesbury, Massachusetts 01913

PREPARED FOR:

DINISCO DESIGN, INC.

99 Chauncy Street,
Boston, Massachusetts 02111

HANCOCK ASSOCIATES

Civil Engineers

Land Surveyors

Wetland Scientists

185 CENTRE STREET, DANVERS, MA 01923
VOICE (978) 777-3050, FAX (978) 774-7816
WWW.HANCOCKASSOCIATES.COM

COMMONWEALTH OF MASSACHUSETTS
SCOTT R. JALBERT
NO. 46737
REGISTERED PROFESSIONAL ENGINEER

NO.	BY	APP	DATE	ISSUE/REVISION DESCRIPTION
1.	EME	SRJ	8/22/18	ADDITIONS OF TRANSECTS

DATE: 8/8/18 DRAWN BY: EME
SCALE: 1"=60' CHECK BY: MMM

COMPILED PLAN OF LAND IN AMESBURY, MA

PLOT DATE: Aug 22, 2018 10:15 am
PATH: P:\Civil 3D Projects\21288 – DiNisco – Cashman Elementary –

DWG: 21288compiled.dwg
LAYOUT: EC30x42
SHEET: 1 OF 1
PROJECT NO.: 21288

Post wet

Barbara Foley

From: John Lopez
Sent: Thursday, October 04, 2018 11:37 AM
To: Barbara Foley
Subject: FW: Revised Plan

Plese post on web snd send link to concom.

From: Davies, Gillian T. [mailto:gdavies@bscgroup.com]
Sent: Thursday, October 04, 2018 11:36 AM
To: Fred King; John Lopez
Cc: Barbara Foley; Angel Khazadian (a.khazadian@dinisco.com)
Subject: RE: Revised Plan

Hi Fred and John,

I have looked over the revised plan that Fred just sent, and it all looks accurate to me. I can prepare a more formal review letter later, but this way John has my review and confirmation in time for the meeting with the Con Com.

Gillian

From: Fred King <FKing@dgtassociates.com>
Sent: Thursday, October 4, 2018 10:55 AM
To: John Lopez <conservation@amesburyma.gov>
Cc: Davies, Gillian T. <gdavies@bscgroup.com>; Barbara Foley <foleyb@amesburyma.gov>; Angel Khazadian (a.khazadian@dinisco.com) <a.khazadian@dinisco.com>
Subject: RE: Revised Plan

Here is the revised plan showing the adjusted wetlands delineation.

Contact me if you have any questions or comments.

I will bring two hard copies with me tonight for your records and will also have a colored up plan the shows where the adjustments were made in case the Commission has any questions.

Sincerely,
Fred King

Fredric W. King, P.E., LEED® AP
Senior Engineer, Senior Wetland Specialist
DGT Associates (formerly Schofield Brothers)

DGT Associates
Surveying & Engineering

1071 Worcester Road
Framingham, MA 01701

Office: 508-879-0030 x 221

Cell: 774-244-7717
fking@dgtassociates.com

From: John Lopez [mailto:conservation@amesburyma.gov]
Sent: Thursday, October 04, 2018 10:38 AM
To: Fred King <FKing@dgtassociates.com>
Subject: RE: Revised Plan

Thanks.

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Sent: Thursday, October 04, 2018 10:38 AM
To: John Lopez
Subject: RE: Revised Plan

John,
The date for the revision is 10/4/18.
I expect the finished plan before noon today and will E-mail it to you, Gillian and Barbara Foley.
I will also bring with me two hard copies tonight for your records.

Will you need any more than two?

Fred

Fredric W. King, P.E., LEED® AP
Senior Engineer, Senior Wetland Specialist
DGT Associates (formerly Schofield Brothers)

DGT Associates
Surveying & Engineering

1071 Worcester Road
Framingham, MA 01701

Office: 508-879-0030 x 221
Cell: 774-244-7717
fking@dgtassociates.com

From: John Lopez [mailto:conservation@amesburyma.gov]
Sent: Thursday, October 04, 2018 10:16 AM
To: Fred King <FKing@dgtassociates.com>
Subject: Revised Plan

What is the revised date of the 193 Lions Mouth plan?

Notice:
This email is subject to MGL: Chpt.66, Sec.10 Public Records Law.

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This email is subject to MGL: Chpt.66, Sec.10 Public Records Law.

92. ConCom. file

LEGEND

- SURFACE CONTOUR
- EDGE OF PAVEMENT
- CHAIN LINK FENCE
- EDGE OF WOODED AREA
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(PUBLIC – 55' WIDE)

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& MICHELLE PUDRRO–DODIER
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PLAN BOOK 5, PLAN 27
#191

LINDBERGH AVENUE
(NOT CONSTRUCTED)

LION'S MOUTH (PUBLIC – VARIABLE WIDTH) ROAD

CRAIG J. BAILEY
JULIE A. BAILEY
DEED BOOK 28794, PAGE 212
PLAN BOOK 420, PLAN 39

#193
#195
#197

SCALE: 1" = 60'
0 60 120 240

ASSESSORS: MAP 50, LOT 6
MAP 50, LOT 42
MAP 50, LOT 16

ZONING: OSC – OPEN SPACE CONSERVANCY

REFERENCES: DEED BOOK 5833, PAGE 124
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RECORD OWNER: THE INHABITANTS OF THE TOWN OF AMESBURY

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6) FEMA FLOOD ZONE X SHOWN HEREON SCALED FROM FLOOD INSURANCE RATE MAP 25009C0101F BEARING AN EFFECTIVE DATE OF 7/3/2012. NO ELEVATION ASSOCIATED WITH SAID FLOOD ZONE.
7) TRANSECT AND PLOT NUMBERS SHOWN HEREON PROVIDED BY DGT ASSOCIATES.

RECEIVED 10/4/18

CHARLES C. CASHMAN ELEMENTARY SCHOOL
193 Lions Mouth Road,
Amesbury, Massachusetts 01913

PREPARED FOR
DINISCO DESIGN, INC.
99 Chauncy Street,
Boston, Massachusetts 02111

HANCOCK ASSOCIATES
Civil Engineers
Land Surveyors
Wetland Scientists
185 CENTRE STREET, DANVERS, MA 01923
VOICE (978) 777–3050, FAX (978) 774–7816
WWW.HANCOCKASSOCIATES.COM

NO.	BY	APP	DATE	ISSUE/REVISION DESCRIPTION
2.	EME	MGL	10/4/18	UPDATE WETLAG LOCATIONS
1.	EME	SRJ	8/22/18	ADDITION OF TRANSECTS

DATE: 8/8/18 DRAWN BY: EME
SCALE: 1"=60' CHECK BY: MMM

COMPILED PLAN OF LAND IN AMESBURY, MA

PLOT DATE: Oct 04, 2018 10:33 am
Author: P:\Civil 3D Projects\21288 - Dinisco - Cashman Elementary - Amesbury\Dwg\21288compiled.dwg

DWG: 21288compiled.dwg
LAYOUT: EC30x42
SHEET: 1 OF 1
PROJECT NO.: 21288

Barbara Foley

From: John Lopez
Sent: Thursday, October 04, 2018 1:25 PM
To: Barbara Foley
Subject: FW: Revised Plan

Please post on concom web and send to commisoiners for tonight.

From: Davies, Gillian T. [mailto:gdavies@bscgroup.com]
Sent: Thursday, October 04, 2018 1:07 PM
To: Fred King; John Lopez
Cc: Barbara Foley; Angel Khazadian (a.khazadian@dinisco.com)
Subject: RE: Revised Plan

Hi Fred and John,

I have reviewed the stream status information in the ANRAD, viewed the stream onsite, and discussed the stream with Fred while at the site visit. I concur with his assessment that the stream on the Cashman School site is intermittent. It shows as a thin blue line on the USGS topographic map, and the ANRAD includes a USGS topographic map showing that the total watershed area is only 0.13 square miles, which is less than the 0.5 square mile threshold in the Riverfront Area regulations that would confer perennial status.

I will include a full discussion in the peer review letter that I prepare.

Best,
Gillian

From: Fred King <FKing@dgtassociates.com>
Sent: Thursday, October 4, 2018 12:49 PM
To: Davies, Gillian T. <gdavies@bscgroup.com>; John Lopez <conservation@amesburyma.gov>
Cc: Barbara Foley <foleyb@amesburyma.gov>; Angel Khazadian (a.khazadian@dinisco.com) <a.khazadian@dinisco.com>
Subject: RE: Revised Plan

Gillian,
Any chance you could comment on the stream status information?
That is likely to come up.

Thanks
Fred

Fredric W. King, P.E., LEED® AP
Senior Engineer, Senior Wetland Specialist
DGT Associates (formerly Schofield Brothers)

DGT Associates
Surveying & Engineering

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Framingham, MA 01701

Office: 508-879-0030 x 221
Cell: 774-244-7717
fking@dgtassociates.com

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Cc: Barbara Foley <foleyb@amesburyma.gov>; Angel Khazadian (a.khazadian@dinisco.com) <a.khazadian@dinisco.com>
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To: John Lopez <conservation@amesburyma.gov>
Cc: Davies, Gillian T. <gdavies@bscgroup.com>; Barbara Foley <foleyb@amesburyma.gov>; Angel Khazadian (a.khazadian@dinisco.com) <a.khazadian@dinisco.com>
Subject: RE: Revised Plan

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Sincerely,
Fred King

Fredric W. King, P.E., LEED® AP
Senior Engineer, Senior Wetland Specialist
DGT Associates (formerly Schofield Brothers)

DGT Associates
Surveying & Engineering

1071 Worcester Road
Framingham, MA 01701

Office: 508-879-0030 x 221
Cell: 774-244-7717
fking@dgtassociates.com

From: John Lopez [mailto:conservation@amesburyma.gov]
Sent: Thursday, October 04, 2018 10:38 AM

To: Fred King <FKing@dgtassociates.com>
Subject: RE: Revised Plan

Thanks.

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Sent: Thursday, October 04, 2018 10:38 AM
To: John Lopez
Subject: RE: Revised Plan

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Sent: Thursday, October 04, 2018 10:16 AM
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Subject: Revised Plan

What is the revised date of the 193 Lions Mouth plan?

Notice:
This email is subject to MGL: Chpt.66, Sec.10 Public Records Law.

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CONSTRUCTION MANAGEMENT

249 Vanderbilt Avenue
Norwood, MA 02062
T: 781.278.3700
F: 781.278.5701
F: 781.278.5702
www.gza.com

September 4, 2018
File No. 01.0173748.00

Ms. Angel Khazadian
DINISCO DESIGN | architects + planners
99 Chauncy Street, Suite 901
Boston, MA 02111

Re: Preliminary Geotechnical Engineering Report
Proposed Cashman Elementary School
193 Lions Mouth Road
Amesbury, Massachusetts

Dear Ms. Khazadian:

In accordance with our agreement dated May 17, 2018 and Addendum to Contract dated July 19, 2018, GZA GeoEnvironmental, Inc. (GZA) is pleased to submit this preliminary geotechnical engineering report for the above-referenced project. The objectives of our services were to evaluate subsurface conditions and to provide preliminary geotechnical design and construction recommendations for a proposed elementary school adjacent to the existing Cashman Elementary School at 193 Lions Mouth Road in Amesbury, Massachusetts (Site). Please note that this preliminary report is subject to the Limitations attached as **Appendix A**.

Elevations cited in this report were estimated using Google Earth which is based on the World Geodetic System 1984 (WGS84) datum.

BACKGROUND

Our understanding of the project is based on discussions with DINISCO DESIGN | architects + planners (Dinisco) and DGT Associates (site/civil engineer), our work at the Site and electronic conceptual plans prepared by Dinisco titled "18543 Cashman Borings.pdf" and "18543-SPL-18-07-11 Cashman Site Sketch AK (sketch only) RDCD.pdf" provided on July 16, 2018.

The Site is currently occupied by play areas and ball fields with associated structures, including sheds and wooden canopies. The proposed school location is bordered by the Woodsom Farms property and residential property to the west and southwest, the existing Cashman Elementary School to the south, and undeveloped land to the north and northeast. The proposed building area is undulating, ranging between approximately elevations 110 and 120 feet. Existing grades rise to the southwest of the site to elevations of up to about 135 feet. A stream and wetlands are located to the west, north, and northeast of the Site. Refer to **Figure 1** for a Site Locus.

Prior to construction of the original Cashman School, it appears that elevations in the proposed building area were lower, ranging from about elevation 110 to 115 feet, and that fill was placed to construct the existing ball fields. This is based on "The Site Plan, Friend

Street Elementary School, Amesbury Massachusetts," dated 1973, that shows existing and proposed grades for the existing Cashman Elementary school construction, though no elevation datum is given.

Based on schematic plans provided by DiNisco, we understand that proposed development will consist of constructing a new school building with a footprint of approximately 50,000-square-feet to the north of the existing school building. The bus drop-off and parking area for the proposed school building will be to the south of the proposed building and west of the existing school building. The finished floor elevation of the building is not yet known, given the preliminary nature of this report, but is expected to be at or slightly above existing grades. Existing site conditions are shown in **Figure 2**.

SCOPE OF SERVICES

GZA performed the following scope of services:

1. Developed and executed a subsurface exploration program consisting of six soil borings to evaluate soil and groundwater conditions.

2. Performed gradation analyses on two selected samples collected from the borings to confirm field classifications and assist in evaluating potential on-site reuse of soils excavated during construction.

3. Developed preliminary geotechnical design recommendations and prepared this report summarizing our findings.

SUBSURFACE EXPLORATIONS

New England Boring Contractors of Derry, New Hampshire performed six soil borings (GZA-1 through GZA-4, and DGT-1 and DGT-2) on August 8, 2018. The borings were performed to depths ranging from 7.4 to 18.3 feet below ground surface (bgs). Borings were located based on conceptual site layouts provided by DiNisco and to avoid being within the baseball fields. The borings were performed with an ATV-mounted drill rig and advanced using cased, drive-and-wash drilling techniques. Borings GZA-1, GZA-2, GZA-4, and DGT-1 were terminated at depths of 15 feet, 18.3 feet, 8.3 feet, and 7.4 feet, respectively, due to split spoon refusal. The "DGT" borings were requested by DGT Associates to assist in their civil design.

In general, Standard Penetration Tests (SPTs) were performed, and split spoon samples were obtained, continuously in the top 10 feet and then at 5-foot intervals to the bottom of the borehole. The borings were backfilled with drill cuttings to the existing ground surface.

A GZA representative observed the borings, classified the soil samples and prepared the boring logs attached as **Appendix B**. The approximate boring locations are shown on **Figure 2**. The borings were located by tape-measuring from existing site and topographic features. Ground surface elevations at the boring locations were estimated using Google Earth.

LABORATORY TESTING

Two soil samples obtained from the borings were submitted to Thielsch Laboratories in Cranston, Rhode Island for gradation analysis to confirm field classifications and assist in evaluating on-site reuse of soils excavated during construction. Geotechnical laboratory test results are attached as **Appendix C.**

SUBSURFACE CONDITIONS

Below the existing topsoil, subsurface conditions encountered in the borings generally consisted of the following strata: Fill; Sand; Silty Sand, Sand and Gravel; Glacial Till; possible weathered Bedrock. Boring DGT-2 was terminated within the Sand and Gravel stratum; borings DGT-1, GZA-3 and GZA-4 were terminated within the Glacial Till stratum; GZA-1 and GZA-2 were terminated in possible weathered Bedrock. Rock coring was not performed as part of this exploration program.

The strata encountered in the borings are described below in further detail. The depths and thicknesses referenced herein should be considered approximate. Refer to the borings logs attached as **Appendix B** for more detailed subsurface conditions at specific exploration locations.

Fill – Fill was encountered below the 2- to 4-inch-thick topsoil layer in borings GZA-2 and DGT-2. The thickness of the fill was observed to be approximately 3.7 and 7.7 feet in thickness, respectively, and generally consisted of brown, fine to coarse sand, with up to 50 percent gravel, up to 50 percent silt, and up to 10 percent roots, grass and brick. SPT N-Values within the Fill ranged from 11 to 34 blows per foot (bpf), indicating that the Fill was a medium dense to dense consistency.

Sand – Sand was encountered below the Topsoil and/or Fill in all the borings except GZA-2 at depths of 0.3 to 4 feet and had an approximate thickness ranging from 3.2 to 5.7 feet. The Sand generally consisted of brown, fine to coarse sand, with up to 20 percent gravel, up to 20 percent silt. The upper portion of the Sand contained trace amounts of roots. SPT N-Values within the Sand ranged from 10 to 24 bpf, indicating that the Sand was a medium dense consistency.

Sand and Gravel – Sand and Gravel was encountered below the Sand strata at borings DGT-1 and DGT-2 at depths of 3.5 and 8 feet, respectively. The Sand and Gravel was observed to be approximately 2.5 feet in thickness in boring DGT-1 and was not fully penetrated in boring DGT-2 before it was terminated at a depth of 10 feet. The Sand and Gravel generally consisted of brown, fine to coarse sand, with up to 50 percent gravel and up to 20 percent silt. SPT N-Values within the Sand and Gravel ranged from 36 to 61 bpf, indicating that the Sand and Gravel was a dense to very dense consistency.

Silty Sand – Silty Sand was encountered below the Topsoil, Fill, and/or Sand and Gravel in borings GZA-1, GZA-4, and DGT-2 at depths between 0.3 to 4 feet and had an approximate thickness ranging from 1 to 6 feet. The Silty Sand generally consisted of brown fine to coarse sand, with up to 50 percent silt, and up to 20 percent gravel. SPT N-Values within the Silty Sand ranged from 16 to 28 bpf, indicating that the Silty Sand was a medium dense consistency.

Glacial Till – Glacial Till was encountered below the Fill in boring GZA-2, and below the natural Sand, Sand and Gravel, and Silty Sand in borings GZA-1, GZA-4, and DGT-1. Depths to the top of Glacial Till ranged from 4 to 10 feet and the Glacial Till thickness (where penetrated) ranged from 3.5 to 9 feet. The Glacial Till was not fully penetrated in borings GZA-4 and DGT-1 before the borings were terminated at depths of 8.3 and 7.4 feet, respectively. Practical split spoon refusal was encountered at the bottom of borings GZA-4 and DGT-2. The Glacial Till generally consisted of light brown to brown, fine to coarse sand, with up to 50 percent gravel, and up to 50 percent silt. SPT N-Values within the Glacial Till ranged from 24 bpf to split spoon refusal, indicating that the Glacial Till was a medium dense to very dense consistency.

Bedrock – Severely to completely weathered bedrock was encountered in borings GZA-1 and GZA-2. These borings were terminated due to split spoon refusal in the very dense weathered bedrock at depths of approximately 13.5 feet and 17 feet, respectively. The severely to completely weathered bedrock generally consisted of dark brown/gray, fine to coarse sand and gravel with up to 10 percent silt.

GROUNDWATER

Groundwater was observed in borings GZA-1 and GZA-2 at depths of about 4.1 to 5.2 feet, corresponding to elevations 113.9 and 112.8 feet, respectively. Groundwater was not encountered in borings GZA-3, GZA-4 and DGT-2, and was not recorded upon completion in boring DGT-1. Existing site grades indicate that the ground surface slopes downward towards the north side of the Site near the wetland area; indicating that the groundwater may be shallower in the northern end of the Site.

It should be noted that fluctuations in groundwater levels may occur due to variations in season, rainfall, site features and other factors different from those existing at the time of the explorations and measurements. During times of the year, we would expect the groundwater level to be higher than measured during the exploration program.

PRELIMINARY CONCLUSIONS AND RECOMMENDATIONS

The preliminary geotechnical design and construction recommendations presented below are based on our evaluation of the available data and design concepts provided to GZA and are subject to the limitations contained in **Appendix A**. References to the IBC refer to the International Building Code 2015 with Massachusetts State Building Code 9th Edition (MSBC) amendments.

FOUNDATION TYPE

We recommend a shallow foundation system consisting of spread and/or continuous footings bearing on undisturbed natural granular soils (Sand, Sand and Gravel, and/or Glacial Till) or on compacted Structural Fill placed over the natural granular soil, after removal of the existing topsoil and fill. Structural Fill consists of off-site Granular Fill or Sand-Gravel Fill or on-site Sand and Gravel provided it does not contain debris and boulders and organics, and can be compacted as required herein. Recommended gradation requirements for Granular and Sand-Gravel Fill are presented in **Table 1**.

The recommended maximum net allowable bearing pressure for footings supported on the undisturbed natural soils or on Structural Fill placed over the undisturbed natural soils at this Site is 3 tons per square foot (tsf).

For foundations that are smaller than 3 feet wide, reduce the bearing value to one third of the above value multiplied by the least lateral footing dimension in feet. Continuous wall footings should be at least 18 inches wide and isolated footings at least 24 inches wide.

For frost protection, exterior footings and interior footings in unheated areas should bear at least 4 feet below final exterior grades. Interior footings in heated areas should bear at least 1.5 feet below top of slab.

BUILDING SLAB

Slab-on-grade construction is recommended for proposed floor slabs. Provide a base course consisting of at least 6-inches of compacted Sand-Gravel Fill below the building slab. After removing topsoil, the existing fill may be left in place beneath proposed slab areas, provided that the subgrade is stable during proof compaction.

Provided that the building is at or above existing grades, subslab drainage is not anticipated to be required. However, it may be prudent for the building to have a perimeter drain, depending on final grades.

SEISMIC DESIGN

Soils encountered in the building area are not considered susceptible to liquefaction based on criteria set forth in Section 1806.4 of the MSBC. In accordance with Section 1613.5.2 of the IBC, we recommend that Site Class C be used for seismic design assuming that building foundations are designed and constructed as recommended herein. In accordance with Table 1604.11 of the MSBC, the recommended values of S_S and S_1 for the Site are 0.267 and 0.078, respectively.

CONSTRUCTION CONSIDERATIONS

Footing Subgrade Preparation

We anticipate that the soil encountered at footing subgrade level will consist of fill in some areas and natural granular soil in other areas. The topsoil and fill should be removed from below the bearing zone of proposed building footings to undisturbed granular soil or bedrock. The bearing zone is defined as the zone extending at a 1H:1V sloping down and outward from 1 foot horizontally from the bottom exterior edge of the footing. After excavation to natural soils (Sand and Silty Sand) and assuming all work is performed "in the dry", as recommended herein, natural granular soil should then be proof-compacted with a minimum of six passes of a walk-behind vibratory drum roller or walk-behind heavy vibratory plate compactor (with a static weight of at least 500 pounds) in confined areas. Weak or soft spots identified during proof-compaction should be excavated and replaced with compacted Structural Fill. In areas where existing fill is removed below final subgrade elevation, the excavation should be backfilled to footing subgrade with compacted Structural Fill.

Final excavations to footing subgrade should not be made until the areas are ready for fill or concrete placement. Excavation to final subgrade elevation should be performed using a smooth-edged bucket, if practical, to limit disturbance to the subgrade. Loose or disturbed material should be removed by hand.

Slab Subgrade Preparation

Existing soils may be left in place below slab base course elevation after removal of the topsoil and subsoil (if any), provided the subgrade is stable when proof-compacted with at least six passes of a large vibratory drum roller (minimum 10,000 pound static weight with 20,000 dynamic force). Excavate any weak or soft spots identified during proof-compaction and replace with compacted Sand-Gravel Fill. Recommended gradation requirements are presented in **Table 1**.

Construction Dewatering

Based on the observed groundwater levels in the borings, construction dewatering may be required to construct footings and utilities "in the dry." We anticipate that dewatering may be accomplished using localized sumps and pumps, and discharged on-site into excavated pits located outside of the building area. If discharged to an off-site drainage system, pumped groundwater will need to be treated to remove total suspended solids (at a minimum). All construction dewatering should be conducted in accordance with local, state and federal regulations.

Reuse of Existing Soils

It may be difficult to reuse some of the on-site soils backfilling foundations due to the high silt content. Based on visual and laboratory classifications, of the majority of the existing on-site soil will not meet gradation and material requirements for Granular Fill or Sand-Gravel Fill. However, we anticipate that some of the on-site soils will be able to be reused as Structural Fill below building and pavement base courses provided that the water content is controlled and the material is not placed during wet and/or cold conditions. Handling, placement, and compaction of soil with a high silt content

would likely be difficult, especially during cold temperatures or when wet. To re-use some silty excavated soils on-site, it may be necessary to sandwich layers of the on-site soil between layers of off-site Sand-Gravel. Fill for use as building slab and pavement base course will need to be imported to the Site.

Excavated soil from the Site may need to be exported depending on final site grades. Excavated soil should be disposed of in accordance with applicable local, state and federal regulations. Off-site disposal of soil may require chemical precharacterization testing to assess disposal options depending on the receiving facility.

Potential for Bedrock

Based on the borings, we do not anticipate encountering bedrock for foundation construction, assuming footings are constructed within 4 feet of existing grades. However, weathered bedrock was encountered in two of the six borings and may be encountered in excavating for deeper utilities. In addition, bedrock outcrops were observed in the northern portion of the adjacent Woodsom Farms property.

FINAL DESIGN AND CONSTRUCTION

We trust the information presented herein is sufficient for your use in the preliminary design of the proposed school. It is recommended that GZA be retained for the following additional services during final design and construction of the building:

- Perform additional explorations, and prepare a final geotechnical report after proposed building location and site grading are confirmed.
- Perform environmental characterization testing to evaluate potential disposal locations for excess excavated soils that cannot be reused at the Site.
- Review near-final design foundation and grading plans for conformance with our recommendations and understanding of the project.
- Prepare geotechnical-related specifications.
- Review Contractor's geotechnical-related submittals for general conformance with our recommendations and the project foundation plans and geotechnical specifications.
- Observe and document earthwork and footing subgrade preparation for general conformance with our report recommendations and the project foundation plans and geotechnical specifications. The MSBC requires that a Professional Engineer (P.E.) registered in Massachusetts (or the P.E.'s representative) observe foundation installation and fill placement in building areas.

We thank you for the opportunity to work on this project and would look forward to our continued involvement. Please do not hesitate to contact the undersigned if you have any questions.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

Heather Audet, P.E.
Senior Project Manager

Bruce W. Fairless, P.E.
Consultant/Reviewer

Mary B. Hall, P.E.
Senior Principal

Attachments: Table
Figures
Appendix A – Limitations
Appendix B – Boring Logs
Appendix C – Geotechnical Laboratory Test Results

\\GZANOR\Jobs\170,000-179,999\173748\173748-00.HLA\REPORT\Cashman\173748 Cashman-Prelim Geotech Report FINAL 9-4-18.docx

TABLE

Proposed Cashman Elementary School
Amesbury, MA

TABLE 1
RECOMMENDED USE AND GRADATION CRITERIA FOR FILL MATERIALS

Granular Fill: Within building area below slab-on-grade base course.
Within 2 feet of pavement basecourse.

Sand-Gravel: For use as slab-on-grade and pavement base course and as backfill within three feet laterally of below grade walls.

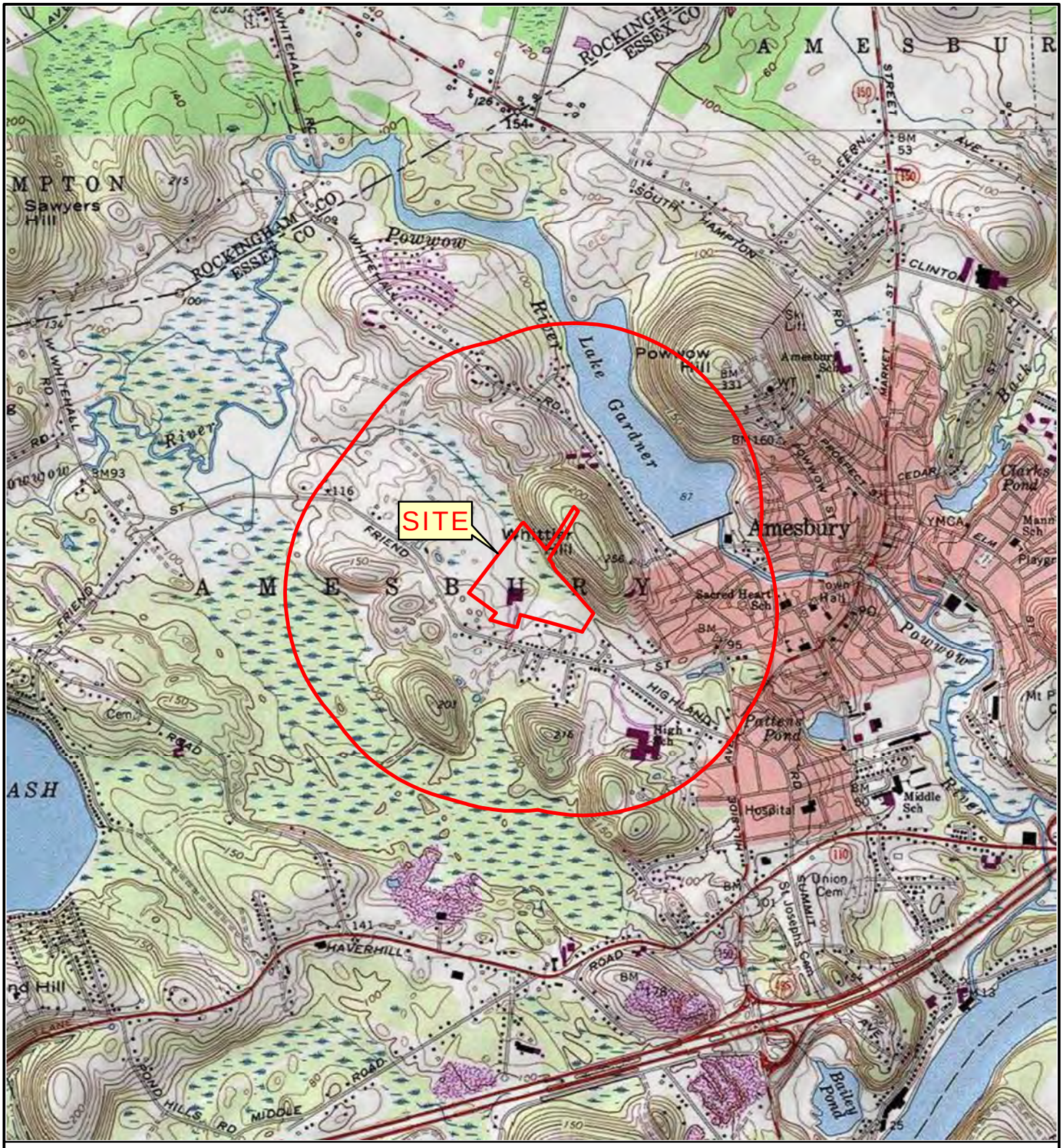
Crushed Stone: For use in bottom of excavations to aid in construction dewatering and maintaining subgrade stability during wet conditions, backfill behind walls, and in confined areas.

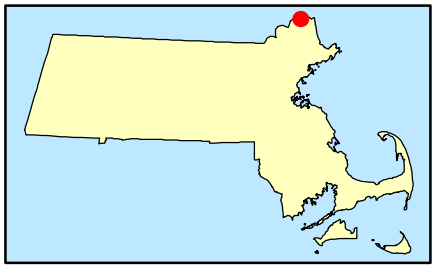
Ordinary Fill: General landscape areas, or more than 2 feet below pavement.

GRADATION REQUIREMENTS

Sieve Size	Percent Finer by Weight
Granular Fill shall be free from ice and snow, roots, sod, rubbish and other deleterious or organic matter. Granular Fill shall conform to the following gradation requirements:	
⅔ of the loose lift thickness	100
No. 10	30 - 95
No. 40	10 - 70
No. 200	*0 - 15 * 0 -8 for backfill behind walls
Sand-Gravel shall consist of durable sand and gravel and shall be free from ice and snow, roots, sod, rubbish and other deleterious or organic matter. Sand-Gravel shall conform to the following gradation requirements:	
3 inch	100
½ inch	50 - 85
No. 4	40 - 75
No. 40	10 - 35
No. 200	0 - 8
Crushed Stone shall consist of durable crushed rock or durable crushed gravel stone and shall be free from ice and snow, clay, loam and other deleterious material. Crushed Stone shall conform to the following gradation requirements:	
1 inch	100
3/4 inch	90 - 100
1/2 inch	10 - 50
3/8 inch	0 - 20
No. 4	0 - 5
Ordinary Fill shall be free from trash, ice, snow, tree stumps, roots, organic materials, and other deleterious matter. Ordinary Fill shall contain no stone greater than two-thirds (⅔) the loose lift thickness with a maximum stone size of six (6) inches in diameter and contain no more than 30% passing the No. 200 sieve. It shall have physical properties such that it can be readily spread and compacted during filling.	

FIGURES





SOURCE : USGS TOPOGRAPHIC QUADRANGLES SCANNED BY THE NATIONAL GEOGRAPHIC SOCIETY & I-CUBED, COPYRIGHT 2011

Data Supplied by : esri

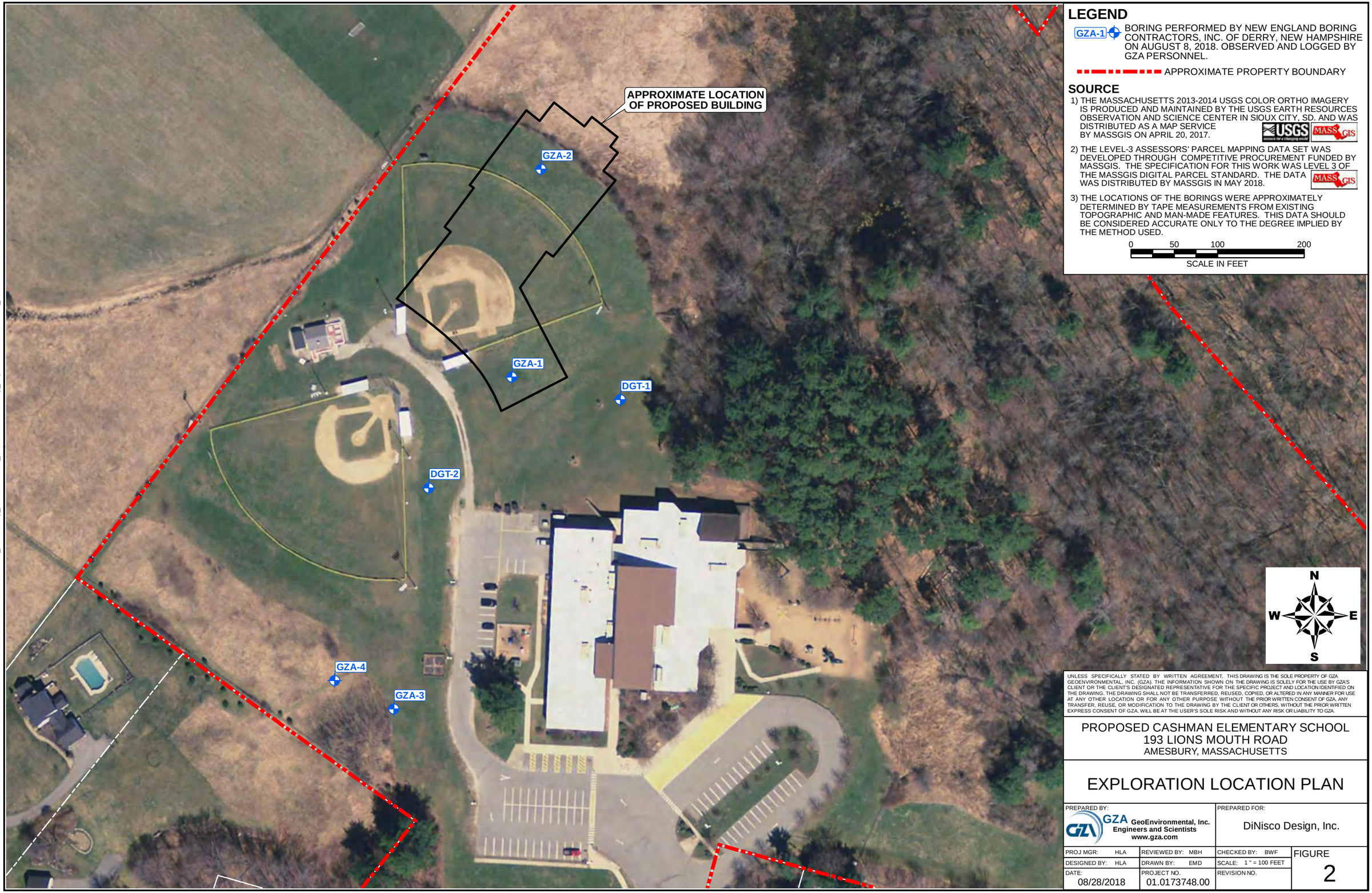
0 1,000 2,000 4,000 6,000

SCALE IN FEET

N W E S

GZA	PROJ. MGR.: HLA DESIGNED BY: HLA REVIEWED BY: MBH OPERATOR: 781 DATE: 08-27-2018	LOCUS PLAN SHOWING HALF MILE OFFSET	JOB NO. 01.0173748.00
		PROPOSED CASHMAN ELEMENTARY SCHOOL 193 LIONS MOUTH ROAD AMESBURY, MASSACHUSETTS	FIGURE NO. 1

© 2018 - GZA GeoEnvironmental, Inc., J:\170,000-179,999\173748\173748-00.HLA\FIGURES\Cashman_Elementary_School\173748_CashmanElementary_LocusPlan_FIG1.mxd, 8/27/2018, 3:26:20 PM, elaine.donohue



LEGEND

GZA-1 BORING PERFORMED BY NEW ENGLAND BORING CONTRACTORS, INC. OF DERRY, NEW HAMPSHIRE ON AUGUST 8, 2018. OBSERVED AND LOGGED BY GZA PERSONNEL.

APPROXIMATE PROPERTY BOUNDARY

SOURCE

1) THE MASSACHUSETTS 2013-2014 USGS COLOR ORTHO IMAGERY IS PRODUCED AND MAINTAINED BY THE USGS EARTH RESOURCES OBSERVATION AND SCIENCE CENTER IN SIOUX CITY, SD. AND WAS DISTRIBUTED AS A MAP SERVICE BY MASSGIS ON APRIL 20, 2017.

2) THE LEVEL-3 ASSESSORS' PARCEL MAPPING DATA SET WAS DEVELOPED THROUGH COMPETITIVE PROCUREMENT FUNDED BY MASSGIS. THE SPECIFICATION FOR THIS WORK WAS LEVEL 3 OF THE MASSGIS DIGITAL PARCEL STANDARD. THE DATA WAS DISTRIBUTED BY MASSGIS IN MAY 2018.

3) THE LOCATIONS OF THE BORINGS WERE APPROXIMATELY DETERMINED BY TAPE MEASUREMENTS FROM EXISTING TOPOGRAPHIC AND MAN-MADE FEATURES. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

0 50 100 200

SCALE IN FEET

N W E S

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PROPOSED CASHMAN ELEMENTARY SCHOOL
193 LIONS MOUTH ROAD
AMESBURY, MASSACHUSETTS

EXPLORATION LOCATION PLAN

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: DiNisco Design, Inc.	
PROJ MGR: HLA	REVIEWED BY: MBH	CHECKED BY: BWF	FIGURE 2
DESIGNED BY: HLA	DRAWN BY: EMD	SCALE: 1 " = 100 FEET	
DATE: 08/28/2018	PROJECT NO. 01.0173748.00	REVISION NO.	

© 2018 - GZA GeoEnvironmental, Inc. J:\170,000-179,999\173748\173748-00.HLA\FIGURES\Cashman_Elementary_School\173748_CashmanElementary_ExplorationLocationPlan_FIG2.mxd, 8/28/2018, 3:37:57 PM, elaine.donohue

APPENDIX A - LIMITATIONS

USE OF REPORT

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of our Client for the stated purpose(s) and location(s) identified in the Proposal for Services and/or Report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the contract documents, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

STANDARD OF CARE

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in Proposal for Services and/or Report, and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. If conditions other than those described in this report are found at the subject location(s), or the design has been altered in any way, GZA shall be so notified and afforded the opportunity to revise the report,as appropriate, to reflect the unanticipated changed conditions .

3. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made.

4. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

SUBSURFACE CONDITIONS

5. The generalized soil profile(s) provided in our Report are based on widely-spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs. The nature and extent of variations between these explorations may not become evident until further exploration or construction. If variations or other latent conditions then become evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

6. In preparing this report, GZA relied on certain information provided by the Client, state and local officials, and other parties referenced therein which were made available to GZA at the time of our evaluation. GZA did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this evaluation.

7. Water level readings have been made in test holes (as described in this Report) at the specified times and under the stated conditions. These data have been reviewed and interpretations have been made in this Report. Fluctuations in the level of the groundwater however occur due to temporal or spatial variations in areal recharge rates, soil heterogeneities, the presence of subsurface utilities, and/or natural or artificially induced perturbations. The water table encountered in the course of the work may differ from that indicated in the Report.

8. Recommendations for foundation drainage, waterproofing, and moisture control address the conventional geotechnical engineering aspects of seepage control. These recommendations may not preclude an environment that allows the infestation of mold or other biological pollutants.

COMPLIANCE WITH CODES AND REGULATIONS

9. We used reasonable care in identifying and interpreting applicable codes and regulations. These codes and regulations are subject to various, and possibly contradictory, interpretations. Compliance with codes and regulations by other parties is beyond our control.

ADDITIONAL SERVICES

10. GZA recommends that we be retained to provide services during any future: site observations, design, implementation activities, construction and/or property development/redevelopment. This will allow us the opportunity to: i) observe conditions and compliance with our design concepts and opinions; ii) allow for changes in the event that conditions are other than anticipated; iii) provide modifications to our design; and iv) assess the consequences of changes in technologies and/or regulations.

APPENDIX B - BORING LOGS

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Proposed Amesbury Elementary School
Cashman Elementary School
193 Lions Mouth Road
Amesbury, Massachusetts

BORING NO.: DGT-1
SHEET: 1 of 1
PROJECT NO: 01.0173748.00
REVIEWED BY: HLA

Drilling Co.: New England Boring Contractors	**Type of Rig:** Tracked ATV	**Boring Location:** See Plan	**H. Datum:** See Plan
Foreman: Matt Soucy	**Rig Model:** Mobile B-53	**Ground Surface Elev. (ft.):** 111	
Logged By: Alex Karp	**Drilling Method:** Drive & Wash	**Final Boring Depth (ft.):** 7.4	**V. Datum:** WGS84
		Date Start - Finish: 8/8/2018 - 8/8/2018	

Auger/Casing Type: HW	**Sampler Type:** Split Spoon		
I.D/O.D.(in): 4/4.5	**I.D./O.D. (in.):** 1.375/2		
Hammer Weight (lb.): 300	**Sampler Hmr Wt (lb):** 140		
Hammer Fall (in.): 30	**Sampler Hmr Fall (in):** 30		
Other: Safety Hammer	**Other:** Auto Hammer		

Groundwater Depth (ft.)

Date	Time	Water Depth	Casing	Stab. Time
08/08/2018		Not Recorded		

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Sample Pen. (in)	Sample Rec. (in)	Sample Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		S-1	0-2	24	10	2 7 10 12	17	S-1A: Top 2": Dry, brown,GRASS and TOPSOIL, trace Roots. S-1B: Bottom 8": Dry, brown, fine to coarse SAND, little Silt, trace Gravel, trace Roots.	1		0.3'	TOPSOIL	110.7'
		S-2	2-4	24	21	10 10 14 27	24	S-2A: Top 12": Dry, brown, fine to coarse SAND, little Gravel, little Silt. S-2B: Bottom 9": Dry, brown, fine to coarse SAND and GRAVEL, trace Silt.			3.5'	SAND	107.5'
5		S-3	4-6	24	21	24 36 25 24	61	S-3: Dry, very dense, brown, fine to coarse SAND and GRAVEL, little Silt.			6'	SAND & GRAVEL	105.0'
		S-4	6-7.4	16	8	13 21 75/4"	R	S-4: Wet, very dense, brown, fine to coarse SAND and GRAVEL, some Silt.	2		7.4'	TILL	103.6'
								Bottom of boring at 7.4 feet.					
10													
15													
20													
25													

REMARKS

1. Ground surface elevations estimated from Google Earth.
2. Encountered split spoon refusal approximately 7.4-feet below ground surface, therefore the boring was terminated at approximately 7.4-feet below ground surface. Upon completion borehole was backfilled up to existing grade with drill cuttings and sand.

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Boring No.: DGT-1

01.0173748.00 CASHMAN ELEMENTARY SCHOOL.GPJ; STRATUM ONLY; 9/4/2018

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Proposed Amesbury Elementary School
Cashman Elementary School
193 Lions Mouth Road
Amesbury, Massachusetts

BORING NO.: DGT-2
SHEET: 1 of 1
PROJECT NO: 01.0173748.00
REVIEWED BY: HLA

Drilling Co.: New England Boring Contractors	**Type of Rig:** Tracked ATV	**Boring Location:** See Plan	**H. Datum:** See Plan
Foreman: Matt Soucy	**Rig Model:** Mobile B-53	**Ground Surface Elev. (ft.):** 127	
Logged By: Alex Karp	**Drilling Method:** Drive & Wash	**Final Boring Depth (ft.):** 10	**V. Datum:** WGS84
		Date Start - Finish: 8/8/2018 - 8/8/2018	

Auger/Casing Type: HW	**Sampler Type:** Split Spoon		
I.D/O.D.(in): 4/4.5	**I.D./O.D. (in.):** 1.375/2		
Hammer Weight (lb.): 300	**Sampler Hmr Wt (lb):** 140		
Hammer Fall (in.): 30	**Sampler Hmr Fall (in):** 30		
Other: Safety Hammer	**Other:** Auto Hammer		

Groundwater Depth (ft.)

Date	Time	Water Depth	Casing	Stab. Time
08/08/2018		Not Encountered		

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Sample Pen. (in)	Sample Rec. (in)	Sample Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		S-1	0-2	24	6	3 9 9 13	18	S-1: Dry, medium dense, brown, fine to coarse SAND and SILT, little (-) Gravel, trace Roots/Grass.	1		0.3'	TOPSOIL	126.7'
		S-2	2-4	24	18	9 8 17 16	25	S-2: Dry, medium dense, brown, fine to coarse SAND, some Gravel, little Silt, trace (-) Roots.				FILL	
		S-3	4-6	24	19	15 16 12 11	28	S-3: Dry, medium dense, brown, fine to coarse SAND, some Silt, little Gravel.			4'		123.0'
5		S-4	6-8	24	13	13 12 11 11	23	S-4: Moist, medium dense, brown, fine to coarse SAND and SILT, little (-) Gravel.				SILTY SAND	
		S-5	8-10	24	22	10 16 20 21	36	S-5: Dry, dense, brown, fine to coarse SAND and GRAVEL, little Silt.			8'		119.0'
10												SAND & GRAVEL	
									2		10'		117.0'
								Bottom of boring at 10 feet.					
15													
20													
25													

REMARKS

1. Ground surface elevations estimated from Google Earth.
2. Terminated boring at approximately 10-feet below ground surface. Upon completion borehole was backfilled up to existing grade with drill cuttings and sand.

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Boring No.: DGT-2

01.0173748.00 CASHMAN ELEMENTARY SCHOOL.GPJ; STRATUM ONLY; 9/4/2018

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Proposed Amesbury Elementary School
Cashman Elementary School
193 Lions Mouth Road
Amesbury, Massachusetts

BORING NO.: GZA-1
SHEET: 1 of 1
PROJECT NO: 01.0173748.00
REVIEWED BY: HLA

Drilling Co.: New England Boring Contractors	**Type of Rig:** Tracked ATV	**Boring Location:** See Plan	**H. Datum:** See Plan
Foreman: Matt Soucy	**Rig Model:** Mobile B-53	**Ground Surface Elev. (ft.):** 118	
Logged By: Alex Karp	**Drilling Method:** Drive & Wash	**Final Boring Depth (ft.):** 15	**V. Datum:** WGS84
		Date Start - Finish: 8/8/2018 - 8/8/2018	

Auger/Casing Type: HW	**Sampler Type:** Split Spoon		
I.D/O.D.(in): 4/4.5	**I.D./O.D. (in.):** 1.375/2		
Hammer Weight (lb.): 300	**Sampler Hmr Wt (lb):** 140		
Hammer Fall (in.): 30	**Sampler Hmr Fall (in):** 30		
Other: Safety Hammer	**Other:** Auto Hammer		

Groundwater Depth (ft.)

Date	Time	Water Depth	Casing	Stab. Time
08/08/2018	0845	4.1 ft.	*casing extracted	0.25 hr.

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		S-1	0-2	24	18	3 5 9 9	14	S-1A: Top 2": Brown, TOPSOIL, trace Grass/Roots. S-1B: Bottom 16": Dry, brown, fine to coarse SAND, little Silt, trace (-) Gravel, trace (-) Root Fibers.	1		0.3'	TOPSOIL	117.7'
		S-2	2-4	24	12	8 7 8 10	15	S-2: Dry, medium dense, brown, fine to coarse SAND, little Silt, trace (-) Gravel, trace (-) Roots.				SAND	
5		S-3	4-6	24	15	7 5 5 4	10	S-3: Moist, medium dense, brown, GRAVEL, some fine to coarse Sand, some Silt.	2		6'		112.0'
		S-4	6-8	24	13	5 6 10 11	16	S-4: Moist, medium dense, brown, fine to coarse SAND and SILT, little Gravel.				SILTY SAND	
		S-5	8-10	24	22	13 11 13 13	24	S-5: Moist, medium dense, light brown, fine to coarse SAND and SILT, little Gravel.	3 4 5		10'		108.0'
10												TILL	
											13.5'		104.5'
		S-6	14-15.0	2	2	65/2"	R	S-6: Wet, very dense, gray/brown, fine to coarse SAND and GRAVEL, trace Silt (possible Weathered Bedrock).	6 7 8			POSSIBLE WEATHERED BEDROCK	
15								Bottom of boring at 15 feet.			15'		103.0'
20													
25													

REMARKS

1. Ground surface elevations estimated from Google Earth.
2. Advanced casing and commenced drive & wash drilling methods at a depth of 4-feet.
3. Observed slight color change and increased silt content over bottom 2-inches of sample S-5, possible strata change.
4. Advanced casing to approximately 9-feet below ground surface and continued in an open hole after sample S-5.
5. Change in strata based on change in drilling resistance.
6. Observed increased roller-bit resistance and rig chatter approximately 13.3-feet below ground surface. Encountered split spoon refusal approximately 14.2-feet below ground surface during sample S-6.
7. Observed increased roller bit resistance approximately 60 sec/inch from 14.2 to 15-feet below ground surface. Observed small, angular rock fragments in return water.
8. Terminated boring approximately 15-feet below ground surface. Upon completion borehole was backfilled up to existing grade with drill cuttings and sand.

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Boring No.: GZA-1

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Proposed Amesbury Elementary School
Cashman Elementary School
193 Lions Mouth Road
Amesbury, Massachusetts

BORING NO.: GZA-2
SHEET: 1 of 1
PROJECT NO: 01.0173748.00
REVIEWED BY: HLA

Drilling Co.: New England Boring Contractors	**Type of Rig:** Tracked ATV	**Boring Location:** See Plan	**H. Datum:** See Plan
Foreman: Matt Soucy	**Rig Model:** Mobile B-53	**Ground Surface Elev. (ft.):** 118	
Logged By: Alex Karp	**Drilling Method:** Drive & Wash	**Final Boring Depth (ft.):** 18.3	**V. Datum:** WGS84
		Date Start - Finish: 8/8/2018 - 8/8/2018	

Auger/Casing Type: HW	**Sampler Type:** Split Spoon	**Groundwater Depth (ft.)**	
I.D/O.D.(in): 4/4.5	**I.D./O.D. (in.):** 1.375/2		
Hammer Weight (lb.): 300	**Sampler Hmr Wt (lb):** 140		
Hammer Fall (in.): 30	**Sampler Hmr Fall (in):** 30		
Other: Safety Hammer	**Other:** Auto Hammer		

Date	Time	Water Depth	Casing	Stab. Time
08/08/2018	1000	5.2 ft.	*casing extracted	0.25 hr.

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Sample Pen. (in)	Sample Rec. (in)	Sample Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		S-1	0-2	24	17	3 8 13 16	21	S-1A: Top 2": Dry, brown, Grass TOPSOIL, Roots. S-1B: Bottom 15": Dry, brown, fine to coarse SAND and GRAVEL, some Silt, trace Roots.	1		0.3'	TOPSOIL	117.7'
		S-2	2-4	24	13	17 16 18 16	34	S-2: Dry, dense, brown, fine to coarse SAND and SILT, little Gravel.					
5		S-3	4-6	24	13	9 7 4 10	11	S-3: Moist, medium dense, brown, fine to coarse SAND, little (+) Gravel, little Silt, trace Debris (brick fragments).	2			FILL	
		S-4	6-8	24	11	16 13 7 11	20	S-4: Wet, medium dense, brown to gray, fine to coarse SAND and SILT, trace Gravel, trace Debris (brick fragments) (slight H2S like odor).			8'		110.0'
		S-5	8-10	24	12	11 13 13 12	26	S-5: Wet, medium dense, brown, fine to coarse SAND and SILT, little (-) Gravel.				SILTY SAND	
10											12'		106.0'
		S-6	14-16	24	8	12 20 21 19	41	S-6: Wet, dense, brown, fine to coarse SAND, some Silt, little (+) Gravel.				TILL	
15											17'		101.0'
		S-7	18-18.3	4	3	75/11	R	S-7: Wet, very dense, gray, GRAVEL, trace fine to coarse Sand, trace Silt (possible Weathered Bedrock).	3 4		18.3'	POSSIBLE WEATHERED BEDROCK	99.7'
20								Bottom of boring at 18.3 feet.					
25													

REMARKS

1. Ground surface elevations estimated from Google Earth.
2. Advanced casing and commence drive & wash drilling methods at a depth of 4-feet.
3. Observed increased roller bit resistance and rig chatter approximately 17 to 18-feet below ground surface. Observed gray, angular rock fragments in return water.
4. Encountered split soon refusal approximately 18.3-feet below ground surface, therefore boring was terminated at approximately 18.3 feet below ground surface. Upon completion borehole was backfilled up to existing grade with drill cuttings and sand.

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Boring No.: GZA-2

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Proposed Amesbury Elementary School
Cashman Elementary School
193 Lions Mouth Road
Amesbury, Massachusetts

BORING NO.: GZA-3
SHEET: 1 of 1
PROJECT NO: 01.0173748.00
REVIEWED BY: HLA

Drilling Co.: New England Boring Contractors	**Type of Rig:** Tracked ATV	**Boring Location:** See Plan	**H. Datum:** See Plan
Foreman: Matt Soucy	**Rig Model:** Mobile B-53	**Ground Surface Elev. (ft.):** 133	
Logged By: Alex Karp	**Drilling Method:** Drive & Wash	**Final Boring Depth (ft.):** 10	**V. Datum:** WGS84
		Date Start - Finish: 8/8/2018 - 8/8/2018	

Auger/Casing Type: HW	**Sampler Type:** Split Spoon	
I.D/O.D.(in): 4/4.5	**I.D./O.D. (in.):** 1.375/2	
Hammer Weight (lb.): 300	**Sampler Hmr Wt (lb):** 140	
Hammer Fall (in.): 30	**Sampler Hmr Fall (in):** 30	
Other: Safety Hammer	**Other:** Auto Hammer	

Groundwater Depth (ft.)

Date	Time	Water Depth	Casing	Stab. Time
08/08/2018		Not Encountered		

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		S-1	0-2	24	6	2 4 6 8	10	S-1: Dry, medium dense, brown, fine to coarse SAND, some Silt, trace Gravel, trace Roots/Grass.	1		0.3'	TOPSOIL	132.7'
		S-2	2-4	24	13	6 7 12 12	19	S-2: Dry, medium dense, brown, fine to coarse SAND, little Gravel, little Silt, trace (-) Roots fibers.				SAND	
5		S-3	4-6	24	11	10 10 9 11	19	S-3: Dry, medium dense, brown, fine to coarse SAND, little Silt, little Gravel.			6'		127.0'
		S-4	6-8	24	18	13 10 12 14	22	S-4: Dry, medium dense, brown, fine to coarse SAND and GRAVEL, some Silt.				SILTY SAND	
		S-5	8-10	24	12	20 14 12 13	26	S-5: Dry, medium dense, brown, fine to coarse SAND and SILT, little Gravel.					
10									2		10'		123.0'
								Bottom of boring at 10 feet.					
15													
20													
25													

REMARKS

1. Ground surface elevations estimated from Google Earth.
2. Terminated boring approximately at 10-feet below ground surface. Upon completion borehole was backfilled up to existing grade with drill cuttings and sand.

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Boring No.: GZA-3

01.0173748.00 CASHMAN ELEMENTARY SCHOOL.GPJ; STRATUM ONLY; 9/4/2018

TEST BORING LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Proposed Amesbury Elementary School
Cashman Elementary School
193 Lions Mouth Road
Amesbury, Massachusetts

BORING NO.: GZA-4
SHEET: 1 of 1
PROJECT NO: 01.0173748.00
REVIEWED BY: HLA

Drilling Co.: New England Boring Contractors	**Type of Rig:** Tracked ATV	**Boring Location:** See Plan	**H. Datum:** See Plan
Foreman: Matt Soucy	**Rig Model:** Mobile B-53	**Ground Surface Elev. (ft.):** 137	
Logged By: Alex Karp	**Drilling Method:** Drive & Wash	**Final Boring Depth (ft.):** 8.3	**V. Datum:** WGS84
		Date Start - Finish: 8/8/2018 - 8/8/2018	

Auger/Casing Type: HW	**Sampler Type:** Split Spoon	
I.D/O.D.(in): 4/4.5	**I.D./O.D. (in.):** 1.375/2	
Hammer Weight (lb.): 300	**Sampler Hmr Wt (lb):** 140	
Hammer Fall (in.): 30	**Sampler Hmr Fall (in):** 30	
Other: Safety Hammer	**Other:** Auto Hammer	

Groundwater Depth (ft.)

Date	Time	Water Depth	Casing	Stab. Time
08/08/2018		Not Encountered		

Depth (ft)	Casing Blows/ Core Rate	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	Blows (per 6 in.)	SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Stratum Depth (ft.)	Stratum Description	Stratum Elev. (ft.)
		S-1	0-2	24	12	3 9 7 7	16	S-1: Dry, medium dense, brown, fine to coarse SAND, some Silt, trace Gravel, trace Roots/Grass.	1		0.3'	TOPSOIL	136.7'
		S-2	2-4	24	15	12 11 12 13	23	S-2: Dry, medium dense, brown, fine to coarse SAND, some Silt, little Gravel, trace Roots.				SILTY SAND	
		S-3	4-6	24	14	20 22 24 24	46	S-3: Dry, dense, brown, fine to coarse SAND, some Silt, little Gravel.			4'		133.0'
5		S-4	6-8	24	19	23 27 26 26	53	S-4: Dry, very dense, brown, fine to coarse SAND and SILT, trace Gravel.				TILL	
		S-5	8-8.3	3	3	60/3"	R	S-5: Dry, very dense, brown, fine to coarse SAND, some Silt, trace Gravel.	2		8.3'		128.7'
10								Bottom of boring at 8.3 feet.					
15													
20													
25													

REMARKS

1. Ground surface elevations estimated from Google Earth.
2. Encountered split spoon refusal approximately 8.3-feet below ground surface, therefore the boring was terminated boring at approximately 8.3-feet below ground surface. Upon completion borehole was backfilled up to existing grade with drill cuttings and sand.

See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Boring No.: GZA-4

01.0173748.00 CASHMAN ELEMENTARY SCHOOL.GPJ; STRATUM ONLY; 9/4/2018

APPENDIX C - GEOTECHNICAL LABORATORY TEST RESULTS

THIELSCH ENGINEERING
195 Frances Avenue
Cranston RI, 02910
Phone: (401)-467-6454
Fax: (401)-467-2398
thielsch.com
Let's Build a Solid Foundation

Client Information:
GZA GeoEnvironmental
249 Vanderbilt Ave, Norwood, MA 02062
PM: Heather Audet
Assigned By: Heather Audet
Collected By: A. Karp

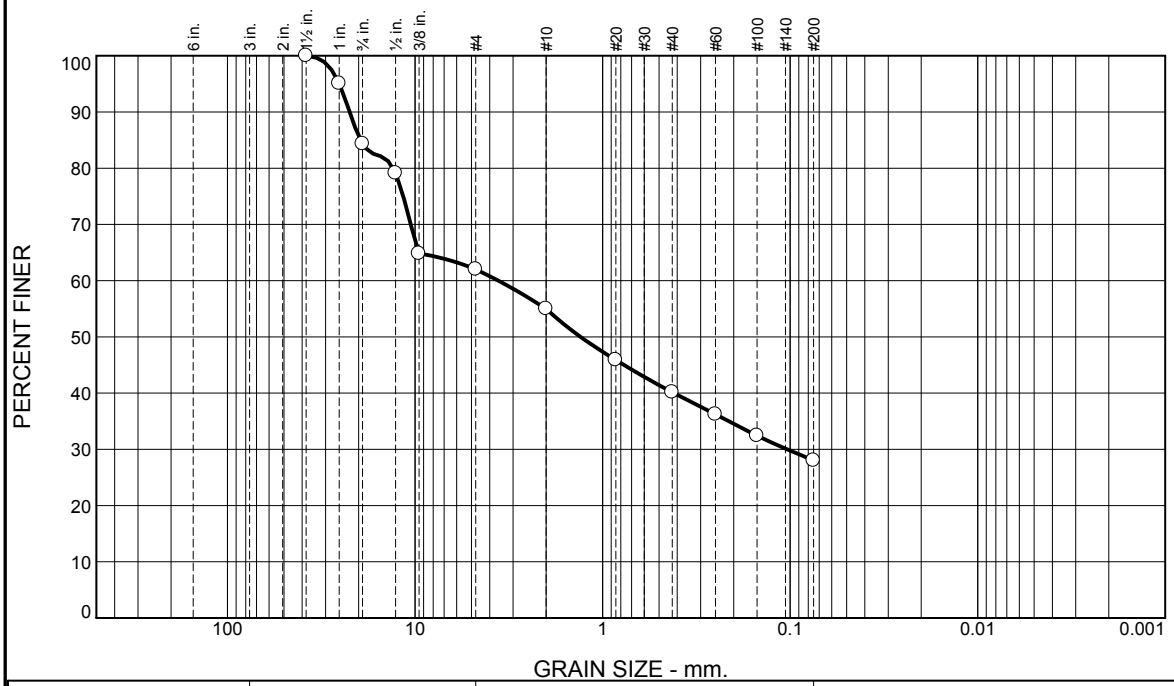
Project Information:
Cashman Elementary School
Amesbury, MA
GZA Project Number: 01.0173748.00
Summary Page: 1 of 1
Report Date: 08.17.18

LABORATORY TESTING DATA SHEET

Boring ID	Sample No.	Depth (ft)	Laboratory No.	Identification Tests						Corrosivity Tests								Laboratory Log and Soil Description
				Water Content %	LL %	PL %	Gravel %	Sand %	Fines %	Org. %	Sulfate (mg/kg)	Chloride (mg/kg)	Sulfide (mg/kg)	Redox Potential (mv)	Electrical Resist. As Received Ohm-cm	Electrial Resist. Saturated Ohm-cm	pH	
				D2216	D4318		D6913			D2874	EPA				G57		G51	
GZA-1	S-3	4-6	S-1				38.0	34.0	28.0									Brown f-c GRAVEL, some f-c Sand, some Silt
DGT-2	S-3	4-6	S-2				19.1	46.1	34.8									Brown f-c SAND, some Silt, little fine Gravel

Reviewed By _____ 08.20.2018

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	15.7	22.3	7.0	14.8	12.2	28.0	

Test Results (D6913 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.5"	100.0		
1"	95.1		
0.75"	84.3		
0.5"	79.1		
0.375"	64.8		
#4	62.0		
#10	55.0		
#20	45.9		
#40	40.2		
#60	36.2		
#100	32.4		
#200	28.0		

* (no specification provided)

Material Description

Brown f-c GRAVEL, some f-c Sand, some Silt

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= GM **AASHTO (M 145)=** A-2-4(0)

Coefficients

D_{90}= 22.3209 D_{85}= 19.5328 D_{60}= 3.5995
D_{50}= 1.3101 D_{30}= 0.1037 D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 08.15.18 **Date Tested:** 08.17.18

Tested By: MN

Checked By: Steven Accetta

Title: Laboratory Manager

Source of Sample: Borings **Depth:** 4-6' **Date Sampled:**
Sample Number: GZA-1 / S-3

Thielsch Engineering Inc.

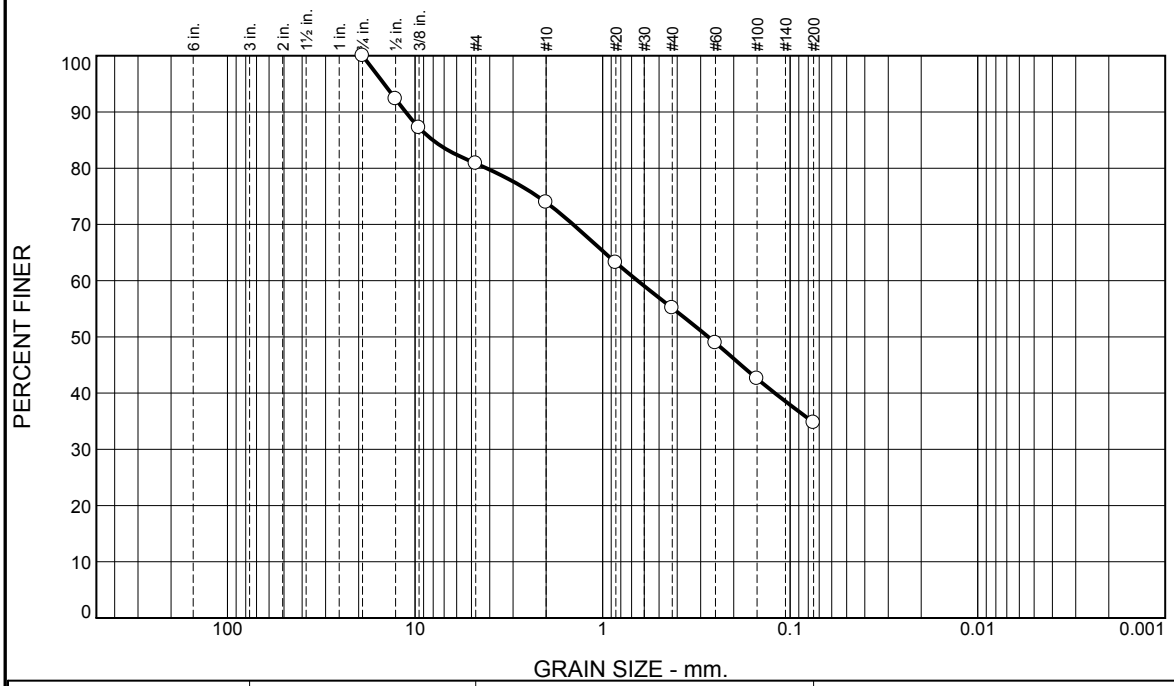
Cranston, RI

Client: GZA GeoEnvironmental

Project: Cashman Elementary School
Amesbury, MA

Project No: 01.0173748.00 **Figure** S-1

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	19.1	7.0	18.8	20.3	34.8	

Test Results (D6913 & ASTM D 1140)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
0.75"	100.0		
0.5"	92.3		
0.375"	87.2		
#4	80.9		
#10	73.9		
#20	63.2		
#40	55.1		
#60	48.9		
#100	42.6		
#200	34.8		

* (no specification provided)

Material Description

Brown f-c SAND, some Silt, little fine Gravel

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= SM **AASHTO (M 145)=** A-2-4(0)

Coefficients

D_{90}= 11.2246 D_{85}= 8.0448 D_{60}= 0.6515
D_{50}= 0.2732 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Remarks

Sample visually classified as non-plastic.

Date Received: 08.15.18 **Date Tested:** 08.17.18

Tested By: MN

Checked By: Steven Accetta

Title: Laboratory Manager

Source of Sample: Borings **Depth:** 4-6' **Date Sampled:**
Sample Number: DGT-2 / S-3

Thielsch Engineering Inc.

Cranston, RI

Client: GZA GeoEnvironmental

Project: Cashman Elementary School
Amesbury, MA

Project No: 01.0173748.00 **Figure** S-2

SMITH & WESSEL ASSOCIATES, INC.
HAZARDOUS BUILDING MATERIALS AND AIR QUALITY SPECIALISTS

8 CHURCH STREET
MERRIMAC, MA 01860

TELEPHONE: (978) 346-4800
FAX: (978) 346-7265

AHERA INSPECTION REPORT AND MANAGEMENT PLAN FOR

CASHMAN SCHOOL AT POND HILL
ROUTE 110 (HAVERHILL ROAD)
AMESBURY, MASSACHUSETTS 01913

Prepared For:
Mr. Jon Higgins
Higgins Environmental Inc.
19 Elizabeth Road
Amesbury, Massachusetts 01913

Prepared By:
Smith & Wessel Associates, Inc.
8 Church Street
Merrimac, Massachusetts 01860

Project 00275

September 13, 2000

William McCarriston
Asbestos Inspector(#AI-30901)
Management Planner(#AP-30902)

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Appendix B ..... Operations and Maintenance Plan
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INTRODUCTION

This inspection report and management plan was prepared for the temporary Cashman School at Pond Hill in accordance with the requirements of the Asbestos Hazard Emergency Response Act (AHERA). The Management Plan is an ongoing system which must be revised/updated after each reinspection, every operations and maintenance activity, and at the completion of all response actions conducted. The inspection report is an integral portion of the management plan as it contains the information regarding asbestos-containing building materials (ACBM) in the areas occupied in the building by students and staff on the second floor of the south end of the building and stairwells. The results of the inspection are included in Section 2.

In addition to the inspection results, the Management Plan also requires the maintenance of records regarding all future asbestos abatement, asbestos management and communication to parents and building occupants.. The records should be maintained in the Local Education Agency (LEA) central administrative office as well as in the school administrative office to ensure that the plans are available for inspection.

The Cashman School at Pond Hill is an LEA within the meaning of the AHERA Regulation. AHERA requires each LEA to prepare a Management Plan for each school building, submit it for approval to the appropriate state appointed review agency and maintain copies of the plan in both the School system's central administrative office.

Each Management Plan must include:

1. A list of the name and address of each school building and whether the school building contains friable ACBM, nonfriable ACBM, and friable and nonfriable suspected ACBM assumed to be ACBM.

2. A description of inspections conducted before December 14, 1987 and response actions and preventive measures based on these inspections.

3. For each inspection conducted in accordance with AHERA regulations, the following must be included:

   a) The date of the inspection (or reinspection) on which the Management Plan is based and the name, signature, and accreditation information of the inspector.

   b) A diagram or written description of each school building identifying the location and square or linear footage of:

      i) Homogeneous areas where material was sampled for asbestos-containing material (ACM) with locations of samples and details of the sample collection.

      ii) Homogeneous areas where friable suspected ACBM is assumed to be ACM.

      iii) Homogeneous areas where nonfriable ACBM is assumed to be ACM.

   c) A description of the manner used to determine sampling locations and the name, signature and accreditation information of the inspector who collected the samples.

d) A copy of laboratory results and the credentials of the laboratory.

e) Assessments classifying all ACBM and suspected ACM according to the EPA seven category classification code, and the credentials of the inspector who made the assessments.

4. The identity of the person designated by the LEA under 40 CFR Part 763.84 (g) (1) to ensure compliance with Section 763.84 and a description of the designated person's training.

5. The recommendations for response actions made by the management planner and the management planner's accreditation information.

6. A detailed description of preventative measures and response actions to be taken for any friable ACBM including locations of such materials, reasons for selecting these measures and a time frame for implementation.

7. A statement and authorized signature, stating that the LEA has used, and will use, accredited persons for all inspections and response actions.

8. A detailed description by diagram, or in writing, of any ACBM or suspected ACBM assumed to be ACM, which remains in the school once response actions have been performed (to be updated as these are completed).

9. Plans for periodic reinspections, operations and maintenance activities and periodic surveillance.

10. The recommendations made by the management planner, regarding extra cleaning after the initial post-inspection cleaning of areas, where friable ACBM or damaged thermal system insulation has been identified, and the LEA's response to that recommendation.

11. A description of the plan and the steps taken to inform workers, building occupants or their guardians about inspections, planned response actions and periodic reinspections and surveillance.

12. An evaluation of the resources needed for response actions, reinspections, operations and maintenance, periodic surveillance and training.

13. Additional information on the credentials of each consultant contributing to the Management Plan.

Once the management plan has been prepared, the LEA shall ensure the following requirements are met.

1. The plan must be submitted to the Governor of the state. In this case, the Massachusetts Department of Occupational Health (DOH) is responsible for reviewing the plans.

2. The LEA shall maintain an updated copy of the management plan in its administrative offices for each school. Each school shall also maintain an updated copy of the

management plan for that school.

3. A description of the steps taken to notify in writing, parent, teacher and employee organizations of the availability of the Management Plan and a dated copy of such notification. In the absence of such organizations, the steps taken to notify the groups in question including dated copies of written notifications.

1. ACCREDITATION INFORMATION

The Commonwealth of Massachusetts requires that all contractors and consultants who do asbestos-related work be licensed or certified, as applicable. The four consultant categories of state asbestos licensure are: Inspector, Management Planner, Project Designer and Project Monitor.

1.1 Designated Person Information

The Designated Person is the person the Local Education Agency assigns to be responsible for all asbestos-related concerns for the Cashman School at Pond Hill. This person is the school district's representative and directs all asbestos-related activities. The Designated Person also is responsible for making information regarding asbestos-related activities available to all appropriate interested parties. Specific responsibilities for the Designated Person are outlined in the Operations and Maintenance Program. The Designated Person must be informed before any and all activities in which asbestos-containing building materials (ACBM) may be disturbed.

The LEA has designated the following individual under 40 CFR Part 763.84(g.) to ensure its compliance with the AHERA Regulation.

Name: _____

Address: _____

Title: _____

Phone: _____

Designated Person Qualification Information:

1. Training Facility: _____

   Training Course: _____

   Date: _____

   Hours of Training: _____

I, _____ hereby certify that the Cashman School at Pond Hill will use accredited persons for all asbestos related work as approved under section 206(b) of Title II of the AHERA Act. The following information will be required: individual's name and address, social security number, employer, course taken, date, state of accreditation and the accreditation number as well as the name and address of the training entity.

Signed: _____ Date: _____

Certification by Designated Person:

I, _____, certify as correct and true that the general local education agency responsibilities as stipulated by section 763.84 of 40 CFR Part 763, have all been or will be complied with to the best of my ability.

Signed: _____ Date: _____

1.2 Asbestos Inspector Information

Name: William McCarriston
Title: Project Manager
Company: Smith & Wessel Associates, Inc.
Address: 8 Church Street
Merrimac, MA 01860

Phone: 978-346-4800

Training/Qualification Information

Initial Training

Training Facility: Tufts University
Course Name: Asbestos Abatement for Inspectors
Date: 01/11-01/13/88
Hours of Training: 24

Current Refresher Training

Training Facility: Institute for Environmental Education, Inc.
Training Course: Asbestos Inspector/Management Planner Annual
Review Date: 05/11/01
Hours of Training: 8

State Certification

Massachusetts Inspector Cert. # AI30901
Expiration date: 09/15/00

1.3 Management Planner Information

Name: William McCarriston
Title: Project Manager
Company: Smith & Wessel Associates, Inc.
Address: 8 Church Street
Merrimac, MA 01860

Phone: 978-346-4800

Training/Qualification Information

Initial Training

Training Facility: Tufts University
Course Name: Asbestos Abatement for Inspectors
Date: 01/11-01/13/88
Hours of Training: 24

Current Refresher Training

Training Facility: Institute for Environmental Education, Inc.
Training Course: Asbestos Inspector/Management Planner Annual
Review Date: 05/11/01
Hours of Training: 8

State Certification:

Massachusetts Mgmt. Planner: AP30902
Expiration date: 09/15/00

1.4 Analytical Laboratory Information

Name: Scientific Laboratories, Inc.

Address: 8 School Street
Weymouth, MA 02189
Phone #: 781-337-9334

National and State Certifications

- National Institute of Standards and Technology (NIST)
- National Voluntary Laboratory Accreditation Program (NVLAP) Laboratory # 101904-1

- EPA "Interim Asbestos Bulk Sample Analysis Quality Assurance Program"

Microscopy Lab Director : Steven A. Grevelis

Laboratory Microscopist: Corey A. Barnett

Scientific Laboratories, Inc. is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). NVLAP functions as an unbiased third party for the evaluation and recognition of technical performance. NVLAP accreditation signifies recognition of a testing laboratory's competence to perform specific test methods, in this case the analysis of material suspected of containing asbestos by the "Interim Method of the Analysis of Asbestos in Friable Bulk Insulation Samples", as described in40 CFR CH. 1 (1-1-87 edition) Pt. 763, subpt. F App A. Accreditation indicates that the laboratory's quality assurance program, staff qualifications, facilities, equipment, calibration procedures, records and test reports have all been evaluated and found to meet NVLAP criteria. Specific requirements of this program include the reporting of certain analytical data used to arrive at the reported finding of the analysis. SciLab is also accredited by the Massachusetts Department of Labor and Industries, Asbestos Abatement Program Certification for Analytical Services, Certification AA000054.

2. ASBESTOS INSPECTION

2.1 Inspection Protocol

The asbestos inspection was performed on August 25, 2000 by Smith & Wessel's Project Manager, William McCarriston, Massachusetts Asbestos Inspector Accreditation No.AI30901.

Per AHERA requirements, we inspected and categorized suspect ACBM by homogeneous area and functional space. A homogeneous area, as defined by AHERA, is "an area of surfacing material, thermal system insulation or miscellaneous material that is uniform in color or texture." A functional space is defined as a room or group of rooms or homogeneous area which is used by building occupants for a single purpose (e.g. classrooms) as designated by a person accredited to prepare Management Plans.

After surveying all areas of a building, we divided it into functional spaces and noted all homogeneous areas within the space. We inspected for the following types of suspect ACBM:

- Thermal system insulation, such as insulation on pipes, boilers, tanks, ducts, and related equipment;
- Surfacing material, such as fireproofing applied to structural components, acoustical and decorative plasters, and other sprayed or troweled applications; and
- Miscellaneous materials, such as ceiling tiles, floor tiles, and blown-in insulation.

To determine the asbestos content of suspect ACBM, we collected and analyzed representative bulk samples. Bulk samples were collected by extracting a small but representative portion of suspect material from the substrate. The samples, typically measuring one cubic centimeter, were collected using a variety of methods. Thermal insulations were collected using hollowed metal coring sleeves attached to a handle. A knife with a lockable blade was used to collect samples of ceiling tile, plasters, and other rigid materials. A hammer and chisel were used to collect samples of floor tile. The extracted samples were then placed into individual plastic vials with tightly fitting caps for transport to the laboratory. Samples were collected with discretion, so as to minimize

potential fiber release and to prevent damage to building finishes.

We collected representative bulk samples using the following protocol:

- For thermal system insulation, a minimum of three samples of each type, except for small patched areas (less than six square feet), in which case at least one sample will be collected;
- For surfacing materials, a minimum of three samples of each type of material present in quantities less than 1,000 square feet, a minimum of five samples of each type of material present in quantities less than 5,000 square feet and at least seven samples for each type of material present in quantities equal to or greater than 5,000 square feet; and
- For miscellaneous materials, in a manner sufficient to determine if a material was ACBM or non ACBM.

The samples were analyzed by Scientific Laboratories, Inc., a fully accredited asbestos analytical laboratory. The laboratory used Polarized Light Microscopy (PLM), in accordance with the requirements of 40 CFR 763, Subpart F, Appendix A, to analyze the samples. Because PLM is not consistently reliable in detecting asbestos in floor coverings and similar nonfriable organically bound materials, when a negative (less than one percent asbestos) result is obtained by PLM, we recommend additional analysis of such material using Transmission Electron Microscopy (TEM) to confirm the results.

In accordance with AHERA, materials that we suspected of containing asbestos but were not sampled were assumed to contain asbestos. The inspector would make such assumptions based on the type of material application, its age and any distinguishing physical characteristics. It was the intention of the inspector not to disturb suspect materials or to cause damage which does not already exist.

2.2 *Building Description*

The property is located on Haverhill Road, Amesbury, Massachusetts. The Amesbury School Department is currently occuping approximately 20,000 square feet on the 2nd floor south wing of the MACOM manufacturing facility in Amesbury, Massachusetts. This will be temporary location for the Cashman School at Pond Hill for this year only. The MACOM facility was constructed in the early 1980s. The MACOM facility is a three-story structure with metal windows and a brick facade; it encompasses approximately 133,250 square feet of floor space.

Twenty-four (24) homogeneous areas were identified at the Cashman School at Pond Hill, one of which were found to contain asbestos. Two homogeneous area were assumed to be asbestos-containing. The survey report section of this Management Plan includes a list describing each homogeneous area and recording whether or not it contains asbestos. Mr. McCarriston sampled all suspect, accessible material.

Limitations

- Our inspection was limited to readily accessible and observable areas only. The spaces behind walls, above fixed ceilings, under carpets or subflooring, inside mechanical equipment, and the like, were not evaluated.
- Only building materials were evaluated during our inspection.Furnishings, and similar items that are not part of the building structure, were not evaluated.

- Exterior areas, including the roof and roofing materials, window caulking and glazing compound, were not evaluated during the inspection.
- Before renovation or demolition work is performed that may impact suspect ACBM that were not evaluated during our initial inspection, a more comprehensive, intrusive inspection should be performed. Anytime suspect materials are encountered in the building that are not addressed in the Management Plan or this report, should be assumed to contain asbestos, unless representative sampling and analysis is performed.

2.3 *AHERA Inspection Summary Table*

The following table provides a summary of the AHERA Categorized Homogeneous Areas, material description, location, quantity, number of samples collected and the associated analytical results.

The following symbols are utilized in the following table:

S = Surfacing Materials (troweled or spray-applied)
T = Thermal System Insulation
M = Miscellaneous Material
lf. = Linear Feet
sf = Square feet

AHERA Inspection Summary Table

Homo. Area ID #	Material description	Functional space	Quantity	No. of samples	Analytical results
M-01	Yellow carpet mastic	Located throughout the classrooms, hallways, storage closets and administrative offices.	17,000 sf	3	No asbestos detected
M-02	Mastic underlying corner vinyl partition molding	Located throughout the grade 4 classroom area.	20 sf	2	**5 % total asbestos**
M-03	Black tar paper underlying vinyl stair treads	Located in stairwells "A" and "B" on the 2nd floor	300 sf	2	No asbestos detected
M-04	2' x 4' white pinhole ceiling tile	Located in hallways, classrooms, storage areas, bathroom areas, stairwells, cafeteria services and computer lab.	12,000 sf	3	No asbestos detected
M-05	2' x 2' white ceiling tiles	Located in the administration area.	3,000 sf	2	No asbestos detected

Homo. Area ID #	Material description	Functional space	Quantity	No. of samples	Analytical results
M-16	Mastic underlying 12" x 12" brown speckled vinyl floor tile	Located throughout the school in stairwells "A" and "B".	1,500 sf	2	No asbestos detected
M-17	12" x 12" brown vinyl floor tile	Located in bathrooms by the elevator lobby	400 sf	2	No asbestos detected
M-18	Mastic underlying 12" x 12" brown vinyl floor tile	Located in bathrooms by the elevator lobby	400 sf	2	No asbestos detected
M-19	12" x 12" brown (2nd layer) vinyl floor tile	Located in the men's bathroom	200 sf	2	No asbestos detected
M-20	Mastic underlying 12" x 12" brown (2nd layer) vinyl floor tile	Located in the men's bathroom	200 sf	2	No asbestos detected
M-21	Grey 12" x 12" vinyl floor tile	Located in the bathroom by the large open classroom area	200 sf	2	No asbestos detected
M-22	Mastic underlying grey 12" x 12" vinyl floor tile	Located in the bathroom by the large open classroom area	200 sf	2	No asbestos detected
M-23	White gypsum wallboard	Located throughout the building	22,000 sf	5	No asbestos detected
M-24	White joint compound associated with gypsum wallboard system	Located throughout the building	4,000 sf	5	No asbestos detected
M-25	12" x 12" white vinyl floor tile and associated mastic	Located in cafeteria services	1,400 sf	0	**Presumed ACBM**
M-26	12" x 12" light brown speckled vinyl floor tile and associated mastic	Located in the grade 3 open classroom area	1,040 sf	0	**Presumed ACBM**

2.4 *Hazard Assessment Summary*

One of the primary goals of AHERA was to establish criteria by which the current and potential hazards of asbestos-containing building materials could be assessed. In general, these criteria pertain to the accessibility of the material, who can access it, its current condition including the extent of any existing damage, and its potential for damage in the future.

Using the criteria outlined in AHERA, our accredited Inspector/Management Planner evaluated the condition of the material and its hazard potential. We based response action recommendations on this assessment.

It is important to note, however, that all material assessments are based on the condition of the material at the time of the inspection. Any deterioration in material condition brought about by physical disturbance, water damage, air erosion, etc., will increase the material's potential for fiber release. Response actions necessitated by such deterioration are described in the Operations and Maintenance Program. Material condition and potential for fiber release will, in keeping with AHERA, be reassessed at least once every six months by the Designated Person or his/her designated representative, and every three years by an accredited Inspector.

Hazard Assessment Summary Sheets

The Hazard Assessment Summary Sheets contain information regarding the location and material condition of all visible, accessible suspect asbestos-containing materials at the Cashman School at Pond Hill in Amesbury, MA. The Management Planner's Response Action Recommendations are provided for all known ACBM and assumed ACBM.

Friability of Material

A material is friable if it can be reduced to powder by hand pressure. Friable materials are more likely to release asbestos fibers into the air than materials of low friability. The friability of a material is therefore an important index of its potential hazard. It is important to note that all materials, if broken, crushed or disturbed, can become friable.

Homogeneous Area Description

A Homogeneous Area is an area of a specific material application which is uniform in color and texture. A Homogeneous Area can extend throughout the building and can include materials in noncontiguous rooms.

Functional Space Description

A Functional Space is any area of the building dedicated to a single purpose as defined by the Inspector/Management Planner. The activities which occur in a given functional space are an important component in the Management Planner's assessment of potential material hazards.

EPA Assessment Categories

1. Damaged or significantly damaged thermal system insulation ACM.
2. Damaged friable surfacing ACM.
3. Significantly damaged friable surfacing ACM.
4. Damaged or significantly damaged friable miscellaneous ACM.
5. ACBM with potential for damage.

6. ACBM with potential for significant damage.

7. Any remaining friable ACBM or friable suspected ACBM.

N/A Non-Asbestos containing material, when referring to school buildings, is defined by the EPA as any material or product which contains less than one (1) percent asbestos.

Assessment Criteria

One of the major tasks of the Inspector/Management Planner in the field is to determine not only the current condition of a given material but also to identify those factors which might influence the material's condition, and therefore potential for fiber release, in the future. Among the factors which might result in fiber release are air erosion, maintenance and student activities. Also noted by the Inspector/Management Planner are conditions that might affect potential exposure if fiber release were to occur. These factors include the existence of barriers that would, to a limited extent, minimize fiber release from ACBM behind or above the barrier and other access features which either reduce the likelihood of damage (e.g. height) or would limit the number of people exposed (e.g. an attic area accessed rarely, or only by maintenance personnel).

Damage Factors

Material can be damaged by water (e.g. roof, ceiling or piping leaks) or by physical damage (e.g. repair, vandalism, or deterioration due to age). In this section the Inspector/Management Planner assigns percentage values to each of these types of damage in the homogeneous area and notes the potential sources of this damage.

Recommended Response Actions

Immediate Removal: When a material poses an immediate threat to the health and safety of building occupants the Management Planner recommends Immediate Removal. Materials requiring immediate removal are generally highly damaged and routinely accessible to building occupants. It is often necessary to temporarily isolate the Immediate Removal area in accordance with the provisions of the Operations and Maintenance Program until such time as a licensed, qualified asbestos abatement contractor can perform the removal.

Removal When Practical: When a material is badly damaged, has the potential for damage or is highly accessible, particularly to students, the Management Planner recommends Removal When Practical. Materials recommended for Removal When Practical generally require careful maintenance under the Operations and Maintenance Program until such time as scheduling and budgeting considerations allow for their removal.

Patch and Repair: Materials which are damaged can often be repaired rather than removed. Patch and Repair activities can be undertaken, if less than three square feet of damage is involved, by properly trained in-house maintenance personnel. In some cases, temporary patch and repair of damaged materials is necessary pending removal to reduce

their potential for fiber release.

Enclosure: Enclosure, isolation of a material behind a hard, airtight, impermeable barrier, is recommended by the Management Planner only in very rare circumstances in which either the material cannot be removed or it is in a rarely accessed area where there is relative certainty that no renovations are likely to take place for the life of the building. Enclosure is not substantially less expensive than removal and is therefore recommended infrequently.

Encapsulation: Encapsulation, coating the material with a bonding or sealing agent, is generally recommended by the Management Planner as an interim response pending removal of the material.

Operations and Maintenance Program (O&M): Maintenance of ACBM under the Operations and Maintenance Program is recommended for all ACBM at every building. The O&M Program, which provides guidelines for the day to day management and handling of ACBM at the building, must be implemented and employed whenever asbestos is present. Materials that are scheduled for abatement must be maintained under the O&M Program until such time as they are removed. Likewise, ACBM that is to remain in the building must be maintained under the O&M for the duration

Asbestos Inspection
Hazard Assessment Summary Sheet

Project Number:	00275
School Name:	Cashman School at Pond Hill
Homogeneous Area :	M-02
Type of Material:	Miscellaneous
Analysis Result:	5% Total Asbestos
Square/Linear Footage:	20 sf
EPA Assessment Category:	5

Area Description

Homogeneous Area:	Mastic underlying corner vinyl partition molding
Location:	Located throughout the grade 4 classroom area.

Assessment Criteria - Current Conditions

Existence of Barriers:	None
Abnormal Access Features:	None
Air Erosion:	None
Maintenance Activities:	Low
Vandalism:	Low
Potential for Fiber Release:	Low
Comments:	The material is in good condition

Damage Factors

Water:	Percentage: <1%
Physical:	Percentage: <1%
Probable Source of Damage:	The material is in good condition

Recommended Response Action(Overall)

Recommended Response Action:	Operations and Maintenance Program
Response Action Rationale:	The material is in good condition; thus, it is not normally subject to airborne fiber release. Thus, properly maintaining the material in-place as part of the O&M Program is appropriate.

Asbestos Inspection
Hazard Assessment Summary Sheet

Project Number:	00275
School Name:	Cashman School at Pond Hill
Homogeneous Area :	M-25
Type of Material:	Miscellaneous
Analysis Result:	Presumed Asbestos
Square/Linear Footage:	1,400 sf
EPA Assessment Category:	5

Area Description

Homogeneous Area:	White 12" x 12" floor tile and associated mastic.
Location:	Located within cafeteria services.

Assessment Criteria - Current Conditions

Existence of Barriers:	None
Abnormal Access Features:	None
Air Erosion:	Low
Maintenance Activities:	Low
Vandalism:	Low
Potential for Fiber Release:	Low
Comments:	The material is in good condition.

Damage Factors

Water:	Percentage: <1%
Physical:	Percentage: <1%
Probable Source of Damage:	The material is in good condition.

Recommended Response Action(Overall)

Recommended Response Action:	Operations and Maintenance Program
Response Action Rationale:	The material is in good condition; thus, it is not normally subject to airborne fiber release. Thus, properly maintaining the material in-place as part of the O&M Program is appropriate.

Asbestos Inspection
Hazard Assessment Summary Sheet

Project Number:	00275
School Name:	Cashman School at Pond Hill
Homogeneous Area :	M-26
Type of Material:	Miscellaneous
Analysis Result:	Presumed Asbestos
Square/Linear Footage:	1,040 sf
EPA Assessment Category:	5

Area Description

Homogeneous Area:	Light brown 12" x 12" floor tile and associated mastic.
Location:	Located in the grade 3 open classroom area.

Assessment Criteria - Current Conditions

Existence of Barriers:	None
Abnormal Access Features:	None
Air Erosion:	Low
Maintenance Activities:	Low
Vandalism:	Low
Potential for Fiber Release:	Low
Comments:	The material is in good condition.

Damage Factors

Water:	Percentage: <1%
Physical:	Percentage: <1%
Probable Source of Damage:	The material is in good condition

Recommended Response Action(Overall)

Recommended Response Action:	Operations and Maintenance Program
Response Action Rationale:	The material is in good condition; thus, it is not normally subject to airborne fiber release. Thus, properly maintaining the material in-place as part of the O&M Program is appropriate.

3. RESPONSE ACTIONS

AHERA regulations require that response actions, other than small scale/short duration repairs, be conducted and designed by persons accredited to design and conduct response actions. Massachusetts DLWD Regulation 453 CMR 6.07 requires that abatement project be designed by certified Abatement Project Designers who meet the requirements set forth in 453 CMR 6.07.

The LEA shall incorporate the following information into the Management Plan for each response action completed.

A. Records of asbestos removal contractors, project designer and abatement monitoring firm, including their accreditation information.

B. All air monitoring and sample documentation information including the name and signature of each person collecting air samples, location of sample, collection date, name and address of analytical laboratory, date of analysis, analytical method and results including the name and signature that the laboratory meets AHERA and state of Massachusetts requirements.

C. Waste disposal documentation

Response Action Selection Criteria

The LEA must select and implement in a timely manner the appropriate response actions consistent with the EPA Assessment Codes. The response actions selected shall be sufficient to protect human health and the environment.

The LEA may select the action that is the least burdensome method. In determining which is least burdensome, the LEA may consider local circumstances including occupancy and use patterns within the school building, and its economic concerns, long and short term.

Note: Nothing prohibits the removal of ACBM from a school building at any time, should removal be the preferred response action of the LEA.

The seven (7) category assessment code described in the previous section shall be utilized to determine response actions.

In applying the EPA's Assessment code, it is necessary to understand the following EPA definitions.

Damaged ACBM: That material which has deterioration, delamination, water damage, lacks cohesion, is blistered, crumbling, gouged, marred heavily, abraded, or in any way has lost its structural integrity over more than 1% but less than 10% of the

surface area if the damage is evenly distributed or less than 25% if the damage is localized in one area of the homogeneous area.

Significantly Damaged ACBM: That material which has deterioration, delamination, water damage, lacks cohesion, is blistered, crumbling, gouged, marred heavily, abraded, or in any way has lost its structural integrity over at least 10% of the surface area if the damage is evenly distributed or at least 25% if the damage is localized in one area of the homogeneous area.

Good Condition ACBM: ACBM with no visible damage or deterioration.

ACBM with potential for damage: Pertains to circumstances in which:

- Friable ACBM is in an area regularly used by building occupants, including maintenance workers.
- There are indications that there is a reasonable likelihood that the material or its covering will become damaged, deteriorated or delaminated due to factors such as changes in building use, changes in O&M practices, changes in occupancy or recurrent damage.

ACBM with potential for significant damage: Pertains to circumstances in which:

- Friable ACBM is in an area regularly used by building occupants, including maintenance workers.
- There are indications that there is a reasonable likelihood that the material or its covering will become damaged, deteriorated or delaminated due to factors such as changes in building use, changes in O&M practices, changes in occupancy or recurrent damage.
- The material is subject to major or continuing disturbance, due to factors including, but not limited to accessibility or under certain circumstances, vibration or air erosion.

The selection of Response Actions is guided by minimum response requirements imposed by the AHERA Regulation. These include:

1. If damaged or significantly damaged thermal system insulation (TSI) ACM (EPA Code #1) is present in a building, the LEA shall:

   a) At least repair the damaged area, or remove the damaged material if it is not feasible to repair the damage.

   b) Maintain all TSI ACM and its covering in an intact state and undamaged condition.

2. If damaged friable surfacing ACM or damaged friable miscellaneous ACM (EPA

Code #2 and 4) is present in a building the LEA shall:

a) Select encapsulation, enclosure, removal or repair of the damaged material.

3. If significantly damaged friable surfacing ACM or significantly damaged friable miscellaneous ACM (EPA Codes #3 and 4) is present in a building, the LEA shall:

   a) Immediately isolate and restrict access, unless isolation is not necessary to protect human health and the environment.

   b) Remove the ACM from the functional space, unless encapsulation or enclosure is sufficient.

4. If any friable surfacing ACM, thermal system insulation ACM, or friable miscellaneous ACM (EPA Code #5) is present in a building, the LEA shall:

   a) At least institute an O&M Program, as described in 763.91.

5. If any friable surfacing ACM, thermal system insulation ACM, or friable miscellaneous material has potential for significant damage, (EPA Code #6) is present in a building, the LEA shall:

   a) Implement an O&M Program, as described under 763.91.

   b) Institute preventive measures appropriate to eliminate the reasonable likelihood that the ACM or its covering will become significantly damaged, deteriorated, or delaminated.

   c) Remove the material as soon as possible if appropriate preventative measures cannot be effectively implemented, or unless other response actions are determined to protect human health and the environment. Immediately isolate the area and restrict access if necessary to avoid an imminent and substantial endangerment to human health or environment.

Management Planner's Recommended Response Action

The majority of the ACBM at the Cashman School at Pond Hill, Amesbury, Massachusetts can be managed under the provisions of the Operations and Maintenance Program.

The Hazard Priority Summary list ranks the homogeneous areas which contain asbestos according to their potential for fiber release. Based on material condition as observed during the inspector's inspection, no areas at the Cashman School at Pond Hill require immediate or emergency abatement.

Factors which may influence decisions as to when areas are to be repaired or abated, apart from an area's potential for fiber release, might include scheduled renovations,

appropriate funding, or the availability of unoccupied areas (such as during vacation periods).

The Hazard Priority Summary

Priority Schedule	Homogenous Area	Recommended Response Action
1.	M-25, White 12" x 12" Vinyl Floor Tile and Associated Mastic	O&M
2.	M-26, Light Brown 12" x 12" Speckled Vinyl Floor Tile and Associated Mastic	O&M
3.	M-02, Mastic Underlying Corner Vinyl Partition Molding	O&M

Cost Estimate Summary

These estimates are based on current industry standards for asbestos abatement work conducted in occupied buildings. Abatement costs may fluctuate rapidly based on a variety of factors: the prevailing economic climate, seasonal differences, union labor considerations, scale of the abatement, occupancy of the building, and so on. We recommend that qualified abatement contractors be solicited to determine actual pricing involved. In addition to pricing for abatement, we have considered anticipated industrial hygiene costs associated with abatement, including project design, air monitoring and oversight of the abatement.

For removal of

Floor tile and underlying mastic	2,440 sf @ 2/sf	4,880.
Mastic underlying corner vinyl partition molding	20 sf @ 7.5/sf	150.
	TOTAL ABATEMENT FEE (CONTRACTOR)	**$ 5,030.**
	INDUSTRIAL HYGIENE SERVICES FEE	**1,000.**
	TOTAL ESTIMATED COSTS	**$ 6,030.**

Immediate removal of these materials is not recommended at this time.

Operations and Maintenance Program Cost:

Following implementation of the Operations and Maintenance Program and associated training, the annual cost of the Operations and Maintenance Program can vary widely depending on the amount of asbestos present, and on the extent of damage.

Training will be required for all maintenance personnel who will conduct O&M activities (typically consisting of 16 hours). The estimated cost for this training is $300 per person.

A kit with abatement supplies is advisable for conducting O&M activities. The estimated

cost of the purchase of such kits range from $1,800 - $3,000. Once a kit is purchased, the only costs associated with program upkeep will be the labor costs for the building personnel who perform the work and periodic resupply.

LEA Response Action Schedule

The accredited management planner's recommendations for the appropriate response actions at the Cashman School at Pond Hill were provided above.

These recommendations were submitted to the designated person. The LEA has considered these recommendations and adopted them or the alternatives shown for the reasons indicated below and has included a timeline schedule for implementation. In all cases, the selection was made only after a determination that all the alternatives under consideration would protect public health and the environment.

The following response action selection/reason codes have been utilized in the text which follows:

Code	Description
1	The selected action is required by applicable law.
2	To avoid the cost and inconvenience of long-term O&M.
3	To avoid the possibility of future damage.
4	The cost of the selected action compared favorably with the costs of possible alternative actions.
5	Other reasons: (An explanation is provided by the LEA)
P	Patch and Repair
R	Removal
E	Encapsulation
C	Containment/Enclosure
O&M	Operations and Maintenance Program

LEA Response Action Schedule						
Homo. Area ID	Location	Quantity of Material To Be Abated	Response Action Selection	Scheduled Start Date	Scheduled Stop Date	Reason

Designated Person: _____ Date: _____

Summary

As per the AHERA regulation section 763.91, "The LEA shall implement an operations and maintenance, and repair (O&M) program under this section whenever any friable ACBM is present or assumed to be present in a building that it leases, owns, or otherwise uses as a school building. Any material identified as nonfriable ACBM or nonfriable assumed ACBM must be treated as friable ACBM for purposes of this section when the material may become friable as a result of activities performed in the school building.

Contractor Selection Information

In those States which have asbestos abatement contractor certification programs, contractors must possess State certifications for the performance of asbestos abatement projects. Massachusetts has adopted a contractor accreditation program under Section 206 (b) of Title II of the Act. Both consultants and abatement contractors are required by Massachusetts State Law to be licensed or certified in conjunction with individual worker certification and licensure. Building owners must use properly qualified personnel when asbestos work is to be performed. All certifications can be verified through the Massachusetts Department of Labor and Workforce Development (DWLD).

4. SURVEILLANCE AND REINSPECTION

Periodic Surveillance

1. Scheduled surveillance will be performed every six months.

2. The 2 hour awareness training includes the training of personnel to recognize changes in the condition of ACBM or ACM, and to report it to the appropriate supervisor.

3. During the scheduled surveillance, a review of training procedures and protocol should be conducted. This will include notice of any changes in the "state of the art" in the asbestos industry.

4. Non-scheduled surveillance is an ongoing event and all maintenance and custodial personnel should be trained in the correct procedures.

Reinspection

A reinspection of conditions of all ACBM and ACM located in this building by an EPA accredited inspector, is scheduled to be completed every three years. The next reinspection of the Cashman School at Pond Hill must be performed by **August 25, 2003**.

5. NOTIFICATION

AHERA requires that the Management Plan include a description of steps taken to notify workers, building occupants, or their legal guardians about inspections, reinspections, response actions, and post response action activities, including periodic reinspection and surveillance activities that are planned or are in the process of being completed. The following steps have been, or will be, implemented by the LEA:

1. Upon completion of the building inspection report, a written public notification was given to the PTA, all workers and building occupants or their legal guardians.

   Dated: _____.

2. In addition, a notification form is posted in room(s):_____ _____ of the Cashman School at Pond Hill.

3. Notification forms are given for all scheduled response actions and reinspections. Copies of these are retained in the records.

4. All other non-scheduled surveillance, response actions and post response activities are documented within the Management Plan.

Availability of the Management Plan

1. A written notification addressed to parent, teacher, and employee organizations was mailed to the organization on _____.

2. An optional public awareness seminar discussing the Management Plan and related asbestos concerns has been scheduled on:

_____ at _____ in the _____.

APPENDIX A

Asbestos Bulk Sample Analytical Results

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

SCILAB BOSTON, INC.
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

Smith & Wessel Associates, Inc.
Attn: Dan Smith
8 Church Street

Merrimac, MA 01860

Date Received 08/28/2000 **SciLab Job No.** 500082215
Date Examined 08/30/2000 **P.O. #** 00275
Page 1 **of** 13

RE: 00275; Cashman Elem-Day School (Temporary), Amesbury, MA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
01A	500082215-01	*No*	NAD
1	**Location:** 2nd Floor Grade 3 Mrs. Ferrancini		
	Description: Yellow, Homogeneous, Yellow Carpet Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
01B	500082215-02	*No*	NAD
1	**Location:** 2nd Floor Grade 3 Mrs. Ferrancini		
	Description: Yellow, Homogeneous, Yellow Carpet Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
01C	500082215-03	*No*	NAD
1	**Location:** 2nd Floor 3 Mrs. Ferrancini		
	Description: Yellow, Homogeneous, Yellow Carpet Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
02A	500082215-04	*Yes*	5 %
2	**Location:** 2nd Floor Grade 4 Mrs. Gilbert		
	Description: Black, Homogeneous, Blk Mastic on Corner of Par		
	Asbestos Types: Chrysotile 5. %		
	Other Material: Non-fibrous 95. %		
02B	500082215-05		NA/PS
2	**Location:** 2nd Floor Grade 4 Mrs. Gilbert		
	Description: Blk Mastic on Corner of Par		
	Asbestos Types:		
	Other Material:		

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RE: 00275; Cashman Elem-Day School (Temporary), Amesbury, MA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
03A	500082215-06	*No*	NAD
3	**Location:** 2nd Floor Stairwell "A"		
	Description: Black, Homogeneous, Black Tar Paper		
	Asbestos Types:		
	Other Material: Cellulose 50. %, Non-fibrous 50. %		
03B	500082215-07	*No*	NAD
3	**Location:** 2nd Floor Stairwell "A"		
	Description: Black, Homogeneous, Black Tar Paper		
	Asbestos Types:		
	Other Material: Cellulose 50. %, Non-fibrous 50. %		
04A	500082215-08	*No*	NAD
4	**Location:** 2nd Floor Grade 2		
	Description: Brown/White, Homogeneous, 2'x4' White Pin Hole CT		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Fibrous glass 30. %, Non-fibrous 35. %		
04B	500082215-09	*No*	NAD
4	**Location:** 2nd Floor Grade 1 Area		
	Description: Brown/White, Homogeneous, 2'x4' White Pin Hole CT		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Fibrous glass 30. %, Non-fibrous 35. %		
04C	500082215-10	*No*	NAD
4	**Location:** 2nd Floor Grade 2 McCarthy		
	Description: Brown/White, Homogeneous, 2'x4' White Pin Hole CT		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Fibrous glass 30. %, Non-fibrous 35. %		

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
05A	500082215-11	*No*	NAD
5	**Location:** 2nd Floor Secretaries Area		
	Description: Brown/White, Homogeneous, 2'x2' White Ceiling Tile		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		
05B	500082215-12	*No*	NAD
5	**Location:** 2nd Floor Secretaries Area		
	Description: Brown/White, Homogeneous, 2'x2' White Ceiling Tile		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		
06A	500082215-13	*No*	NAD
6	**Location:** 2nd Floor Library		
	Description: Off-White, Homogeneous, 2'x2' Textured Ceiling Tile		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Fibrous glass 70. %, Non-fibrous 25. %		
06B	500082215-14	*No*	NAD
6	**Location:** 2nd Floor Library		
	Description: Off-White, Homogeneous, 2'x2' Textured Ceiling Tile		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Fibrous glass 70. %, Non-fibrous 25. %		
07A	500082215-15	*No*	NAD
7	**Location:** 2nd Floor Assistant Principals Office		
	Description: Brown/White, Homogeneous, 2'x2' White Decorative CT		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Fibrous glass 30. %, Non-fibrous 35. %		

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RE: 00275; Cashman Elem-Day School (Temporary), Amesbury, MA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
07B	500082215-16	*No*	NAD
7	**Location:** 2nd Floor Assistant Principals Office		
	Description: Brown/White, Homogeneous, 2'x2' White Decorative CT		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Fibrous glass 30. %, Non-fibrous 35. %		
08A	500082215-17	*No*	NAD
8	**Location:** 2nd Floor Grade 1 Area		
	Description: Brown/White, Homogeneous, 2'x4' White Wavy Ceiling Tile		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		
08B	500082215-18	*No*	NAD
8	**Location:** 2nd Floor Grade 2 Grady		
	Description: Brown/White, Homogeneous, 2'x4' White Wavy Ceiling Tile		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		
08C	500082215-19	*No*	NAD
8	**Location:** 2nd Floor Grade 2 McCarthy		
	Description: Brown/White, Homogeneous, 2'x4' White Wavy Ceiling Tile		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		
09A	500082215-20	*No*	NAD
9	**Location:** 2nd Floor Elevator Lobby		
	Description: Green, Homogeneous, 12"x12" FT (Green)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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Date Examined 08/30/2000 **P.O.#** 00275

RE: 00275; Cashman Elem-Day School (Temporary), Amesbury, MA

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09B	500082215-21	*No*	NAD
9	**Location:** 2nd Floor Elevator Lobby		
	Description: Green, Homogeneous, 12"x12" FT (Green)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
10A	500082215-22	*No*	NAD
10	**Location:** 2nd Floor Elevator Lobby		
	Description: Yellow, Homogeneous, Yellow FT Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
10B	500082215-23	*No*	NAD
10	**Location:** 2nd Floor Elevator Lobby		
	Description: Yellow, Homogeneous, Yellow FT Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
11A	500082215-24	*No*	NAD
11	**Location:** 2nd Floor Outside Kitchen		
	Description: Brown, Homogeneous, Brown Baseboard		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
11B	500082215-25	*No*	NAD
11	**Location:** 2nd Floor Outside Kitchen		
	Description: Brown, Homogeneous, Brown Baseboard		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
12A	500082215-26	*No*	NAD
12	**Location:** 2nd Floor Outside Kitchen		
	Description: Yellow, Homogeneous, Yellow BB Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
12B	500082215-27	*No*	NAD
12	**Location:** 2nd Floor Outside Kitchen		
	Description: Yellow, Homogeneous, Yellow BB Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
13A	500082215-28	*No*	NAD
13	**Location:** 2nd Floor Elevator Lobby		
	Description: Yellow, Homogeneous, Yellow BB Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
13B	500082215-29	*No*	NAD
13	**Location:** 2nd Floor Elevator Lobby		
	Description: Yellow, Homogeneous, Yellow BB Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
14A	500082215-30	*No*	NAD
14	**Location:** 2nd Floor Elevator Lobby		
	Description: Green, Homogeneous, Green Baseboard		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
14B	500082215-31	*No*	NAD
14	**Location:** 2nd Floor Elevator Lobby		
	Description: Green, Homogeneous, Green Baseboard		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
15A	500082215-32	*No*	NAD
15	**Location:** 2nd Floor Stairwell "A" Landing		
	Description: Brown, Homogeneous, 12"x12" FT (Brown)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
15B	500082215-33	*No*	NAD
15	**Location:** 2nd Floor Stairwell "A" Landing		
	Description: Brown, Homogeneous, 12"x12" FT (Brown)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
16A	500082215-34	*No*	NAD
16	**Location:** 2nd Floor Stairwell "A" Landing		
	Description: Yellow, Homogeneous, Yellow FT Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
16B	500082215-35	*No*	NAD
16	**Location:** 2nd Floor Stairwell "A" Landing		
	Description: Yellow, Homogeneous, Yellow FT Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
17A	500082215-36	*No*	NAD
17	**Location:** 2nd Floor Womens Bathroom		
	Description: Brown, Homogeneous, 12"x12" FT (Brown)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
17B	500082215-37	*No*	NAD
17	**Location:** 2nd Floor Womens Bathroom		
	Description: Brown, Homogeneous, 12"x12" FT (Brown)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
18A	500082215-38	*No*	NAD
18	**Location:** 2nd Floor Womens Bathroom		
	Description: Yellow, Homogeneous, Yellow FT Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
18B	500082215-39	*No*	NAD
18	**Location:** 2nd Floor Womens Bathroom		
	Description: Yellow, Homogeneous, Yellow FT Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
19A	500082215-40	*No*	NAD
19	**Location:** 2nd Floor Mens Bathroom		
	Description: Brown, Homogeneous, 12"x12" FT (Brown-2nd Layer)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
19B	500082215-41	*No*	NAD
19	**Location:** 2nd Floor Mens Bathroom		
	Description: Brown, Homogeneous, 12"x12" FT (Brown-2nd Layer)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
20A	500082215-42	*No*	NAD
20	**Location:** 2nd Floor Mens Bathroom		
	Description: Yellow, Homogeneous, Yellow FT Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
20B	500082215-43	*No*	NAD
20	**Location:** 2nd Floor Mens Bathroom		
	Description: Yellow, Homogeneous, Yellow FT Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
21A	500082215-44	*No*	NAD
21	**Location:** 2nd Floor Mens Bathroom		
	Description: Grey, Homogeneous, 12"x12" FT (Grey)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
21B	500082215-45	*No*	NAD
21	**Location:** 2nd Floor Mens Bathroom		
	Description: Grey, Homogeneous, 12"x12" FT (Grey)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
22A	500082215-46	*No*	NAD
22	**Location:** 2nd Floor Mens Bathroom		
	Description: Yellow, Homogeneous, Yellow FT Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
22B	500082215-47	*No*	NAD
22	**Location:** 2nd Floor Mens Bathroom		
	Description: Yellow, Homogeneous, Yellow FT Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
23A	500082215-48	*No*	NAD
23	**Location:** 2nd Floor Cafe Services		
	Description: Off-White, Homogeneous, White Gypsum Board		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Fibrous glass 5. %, Non-fibrous 90. %		
23B	500082215-49	*No*	NAD
23	**Location:** 2nd Floor Cafe Services		
	Description: Off-White, Homogeneous, White Gypsum Board		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Fibrous glass 5. %, Non-fibrous 90. %		
23C	500082215-50	*No*	NAD
23	**Location:** 2nd Floor Teachers Room		
	Description: Off-White, Homogeneous, White Gypsum Board		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Fibrous glass 7. %, Non-fibrous 88. %		

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
23D	500082215-51	*No*	NAD
23	**Location:** 2nd Floor Spanish		
	Description: Off-White, Homogeneous, White Gypsum Board		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Fibrous glass 5. %, Non-fibrous 90. %		
23E	500082215-52	*No*	NAD
23	**Location:** 2nd Floor Grade 4 Gilbert		
	Description: Grey, Homogeneous, White Gypsum Board		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Fibrous glass 3. %, Non-fibrous 92. %		
23F	500082215-53	*No*	NAD
23	**Location:** 2nd Floor Chase Area		
	Description: Off-White, Homogeneous, White Gypsum Board		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Fibrous glass 5. %, Non-fibrous 90. %		
23G	500082215-54	*No*	NAD
23	**Location:** 2nd Floor Secretaries Area		
	Description: Off-White, Homogeneous, White Gypsum Board		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Fibrous glass 5. %, Non-fibrous 90. %		
24A	500082215-55	*No*	NAD
24	**Location:** 2nd Floor Cafe Services		
	Description: Off-White, Homogeneous, White Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
24B	500082215-56	*No*	NAD
24	**Location:** 2nd Floor Cafe Services		
	Description: Off-White, Homogeneous, White Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
24C	500082215-57	*No*	NAD
24	**Location:** 2nd Floor Grade 4 Gilbert		
	Description: Off-White, Homogeneous, White Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
24D	500082215-58	*No*	NAD
24	**Location:** 2nd Floor Teachers Room		
	Description: Off-White, Homogeneous, White Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
24E	500082215-59	*No*	NAD
24	**Location:** 2nd Floor Secretaries Area		
	Description: Off-White, Homogeneous, White Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
24F	500082215-60	*No*	NAD
24	**Location:** 2nd Floor Chase Area		
	Description: Off-White, Homogeneous, White Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
24G	500082215-61	*No*	NAD

24 **Location:** 2nd Floor Spanish

Description: Off-White, Homogeneous, White Joint Compound
Asbestos Types:
Other Material: Non-fibrous 100. %

Reporting Notes:

Analyzed by: Corey A. Barnett Corey A Barnett

*NAD/NSD = no asbestos detected; NA = not analyzed; Bulk Asbestos Analysis per 40 CFR 763, Subpart F, Appendix A and ELAP Analysis Protocols 198.1/198.4 for New York samples; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This report relates ONLY to the items tested.

Reviewed by:

APPENDIX B

Operations and Maintenance Program

INTRODUCTION

Cashman School at Pond Hill located on Haverhill Road in Amesbury, Massachusetts has established an overall asbestos control program that is designed to minimize exposure of all occupants to asbestos fibers. This Operations and Maintenance (O&M) Plan is an integral part of the overall program. It sets guidelines for the proper in-place management of all assumed and identified asbestos-containing building materials (ACBM) located in the building.

This O&M plan contains the following sections:

A. A description of the **duties of the Designated Person.**

B. A procedure for **notifying** workers, tenants, and other visitors where ACBM are located, and stressing the importance of avoiding disturbing the ACBM in any way.

C. The detailed description of **O&M Activities,** including:

   1. **Emergency procedures** for both major and minor episodes of fiber release;
   2. **Periodic surveillance** of ACBM, so that any changes in the condition of ACBM can be noted, assessed, and documented; and
   3. Detailed descriptions of **work procedures** that must be used so that workers can avoid or minimize fiber release when performing activities that may disturb ACBM.

D. A list of **records** that must be kept to document O&M and abatement activities.

E. **Training requirements** for the Designated Person, and custodial and maintenance staff.

It is the express policy of the Cashman School at Pond Hill that no employee or outside contractor shall remove any ACBM except as part of a small scale, short duration maintenance or repair operations. These routine operations are more fully described in Section 3 of this O&M Program.

Details pertaining to the locations of all known and assumed ACBM are provided in Table 1 in Appendix D of this O&M plan.

1. DUTIES OF ASBESTOS PROGRAM MANAGER

The Designated Person oversees the implementation and management of the O&M plan. Duties of the Designated Person include notifying building tenants, workers, and outside contractors where ACBM are located in the building; assigning workers to tasks involving work that may disturb ACBM; ensuring that abatement and O&M activities are conducted by trained, qualified personnel; and keeping records of all asbestos-related activities at the property.

The Designated Person must receive training related to asbestos issues. (see Section 5, "Training Requirements" of this plan).

2. NOTIFICATION

The Designated Person shall ensure that building workers, outside contractors, and tenants are notified of the location, quantity, and physical condition of identified and assumed ACBM that they might disturb. The Designated Person shall notify building occupants of the locations of ACBM in writing, by personal communication, by posting signs at entrances to mechanical areas, and/or by labeling ACBM. By informing occupants of potential hazards in their vicinity, the notification reduces the possibility that occupants will accidentally disturb ACBM. The notification must stress that persons who disturb ACBM may accidentally release asbestos fibers into the air, and that therefore everyone must avoid disturbing ACBM. This notification will assure compliance with Occupational Health and Safety Administration (OSHA) Regulation 29 CFR Part 1926.1101, which regulates asbestos exposure as it relates to construction work and with 29 CFR 1910.1001, which regulates asbestos exposure in general industry (including normal housekeeping).

If asbestos-related construction, abatement, or O&M activities are conducted, the designated person shall also notify the following persons about the presence, location, and quantity of ACBM:

A. Employees of the building, such as maintenance and custodial personnel who will work in or adjacent to areas containing ACBM.

B. Tenants who will occupy areas containing ACBM.

C. Prospective employers applying for or bidding for work if their employees will be expected to work in or adjacent to areas containing ACBM.

D. Multiple employers occupying a work-site in the building, any of whose employees will be performing work within or adjacent to areas containing ACBM.

Before conducting any work in the building that has the potential to impact ACBM, contractors will be required to sign the Contractor's Asbestos Notification and Acknowledgment Form (see Appendix C). In addition, all contractors and contractor's employees who work on the site will be required to notify the Designated Person of the presence, location, and quantity of newly discovered ACBM within 24 hours (or sooner if ACBM is disturbed) of the discovery. If any building materials are discovered, the asbestos content of which is unknown, the material shall be presumed to contain asbestos, until the results of sampling and analysis prove otherwise. Appropriate sampling of the material shall be conducted by a Massachusetts-accredited asbestos inspector and analyzed at a Massachusetts-licensed asbestos analytical laboratory.

The Designated Person shall ensure that all required warning signs are posted during abatement and O&M activities during which the release of asbestos fibers into the air is possible. Warning signs shall demarcate all regulated areas and shall bear the following information:

DANGER
ASBESTOS
CANCER AND LUNG DISEASE HAZARD
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE
CLOTHING ARE REQUIRED IN THIS AREA

Contractors and in-house personnel who remove ACBM within the site shall label all waste containers that contain ACBM waste in accordance with OSHA and EPA guidelines.

The Designated Person shall ensure that all previously installed ACBM that has been identified in the facility shall also be labeled, as feasible. All ACBM that are friable (easily crumbled, crushed, or reduced to powder by hand pressure) and accessible, such as TSI located in mechanical areas or below suspended ceilings, will be labeled. Labels shall be attached to or posted in areas where they will clearly be noticed by employees who are likely to be exposed (such as at the entrance to mechanical rooms) The labels shall bear the following information:

DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD

Posted signs shall also indicate the type and location of each ACBM.

3. OPERATIONS AND MAINTENANCE ACTIVITIES

Operations and maintenance activities include:

A. Emergency procedures to be followed in the event of a major or minor episode of fiber release;

B. Periodic surveillance of ACBM within the site;

C. Work procedures associated with planned maintenance activities that may disturb ACBM. Operations and maintenance activities shall be conducted **only** by properly trained personnel under the control and direction of the Designated Person.

To conduct O&M activities, equipment and supplies necessary to perform these tasks will be necessary. The following are suggested:

1. Vacuum equipped with High Efficiency Particulate Air (HEPA) filter
2. Rolls of 6 mil polyethylene sheeting
3. 6 mil polyethylene bags labeled with an asbestos material warning sign
4. NIOSH approved ½ face cartridge respirators with filters approved for asbestos dust
5. Garden sprayer for misting
6. Surfactant
7. Full body disposable protective clothing
8. Caution signs conforming with current OSHA regulations (1926.58)
9. A fully contained glovebag for removal of asbestos-containing pipe covering

A. Emergency Procedures for Fiber Release Episodes

Fiber release episodes are categorized as *major* (the falling or dislodging of *more than* 3 square feet or 3 linear feet of friable ACBM), or *minor* (the falling or dislodging of *fewer than* 3 square feet or 3 linear feet of friable ACBM)

PROCEDURE FOR MAJOR EPISODE

1. Restrict entry into the area.
2. Immediately contact the Designated Person.
3. Post signs to prevent any one from entering the area except persons necessary to perform the response action.
4. Shut off or temporarily modify the air-handling system to prevent the fibers from being distributed to other areas in the building.
5. The Designated Person shall contact an accredited designer of abatement to prepare an abatement plan that specifies the appropriate response actions.
6. The Designated Person shall ensure that only a licensed Asbestos Abatement Contractor conducts the response actions.

PROCEDURE FOR MINOR EPISODE

1. Thoroughly saturate the debris using all wetting methods necessary.
2. Clean the area using wet wiping techniques followed by vacuuming with a specially equipped High Efficiency Particulate Air (HEPA) vacuum.
3. Place all debris and all contaminated cleaning supplies (mop heads, rags, etc.) into a leaktight container, such as a 6-mil thick polyethylene waste bag, and seal the container. Place the sealed container into a second 6-mil thick

polyethylene bag. If labeled waste bags are not used, apply warning label to outside of each bag used.

4. Repair the area of damaged ACBM:

   Use materials such as asbestos-free sparkling, plaster, cement, or insulation; or

   Seal the area with latex paint or an encapsulant; or

   Immediately implement other appropriate response action.

B. Periodic Surveillance

Periodic surveillance of all known and assumed ACBM shall be conducted once every six months. The purpose of the regularly scheduled surveillance is to ensure that any ACBM that are damaged or that have deteriorated are detected in a timely manner. The Designated Person shall use the information from the periodic surveillance in conjunction with ongoing reports from service workers of changes in the condition of the ACBM to take corrective action.

The periodic surveillance consists of a visual inspection of all known and assumed ACBM. Periodic surveillance shall also include a visual and physical evaluation of ACBM in order to determine the degree of damage and to assess the likelihood of future fiber release. The area in the immediate vicinity shall also be examined for potential loose ACBM debris. The Designated Person shall record the cause of the damage.

Only persons who have received at least the minimum asbestos-awareness training (see Section 5, "Training Requirements", of this plan) shall conduct the periodic surveillance. The results of the surveillance shall be recorded on the periodic surveillance inspection form (Appendix A).

C. Work Procedures

The following work practices shall be prohibited in all circumstances:

- Drilling holes in ACBM;
- Hanging plants or pictures on structures covered with ACBM;
- Sanding, dry buffing, or abrading asbestos-containing floor tile;
- Damaging ACBM while moving furniture or other objects;
- Installing curtains drapes or dividers in such a way that they damage ACBM;
- Sweeping or dusting floors, ceilings, moldings, or other surfaces in asbestos-contaminated environments;
- Using an ordinary vacuum to clean up asbestos-containing or asbestos contaminated debris (*only vacuums equipped with a HEPA filter should be used*);

- Removing ceiling tiles that are potentially contaminated with asbestos-containing debris or are located below damaged, friable ACBM, without using procedures and equipment that protect personnel;
- Removing potentially contaminated ventilation system filters without thoroughly wetting them; and
- Shaking potentially contaminated ventilation system filters.

Nonfriable ACBM

This section outlines five required procedures associated with various maintenance tasks involving each type of known or assumed nonfriable ACBM so that workers handling them do not cause release of fibers into the air. These procedures involve floor tile, mastic adhesives associated with floor coverings and mastic associated with vinyl corner partition molding containing ACBM.

1. **Removing small amounts of asbestos-containing floor tile and/or underlying mastic**

BEFORE BEGINNING WORK

A. The following activities are required before beginning **any** procedure:

1. Inspect work area for dust or debris. If any dust or debris is visible, immediately notify Designated Person, and stop work at once.
2. Complete the following forms:
   a) Maintenance Work Authorization Form (Appendix B)
   b) Work Notification(s)
   c) Work Schedules
3. Review the work practices for this procedure as well as all general work practices this procedure may require.
4. Shut off and lock out any HVAC or electrical systems to be worked on.

B. Assemble the following tools, equipment, and materials:

Weighted scraper with long handle
Wall scraper with short handle and stiff blade 2"-3" wide (50-75 mm)
Commercial hand-held hot air blower or radiant heat source
Safety glasses
Wet/dry type HEPA vacuum with hose and attachments with metal floor tool
Garden sprayer with amended water
Hammer

3. Remove the mastic
    a) Use amended water to adequately wet the area where tiles were removed.
    b) Wet-scrape the area with a stiff-bladed wall or floor scraper, and remove ridges and any loose adhesive.
    c) Wet-vacuum any standing water with the HEPA vacuum cleaner.
    d) Continue until the residual mastic is a thin, smooth film without obvious ridges or puddles. (If new resilient floor tile is to be installed over a concrete subfloor using an asphaltic adhesive, the residual mastic must look like a smooth, thin film.)
    e) Clean the affected floor area with the HEPA vacuum cleaner, using the metal floor tool (not a brush tool) to remove debris.
4. Install new resilient floor tile using an asphaltic adhesive.
5. Perform required cleanup and tear-down to complete work.

DISPOSAL

A. Place (without breaking) the removed tile into disposal bags or containers that will be used for disposal. (Removed tiles can first be placed in empty tile cartons and then placed in disposal bags.)
B. To prevent tearing the bag, place a maximum of one full carton of removed tile in a bag.
C. Transport waste containers to the designated holding area for storing waste. No waste may be transported from the site except by a hauler who is licensed to transport asbestos-containing wastes and to dispose of them in an approved landfill.

2. Wet-stripping floor wax from asbestos-containing floor tile

BEFORE BEGINNING WORK

A. The following activities are required before beginning any procedure:
    1. Inspect work area for dust or debris. If any dust or debris is visible, immediately notify Designated Person, and stop work at once.
    2. Complete the following forms:
        a) Maintenance Work Authorization Form (Appendix B)
        b) Work Notification(s)

c) Work Schedules

3. Review the work practices for this procedure as well as all general work practices this procedure may require.
4. Shut off and lock out any HVAC or electrical systems to be worked on.

B. Assemble the following tools, equipment, and materials:

Floor stripping machine
Stripping pads (the least abrasive pad possible)
Buckets filled with water (for rinsing)
Mops (for stripping, rinsing, and polishing)
Chemical stripper
Floor wax or finish
Walk-off mats

C. Place these tools, equipment and materials in the work area.

PROCEDURE

A. Measure the area to be stripped. Mix only the amount of chemical stripper recommended for that area.

B. Adequately wet the floor area by using a mop to apply liberal amounts of the solution. Allow the chemical to soak for the amount of time recommended by the manufacturer. If areas become dry during the recommended length of time, reapply the solution to keep the floor adequately wet.

C. After wax or finish has softened, strip the flooring using the least abrasive pad and a low speed setting (175-190 rpm maximum). Work small areas at a time. Keep floor adequately wet while the machine operates. Do not overstrip. Stop stripping when the old wax or finish is removed.

D. Remove dirty stripping solution with wet vacuum or "strip" mop.

E. With "rinse" mop, apply liberal amount of clean water to the stripped area. Remove the rinse water with wet vacuum or mop. Repeat the rinse procedure until the floor looks clean.

F. Place walk-off mats where required to prevent tracking of stripping solution to other areas.

G. Position "Caution - Wet Floor" signs.

H. If some spots of wax or finish remain, restrip those areas.

I. If new flooring will be installed over the stripped floor, do not apply wax or finish. If new flooring will not be installed, apply new wax or finish according to manufacturer's recommendations.

J. Perform required clean up and tear-down to complete the work.

3. Installing new flooring or carpet over asbestos-containing floor coverings

BEFORE BEGINNING WORK

A. The following activities are required before beginning **any** procedure:
   1. Inspect work area for dust or debris. If any dust or debris is visible, immediately notify Designated Person, and stop work at once.
   2. Complete the following forms:
      a) Maintenance Work Authorization Form (Appendix B)
      b) Work Notification(s)
   3. Review the work practices for this procedure as well as all general work practices this procedure may require.
   4. Shut off and lock out any HVAC or electrical systems to be worked on.

B. Assemble the following tools, equipment, and materials:

Floor stripping machine
Stripping pads (the least abrasive pad possible)
Buckets filled with water (for rinsing)
Mops (for stripping, rinsing, and polishing)
Chemical stripping liquid/granules
Floor wax or finish
Walk-off mats
"Caution - Wet Floor" signs
Underlayment or leveling compound
Resilient flooring or carpet

C. Place these tools, equipment and materials in the work area.

PROCEDURE

A. Use a HEPA vacuum to clean the floor-tile area where the new flooring will be installed.

B. Strip wax or finish from existing floor, using Steps A through J of **Procedure 3**, "Wet-stripping floor wax from asbestos-containing floor tile."

C. Use short-handled scraper to level off any minor high spots on the floor. Do **not** sand or grind flooring.

D. Fill any low areas using manufacturers recommended underlayment or leveling compound.

E. Install new flooring or carpet as recommended by manufacturer.

4. Dry-buffing or spray-buffing asbestos-containing floor tile

BEFORE BEGINNING WORK

A. The following activities are required before beginning any procedure:

1. Inspect work area for dust or debris. If any dust or debris is visible, immediately notify Designated Person, and stop work at once.
2. Complete the following forms:
   a) Maintenance Work Authorization Form (Appendix B)
   b) Work Notification(s)
   c) Work Schedules
3. Review the work practices for this procedure as well as all general work practices this procedure may require.
4. Shut off and lock out any HVAC or electrical systems to be worked on.

B. Assemble the following tools, equipment, and materials:

Floor buffing machine
Buffing Pads (the least abrasive: tan, red, or equivalent)
Buckets with mop wringer
Mops (for damp- or spot-mopping)
"Caution - Wet Floor" signs
Chemical cleaner
Hand-held scraper
Spray-buffing compound, appropriately diluted
Polishing and restorer chemical, compatible with spray-buffing compound

C. Place these tools, equipment and materials in the work area.

CAUTION: *Do not buff damaged flooring. Any loose or damaged flooring should be repaired or replaced before buffing is started. This practice assumes that the floor has adequate coats of polish, and that the flooring itself will not be damaged or contacted by the buffing equipment. If any flooring damage occurs during buffing, stop work and make repairs using applicable work practices.*

PROCEDURE

A. Pick up any large loose debris and place into disposal bags. Using scraper and water, remove all foreign matter (gum, tar, stickers, etc.) from the finished surface.

B. Spot- or damp-mop to remove stains and spills.

C. Mix chemical cleaner or restorer with recommended amount of water, and apply according to manufacturer's recommendations. Spot- or damp-mop to remove stains and spills. If dry buffing will be performed, apply restorer chemical as required.

D. Position "Caution - Wet Floor" signs.

E. Allow floor to dry thoroughly.

F. To *spray-buff*, spray small area with spray-buff solution. Buff, using manufacturer's recommended pad or brush at recommended RPM. Work small areas at a time. Repeat procedure until entire area is spray-buffed.

G. To *dry buff*, buff or dry-burnish using manufacturer's recommended pad or brush at recommended RPM.

5. Removing small amounts (three square feet or less) of mastic associated with corner vinyl partition molding

BEFORE BEGINNING WORK

A. The following activities are required before beginning **any** procedure:

1. Inspect work area for dust or debris. If any dust or debris is visible, immediately notify Designated Person, and stop work at once.
2. Complete the following forms:
   a) Maintenance Work Authorization Form (Appendix B)
   b) Work Notification(s)
   c) Work Schedules
3. Review the work practices for this procedure as well as all general work practices this procedure may require.

B. Assemble the following tools, equipment, and materials:

Scraper 2-3" wide stiff blade
Safety glasses
Wet/dry type HEPA vacuum with hose and metal floor attachment
Garden sprayer with amended water

C. Place tools, equipment and materials in the work area.

REMOVAL PROCEDURE

A. Adequately wet corner vinyl molding mastic to be removed using garden sprayer with amended water.

B. Using utility knife or edge of scraper, cut away corner vinyl molding mastic and place into disposal bags. Do not create airborne dust.

C. Remove residual corner vinyl molding mastic using scraper and knife and place into disposal bags.

D. HEPA vacuum and/o wet wipe areas where caulking was removed.

DISPOSAL

Transport packaged waste to the designated holding area for storing waste. No waste may be transported from the site except by a hauler who is licensed to transport asbestos-containing wastes and to dispose of them in an approved landfill.

4. RECORDKEEPING REQUIREMENTS

The building owner shall maintain the following documentation pertaining to ACBM in the facility:

A. All data that are relied upon to demonstrate that suspect ACBM do not in fact contain asbestos.

B. All data communicated and received that identify the locations and quantities of ACBM.

C. All records associated with abatement projects. Utilize form in Appendix F for recordkeeping. Required information includes

- A detailed written description of each preventive measure or response action, including methods used, the location where the measure was taken, reasons for selecting the measure or action, start and completion dates of the work, names and addresses of all contractors involved, and, if applicable, their State accreditation numbers, and if ACBM is removed,

the name and location of the storage or disposal site of the ACBM.

D. The name and signature of any person collecting any air sample required to be collected at the completion of certain response actions specified by AHERA, the locations where samples were collected, date of collection, the name and address of the laboratory analyzing the samples, the date of analysis, the results of the analysis, the method of analysis, the name and signature of the person performing the analysis, and a statement that the laboratory meets the requirements of AHERA.

E. For each person required to be trained under AHERA, the Asbestos Coordinator, as the LEA representative, shall provide the person's name and job title, the date that training was completed by that person, the location of the training and the number of hours completed in such training.

F. For each time that periodic surveillance is performed, the name of each person performing the surveillance, the date of the surveillance and any changes in the conditions of the materials shall be recorded.

G. For each time that Operations and Maintenance activities are performed, the Asbestos Coordinator, as the Local Education Agency's representative, shall record the name of each person performing the activity, the start and completion dates of the activity, the locations where such activity occurred, a description of the activity including preventive measures used, and if ACBM is removed, the name and location of the storage or disposal site of the ACBM.

H. For each fiber release episode, the date and location of the episode, the method of repair, preventive measures or response actions taken, the name of each person performing the work, and if ACBM is removed, the name and location of the storage or disposal site of the ACBM.

These documents shall be maintained during the term of ownership. They shall then be transferred to successive owners, in accordance with OSHA Regulation 1926.1101 (n).

If the owner's employees conduct activities that may potentially cause them to be exposed to asbestos fibers, the owner shall keep the following additional records:

A. All employee exposure-monitoring records pursuant to OSHA Regulation 1926.1101 (f).

B. All information relative to medical surveillance of employees pursuant to OSHA Regulation 1926.1101 (m). Medical surveillance shall be required only if:

1) employees are required to conduct tasks that would result in their exposure to airborne concentrations of asbestos above the OSHA permissible exposure limit (PEL); or

2) if employees conduct asbestos abatement tasks for more than 30 days per year.

C. The owner shall maintain all employee training records for one year beyond the employee's last date of employment.

5. TRAINING REQUIREMENTS

The extent of asbestos training for facility employees depends on the types of asbestos-related activities they will conduct. For most employees who will require training, a two-hour **awareness course** will be sufficient but necessary. For employees who are involved in activities where exposure to airborne asbestos fibers is likely, a more **comprehensive** 16-hour **training course** is necessary.

Awareness Training

The curriculum shall include instruction in the following:

A. The location, quantity, and physical condition of all ACBM located in the facility.

B. Recognition of damage, deterioration, and delamination of ACBM.

C. The health effects associated with asbestos exposure, including the relationship between smoking and asbestos in producing lung cancer.

D. The nature of operations that could result in exposure to asbestos, and the importance of necessary protective controls and of procedures for minimizing exposure, including:

engineering controls,
work practices,
respirators,
housekeeping procedures,
hygiene facilities,
protective clothing,
decontamination procedures,
emergency procedures,
waste disposal procedures,

and any necessary instruction in the use of these controls and procedures, including those described in Section 3 of this document.

E. The purpose, proper use, fitting instructions, and limitations of respirators.

F. Medical surveillance program requirements.

G. The contents of the OSHA standard (1926.1101) regarding asbestos in construction.

H. The requirements for posting signs and affixing labels, and the meaning of the required legends for such signs and labels.

Comprehensive Worker Training

The curriculum shall include instruction in the following:

A. All awareness training information described above.

B. Procedures to be implemented in the event of a minor or major episode of fiber release.

C. Hands-on training in the use of respiratory protection, other personal protection measures, and good work practices.

D. Detailed procedures for conducting small-scale, short duration abatement activities, as defined in Appendix A to Subpart E to EPA Regulation 40 CFR Part 763.

Appendix A

Periodic Surveillance Form

CASHMAN SCHOOL AT POND HILL, AMESBURY, MA

Building _____ Inspector _____

Floor _____ Date _____

Type of ACBM	Condition		Comments
	Change	No Change	

ND No damage observed
MD Minor damage - report to Designated Person
SD Significant damage - isolate area and immediately report to Designated Person

Appendix B

Maintenance Work Authorization Form •• No. _____

AUTHORIZATION

Authorization is given to proceed with the following maintenance work:

_____

_____

_____

_____

_____

_____

_____

PRESENCE OF ASBESTOS-CONTAINING MATERIALS

_____ Asbestos-containing materials are not present in the vicinity of the maintenance work.

_____ ACM are present but their disturbance is not anticipated: however, if conditions change, the Asbestos Program Manager will reevaluate the work request before proceeding.

_____ ACM are present and may be disturbed.

Work Practice if Asbestos-Containing Materials Are Present

The following work practices shall be employed to avoid or minimize disturbing asbestos:

_____

_____

_____

_____

Personal Protection if Asbestos-Containing Materials Are Present

The following equipment/clothes shall be used/worn during the work to protect workers:

_____

_____

_____

_____

Special Practices and/or Equipment Required:

_____

_____

_____

Signed:_____ Date:_____

(Asbestos Program Manager)

Appendix C

Contractor's Asbestos Notification and Acknowledgment Form

for the following work _____ (Project)
at the Cashman School at Pond Hill, Amesbury, Massachusetts

On behalf of _____, the undersigned hereby acknowledges the presence and location of asbestos-containing building materials (ACBM) within the building at the Cashman School at Pond Hill, Amesbury, Massachusetts as further described herein. The undersigned agrees to avoid any contact with, or disturbance of ACBM and to inform, and require, the same of all employees of the above named company accordingly before they start any work in the building.

Based on an asbestos inspection conducted by the Owner's Environmental Consultant, ACBM is known or assumed to be present as described below.

Cashman School at Pond Hill

- Mastic underlying corner vinyl partition molding
- 12" x 12" floor tile
- Mastic under floor tiles

Any activities that could disturb these materials, including but not necessarily limited to, (1) mounting fixtures or other objects into, drilling through, or otherwise disturbing asbestos-containing floor tile (2) removing or cutting into corner vinyl partition molding, and (3) removing any ACBM are prohibited.

If you encounter any material that you suspect is ACBM or disturb any suspect or known ACBM in the course of your work, you agree to immediately stop your work and notify the project superintendent and building management.

The return of one signed copy of this Notice constitutes your receipt of the above information and your agreement with the requirements contained herein.

Receipt Acknowledged by (Type or Print Name): _____

Signature: _____ Date: _____

Title (Type or Print): _____

Company Name (Type or Print): _____

Company Address (Type or Print): _____

Company Telephone Number (Type or Print): _____

Appendix D

Inventory of ACBM

TABLE 1. • LIST OF KNOWN OR PRESUMED ACBM

Type of Material	Location(s) observed	Quantity
Mastic underlying corner vinyl partition molding	Located throughout the grade 4 classroom area	20 sf
12" x 12" white vinyl floor tile and associated mastic	Located in cafeteria services.	1,400 sf
12" x 12" light brown speckled floor tile and associated mastic	Located in the grade 3 open classroom area.	1,040 sf

Hidden areas, such as the spaces behind walls, above fixed ceilings, under carpet or wood floors, typically were not inspected. Thus, additional ACBM may be present that are not identified in Table 1 above. If other suspect materials are discovered in the future they should be assumed to be asbestos-containing until tested to determine if asbestos is present.

Representative sampling and analysis are necessary to definitively determine the asbestos content of suspect materials.

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

For

Charles C. Cashman Elementary School
193 Lions Mouth Road
Amesbury, Massachusetts 01913

Prepared for:

DiNisco Design, Inc.
99 Chauncy Street
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Prepared by:

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September 13, 2018

ECMS Project No. 1009.073

This report has been prepared for the exclusive use of DiNisco Design and their client the City of Amesbury, Massachusetts. Environmental & Construction Management Services, Inc. acknowledges that DiNisco Design and the City of Amesbury may rely on this report. Photocopying of this document by parties other than those designated by DiNisco Design and the City of Amesbury, or use of this document for purposes other than intended, is prohibited without the prior written consent of Environmental & Construction Management Services, Inc

Environmental & Construction
Management Services, Inc.

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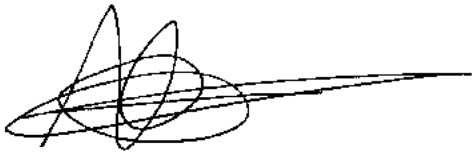
CERTIFICATION OF RESULTS

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

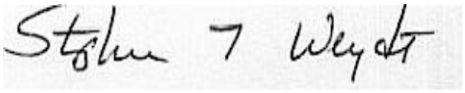
ECMS professional services have been performed, our findings obtained, and our recommendations prepared by an environmental professional in accordance with the U. S. Environmental Protection Agency's (EPA) All Appropriate Inquiry (AAI) Rule and customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties either expressed or implied. *ECMS* is not responsible for the independent conclusions, opinions or recommendations made by others based on the records review, site inspection, field exploration, and laboratory test data presented in this report.

Respectfully submitted this 13th day of September 2018.

For ***Environmental & Construction Management Services, Inc.*** by



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



Stephen T. Weydt
Principal Environmental Scientist

EXECUTIVE SUMMARY

Environmental & Construction Management Services, Inc. (ECMS) has performed a Phase I Environmental Site Assessment (ESA) for the Amesbury Elementary (AE) School property located at 193 Lions Mouth Road in Amesbury, Massachusetts (herein after referred to as the Site). This assessment was performed to evaluate the likelihood of a release and/or threat of release of oil and/or hazardous materials at the Site pursuant to the Massachusetts General Law, Chapter 21E (MGL Chapter 21E) and the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000.

The site assessment work described in this report was conducted for *DiNisco Design, Inc. (DiNisco)* between August 15 and September 13, 2018 in accordance with *ECMS'* proposal EC18-024 dated April 13, 2018. This work was performed in conformance with the scope and limitations of the most recent ASTM Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process Document E-1527-13 and EPA's All Appropriate Inquiry (AAI) Final Rule (effective as of November 1, 2006).

The purpose of the investigation was to identify possible conditions that would be indicative of releases of oil and/or hazardous materials and threatened releases of oil and/or hazardous materials on, at, in or to the Site. The investigation included inspection of the Site and the exterior of adjacent properties, interviews with Site staff and regulatory officials, review of appropriate Federal, State, and local historical and environmental records. This assessment revealed the following:

Findings

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

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

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

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

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

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

An *environmental issue* refers to environmental concerns identified by *ECMS*, which do not qualify as RECs; however, warrant further discussion.

- *ECMS* did not identify any environmental issue during the course of this assessment.

Conclusions, Opinions and Recommendations

This assessment has not revealed evidence of recognized environmental conditions and environmental issues in connection with the subject property. *ECMS* recommends no further actions.

1.0 PURPOSE AND SCOPE OF WORK

1.1 Purpose

This report provides the results of a Phase I Environmental Site Assessment (ESA) performed for the Cashman Elementary School property located at 193 Lions Mouth Road in Amesbury, Massachusetts 01913. This assessment was conducted to identify possible conditions that would be indicative of releases of oil and/or hazardous materials and threatened releases of oil and/or hazardous materials on, at, in or to the Site.

In conducting this assessment, *ECMS* followed the E1527-13 American Society for Testing and Materials (ASTM) document entitled "Standard Practices for Environmental Site Assessments: Phase I Environmental Site Assessment Process" for commercial real estate, as well as the All Appropriate Inquires (AAI) Final Rule of November 1, 2005. Any exceptions to, or deletions from, this practice are described in Section 1.4 of the report.

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

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

As part of the AAI Final Rule, Phase I ESAs must be conducted by or under the supervision of a qualified environmental professional. The AAI Final Rule defines an environmental professional as someone who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases on, at, in, or to a property, sufficient to meet the objectives and

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

1.2 Scope of Work

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

- Site inspection and interviews of knowledgeable key site personnel to document the current and past land use and operations from building types and uses; the location and status of underground and aboveground storage tanks, visual evidence of subsurface or surface contamination, such as areas of visibly distressed vegetation and soil staining; types, quantities, and locations of oil or hazardous materials, including polychlorinated biphenyls (PCBs); and wastes generated, stored or disposed of on or from the Site.

- Review of all available current and historical records to establish the history of the Site and nearby properties for approximately the past 100 years using available federal, state, municipal, private and insurance rate maps; aerial photographs, lists of previous owners or operators or city atlases. A review of title records was not included as part of this investigation.

- Research of technical information concerning the local geologic and hydrologic conditions to determine the likely impact of any actual or potential release on the Site or from neighboring properties and nearby potential environmental receptors such as drinking water supplies, surface water bodies, catch basins and/or detention ponds.

- Review of files held by federal, state and local environmental regulatory agencies for records of past disposal practices; accidental releases, regulatory compliance history, fires, explosions, or other accidents, the status of any current operating or discharge permits; and status of any existing storage tanks.

- Prepare written report for the Site to include site location plan, and pertinent maps, discussions of the Site location and description, site and vicinity history, inspection results, geology and hydrology, and a summary of the environmental regulatory files reviewed.

1.3 Special Terms and Conditions

The site assessment work described in this report was conducted for *DiNisco Design* between August 15 and September 13, 2018 in accordance with *ECMS'* proposal number EC18-024 dated April 13, 2018.

1.4 Limitations and Exceptions of Assessment

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

It is the opinion of *ECMS* that no data gaps were identified in the information reviewed and/or obtained during this investigation that would adversely affect the ability of the environmental professional to identify conditions indicative of releases or threatened releases of hazardous substances on, at, in or to the Site.

1.5 User Reliance

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

1.6 Qualifications of Environmental Personnel

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

2.0 PROPERTY DESCRIPTION

2.1 Location and Legal Description of the Site

The Site is an irregularly-shaped 35.32-acre parcel of land located at 193 Lions Mouth Road in Amesbury, Essex County, Massachusetts 01913. According to the City of Amesbury Assessor, the property is listed as parcel 50/6. The Site is occupied by the Charles C. Cashman Elementary School and associated athletic fields, playground, parking lots and landscaped areas. Refer to Figure 2 entitled Lot Location Plan.

The Site is depicted on the 7.5 x 15-minute U.S.G.S. topographic quadrangle for Newburyport, Massachusetts dated 1987. The Universal Transverse Mercator (UTM) coordinates of the Site within zone 19 are approximately 4,746,558 meters north latitude and 340,818.9 meters east longitude or 42° 51' 26.06'' north latitude and 70° 56' 54.07'' west longitude. Elevation at the site is approximately 105 feet above mean sea level (amsl). Figure 1 includes both a Site Locus Plan (a section of the USGS Newburyport Quadrangle) and a Street Location Map of the Site. The Site and surrounding properties are shown on Figure 2, Lot Location Plan attached to this report.

2.2 Site and Vicinity Characteristics

The Site is currently occupied by the City of Amesbury Cashman Elementary School housing grades Pre-kindergarten through 4 (approximately 458 children). The Site is located within OSC – Open Space Conservancy. The school building is surrounded by a driveway and associated paved parking lots, a playground area and grass athletic field. Woodsom Farm to the west, and is accessed from Lions Mouth Road to the South. The north edge of the site is steeply sloping forested hill with an intermittent steam at the base. The Site is surrounded with pockets of densely settled residential neighborhoods.

No existing commercial printing facilities, gasoline filling/service stations, industrial properties or fuel depots were identified in the immediate vicinity of the subject site. The past uses of these surrounding properties do not pose recognized environmental concerns to the Site.

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

The 2-story school building is 61,472 gross square feet (GSF). The building is constructed of masonry block with brick veneer on slab on grade construction.

Assessor Office records indicate that the main Site building construction was completed in 1975. The school building is currently heated by natural gas and heated through forced air ducts. The roof is asphalt and on the roof are several HVAC units. Records indicate, the building is and always has been heated by natural gas. A copy of the Assessor Property Card is attached as Appendix D.

The nearest surface water bodies to the Site is Lake Gardner that is located approximately 2,500 feet to the north-northeast. According to the City of Amesbury Health Department, there are no know public or private potable water supply wells in the vicinity of the Site.

The City of Amesbury obtains its drinking water from its watershed area that encompasses about 55 square miles; most of which reside in New Hampshire. Tuxbury Pond feeds the Powow River, which the treatment plant draws from. Lake

Attitash and Meadowbrook also supplement the water source seasonally and in times of drought. All of Amesbury's wastewater empties into the their municipal sewer system. The wastewater treatment facility is located at 19 Merrimac Street.

The site is currently supplied with natural gas and serviced by the municipal water and sewer systems.

The existing school building has a sewage ejector system that was observed along the entrance driveway area south of the school.

2.4 Site Ownership

According to City of Amesbury Assessor's records, the subject site is owned by the City of Amesbury as of December 30, 1971 (Book 5833, Page 124).

A Title Search was not supplied to *ECMS*, and therefore additional ownership information was not available.

2.5 Environmental Liens

ECMS did not conduct a review of title records for the Site, therefore, it is not known if there are environmental liens at the Site. However, according to the Environmental Data Resources, Inc. (EDR) database search report dated August 17, 2018, the Site is not currently listed by the Massachusetts Department of Environmental Protection (MassDEP) as a Disposal Site with a Class A-3, Class A-4, Class B-2, or Class B-3 Response Action Outcome (RAO) Statement in accordance with the Massachusetts Contingency Plan (MCP) 310 CMR 40.1000. Therefore, there are no Activity & Use Limitations (AUL's) currently in force at the site.

2.6 Current Uses of the Site

The Site is currently utilized as the City of Amesbury Cashman Elementary School for grades Pre-K through Grade 4.

2.7 Current Uses of Surrounding Properties

The Site is located within an area primarily used for single-family residential homes, farmland and undeveloped wooded vacant land. There were no visual indications observed during *ECMS* visual inspection of nearby or abutting properties of conditions that would indicate a release or threat of release of oil and/or hazardous substances on, at, in, or to the Site.

2.8 Past Uses of the Site and Vicinity

Historical information was obtained from a review of the historical topographs (1932, 1934, 1943, 1944, 1947, 1950, 1956, 1952, 1968, 1973, 1979, 1971, 1985, 1987 and 2012), historical aerial photos (1953, 1960, 1966, 1973, 1978, 1986, 1992, 1998, 2006, 2009, 2012 and 2016), City Directory (1961, 1965, 1968, 1973, 1977, 1982, 1987, 1992, 1995, 2000, 2005, 2010 and 2014). Refer to Appendix A for copies of the above historic documents.

The historical aerial photo from 1978 shows the school building. Prior to construction of the school building, the Site land area was undeveloped and appears to be farmland as depicted in the aerial photographs from 1953 through 1973.

Properties surrounding the Site to the north, south, east and west were developed with sporadic residential properties and some may have been farmland.

The past uses of these surrounding properties do not pose recognized environmental concerns to the Site.

2.9 Summary of Previous Environmental Reports

No copies of any previous reports were provided to *ECMS.*

3.0 RECORDS REVIEW

ECMS utilized the results of an on-line computer environmental database search of facilities in the vicinity listed by agencies for various reasons. Table 1 presents the databases reviewed and the number of properties identified within the specified search distance with respect to the Site. The search distances specified by the ASTM were the minimum distances used during our search. The EDR database search report dated August 17, 2018 is contained in Appendix E.

3.1 U.S. Environmental Protection Agency (EPA)

CERCLIS and NPL

The EPA tracks sites to be investigated or that are currently being investigated for the threatened or actual release of hazardous substances to the environment. This system is under the jurisdiction of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, also known as Superfund. The CERCLA Information System (CERCLIS) database indicates if a site has been or is being considered for designation on the National Priorities List (NPL). The NPL is the list of abandoned and/or uncontrolled hazardous waste sites identified for priority action under Superfund. To be placed on the NPL, a property must

exceed a hazard ranking evaluation, pose a significant threat to health and the environment, and require remedial action. The EPA also tracks the NPL sites that have been delisted from the NPL where no further response is appropriate.

The Site is not listed as either a current or delisted NPL facility or CERCLIS facility. There are no current or delisted NPL facilities within one mile of the Site and no CERCLIS facilities listed within one-half mile of the Site.

NFRAP (No Further Remedial Action Plan)

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

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

Resource Conservation and Recovery Act (RCRA)

The RCRA TSD list includes any operation that transports, stores or disposes of hazardous waste and which must obtain a hazardous waste identification number or transporter permit. *ECMS* review of the RCRIS Transporters database indicated that the Site was not listed as a RCRA TSD of hazardous waste and there are no RCRA TSD listed facilities located within one-half mile of the Site.

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

The RCRA Generators list includes any operation that generates hazardous waste and which much obtain a hazardous waste generator identification number. The Site is not identified as a RCRA generator. No RCRA generators are located within one-quarter mile of the Site.

TABLE I
FEDERAL AND STATE ENVIRONMENTAL SOURCES

Standard Environmental Sources	Search Distance	Number of Sites	Location With Respect to the Site (miles)				
			Site	0.0-0.25	0.25-0.5	0.5-0.75	0.75-1.0
NPL Sites List	1.0 mile	0	No	0	0	0	0
NPL Delisted Sites List	0.5 mile	0	No	0	0	NA	NA
CERCLIS List	0.5 mile	0	No	0	0	NA	NA
NFRAP	0.5 mile	0	No	0	0	NA	NA
RCRA TSD List	0.5 mile	0	No	0	0	NA	NA
RCRA Generators List (LQG & SQG)	0.25 mile	0	No	0	NA	NA	NA
RCRA Cor Act	1.0 mile	0	No	0	0	0	0
Federal IC/EC	0.5 mile	0	No	0	0	NA	NA
ERNS List	0.25 mile	0	No	0	NA	NA	NA
Tribal Lands	1.0 mile	0	No	0	0	0	0
MassDEP/Tribal Sites List (CERCLA equiv.)	1.0 mile	22	No	0	0	0	22
MassDEP/Tribal LUST List	0.5 mile	0	No	0	0	NA	NA
MassDEP/Tribal LAST List	0.5 mile	0	No	0	0	NA	NA
MassDEP Spills List	0.25 mile	0	No	0	NA	NA	NA
MassDEP/Tribal Landfill/Solid Waste Disposal Sites List (active & inactive)	0.5 mile	0	No	0	0	NA	NA
MassDEP/Tribal Registered UST/AST List	0.25 mile	0	No	0	NA	NA	NA
MassDEP/Tribal IC	0.25 mile	0	No	0	NA	NA	NA
MassDEP/Tribal Brownfields	0.5 mile	0	No	0	0	NA	NA

NA = Not Applicable

Emergency Response Notification System (ERNS)

The EPA and National Response Center (NRC) Emergency Response Notification System (ERNS) is a list of hazardous material spills. The Site is not listed on the ERNS list and there were no ERNS listed facilities located within a 0.125-mile radius of the Site.

Federal Industrial and Engineering Controls

The federal listing of industrial and engineering controls is the EPA's Brownfield Management System, a database designed to assist EPA in collecting, tracking and updating information as well as reporting on the major activities and accomplishments of the various Brownfield grant programs. Sites listed on this database are Superfund sites that have either engineering or institutional controls in operation. The Site is not listed as having either industrial or engineering controls in operation and there were no properties identified within one-half mile of the Site with industrial or engineering controls in operation.

U. S. EPA Facility Index System (FINDS) List

The Site is identified on the U. S. EPA Facility Index System (FINDS) list. FINDS is an index of identification numbers associated with a property or facility that the EPA has investigated or has been made aware of in conjunction with various regulatory programs. The program identified with the Site is the National Center for Education Statistics (NCES) a primary federal database for collecting and analyzing data related to education in the United States and other nations.

3.2 Massachusetts Department of Environmental Protection (MassDEP)/Tribal Lands

MassDEP/Tribal Sites List

The MassDEP/Tribal Sites list contains the names of facilities and/or locations within the state of Massachusetts, which have reported releases of contaminants from petroleum storage systems. This report is maintained by the MassDEP. The Site does not appear on the MassDEP Sites List.

The database identified 22 MassDEP Sites listings within a one-mile radius of the subject Site. All of the 22 listed Sites are at a distance greater than ½ mile from the Site and given the distances none are not expected to present conditions indicative of a release or threat of release to the Site.

MassDEP/Tribal Spills List

The Site does not appear on the MassDEP Spills List. No spill of oil and/or hazardous materials was documented in MassDEP records within a 0.25-mile radius of the Site.

MassDEP Leaking Underground Storage Tank (UST) List

The MassDEP maintains this database of releases of oil or hazardous materials from USTs. The Site does not appear on the LUST List. Four (4) MassDEP LUST listed properties were documented in MassDEP records at properties within a one-half mile radius of the Site. All of these four (4) properties are located at distances greater than ¼-mile from the Site therefore, these releases are not expected to present conditions indicative of a release or threat of release to the Site.

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

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

3.4 Municipal and Local Authorities

Information related to environmental responses at the Site was requested from City of Amesbury municipal offices.

Amesbury Prevention Fire Department

Records relative to underground storage tanks and flammables were requested from the City of Amesbury Fire Department. Discussions with Chris with the Amesbury Fire Department revealed that no records were found for this location. A copy of Amesbury Fire Department FOIA Letter is attached in Appendix F of this report.

Amesbury Clerk's Office

Records relative to underground storage tanks and flammables were requested from the City of Amesbury Clerk's Office. No records were on file for the subject site.

Amesbury Health Department

The City of Amesbury Health Department had nothing on file for the property at 193 Lions Mouth Road pertaining to oil and/or hazardous materials. A copy of Amesbury Health Department FOIA Letter is attached in Appendix F of this report.

Amesbury Engineering Department

The Amesbury Engineering Department did not have information pertaining to the use, storage or release of oil or hazardous materials at the Site.

Amesbury Conservation Commission

Records at the Amesbury Conservation Commission indicate that there is no Wetland Resource Areas under the Massachusetts Wetlands Protection Act, and the Amesbury Wetlands Protection Bylaw present at the subject site.

3.5 State/Tribal Solid Waste Landfills

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

3.6 Other Identified Potential Nearby Properties

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are no EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

3.7 Unmapped Sites

There are 5 non-geocoded (unmapped) facilities listed in the EDR report. When possible, the properties within 500 feet of the Site were located during *ECMS'* Site reconnaissance. No identifiable unmapped facilities representing conditions indicative of releases of oil and/or hazardous substances or potential releases of oil and/or hazardous substances on, at, in or to the Site were identified during this investigation.

3.8 Tier 1 Vapor Encroachment Screening

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

subsurface of the Site caused by the release of vapors from contaminated soil or groundwater either on or near the Site.

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

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

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

Refer to Appendix G, Environmental Data Resources, Inc. (EDR) Vapor Encroachment report dated September 11, 2018.

4.0 INFORMATION FROM THE SITE RECONNAISSANCE

On August 21, 2018, Mr. Kevin J. Kavanaugh, LSP, CHMM, Principal Environmental Engineer for *ECMS* visited the Site. Mr. Kavanaugh was accompanied during the reconnaissance by Mr. Norman Fredette, head of maintenance for the Cashman Elementary School. Mr. Fredette is considered to be an individual most likely to be knowledgeable about the current and past uses of the property, particularly with regard to current and past uses of hazardous substances on the property. The site reconnaissance was documented with photographs, attached as Appendix H of this report.

The reconnaissance was conducted to observe any condition indicative of the release or threat of release of oil or hazardous substances on, at, in or to the Site. Observations made during the Site visit are summarized below.

4.1 Hazardous Materials Storage and Disposal

Typical cleaning supplies are stored in the building. According to Mr. Fredette, all cleaning supplies are "Green", thus are not considered to be hazardous in nature.. The cleaners are organized and labeled. Other hazardous materials observed included paint cans, toner cartridges and miscellaneous cleaners used in general maintenance of the school building. Materials were generally labeled and stored neatly.

4.2 Solid Waste Disposal

Solid waste and recycling are collected in dumpsters located in the parking area to the west of the Site building. *Mello Disposal* of Groveland, Massachusetts collects the solid waste twice per week and recycling once per week.

No areas that were apparently filled by non-natural causes suggesting trash or other solid waste disposal. No mounds or depressions suggesting trash or other solid waste disposal were visually or physically observed at the site during the visit.

4.3 Storage Tanks

According to the EDR report database there are no underground storage tanks (USTs) located on the Site.

No obvious visual evidence (vent pipes, fill pipes, fire pumps or emergency generators, etc.) of USTs was observed during the *ECMS* site reconnaissance performed on August 21, 2018.

One (1) aboveground storage tank (AST) was observed to be on the Site. This tank was a diesel fuel tank associated with and that lies beneath the emergency generator unit that is located north of the school building and south of the athletic fields. No leakage from this AST was observed on August 21, 2018. The emergency generator is enclosed by a locked chain link fence.

4.4 Polychlorinated Biphenyls (PCBs)

PCBs were commonly used as insulating and cooling fluids in electrical equipment, including transformers, ballasts and capacitors as well as in hydraulic fluids such as elevator equipment.

The fluorescent light fixtures appeared in good condition. All ballasts should be inspected and discarded of in accordance with federal, state and regional requirements.

One (1) pad mounted transformer was observed at the Site. It was located along the northwestern corner of the building next to the emergency generator and also located

within the chain link fenced area. No notation could be found indicating the presence of potential PCBs within the transformer but there was no evidence of any hydraulic oil leakage or staining on the crushed stone.

One (1) elevator hydraulic system was inspected by *ECMS*. There was a small stain observed on the floor of the elevator equipment room but appeared to be de minimus and there was no evidence of any hydraulic oil leakage from any of the observed equipment. Inspection of the elevator piston was not made .

No investigation to the presence of PCBs in building materials was conducted.

4.5 Electromagnetic Fields (EMFs)

Although epidemiological evidence is not conclusive, there is an increasing awareness and interest in monitoring magnetic radiation produced by power lines, transformers, and electronically driven devices.

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

4.6 Groundwater Wells

No groundwater wells were observed during the Site reconnaissance.

4.7 Landfills, Pits, Sumps

The Underground Injection Control (UIC) program protects drinking water by regulating discharges to the ground via injection wells such as dry wells, septic systems tied to industrial processes, and other subsurface leaching systems. Pursuant to UIC regulations (310 CMR 27.00), where the potential exists for pollutants to enter an injection well (e.g. by means of a floor drain) and the presence of the pollutants causes or may cause a violation of any Massachusetts Drinking Water Regulation or adversely affects or may adversely affect public health, the use of the well is prohibited. With the exception of discharges authorized under the Department's Ground Water Discharge Permit program, the Department considers this prohibition to include the use of any injection well at facilities which have in the past or currently use, store, or otherwise manage hazardous materials and/or wastes as defined in 310 CMR 30.000 and 310 CMR 40.0000. This Notice is not applicable to any facility where the floor drain is connected to a Municipal Sewer System.

At the time of the Site reconnaissance, *ECMS* personnel did not observe any evidence of landfills or pits at the Site.

4.8 Dry Cleaning Operations

The Site is not currently the location of a drycleaner and historical records reviewed did not indicate that a dry cleaner has ever existed at this location.

4.9 Chlorofluorocarbons as Coolants (CFCs)

There are no central cooling units at the Site. Only three (3) window mounted units were observed and thus CFCs do not pose a significant environmental concern to this site.

4.10 Hydrology and Geology of the Site Vicinity

The Site-specific hydrology and geology cannot be known without conducting subsurface investigations at the Site. However, the bedrock in the area consists of granitic rocks and metamorphic schists. During the last glacial maximum, the glaciers cut into the bedrock carving out a portion which then began to fill with various sediments. When the glacier retreated, it left behind a small layer of glacial till as well as small ponds that deposited fine sands and silts on top of the tills.

Depth to groundwater at the Site is not known. However, based on a review of the local topography and nearby surface water features, it is likely greater than 5 feet below ground surface. Direction of groundwater flow is not known. Based on local topography and nearby surface water features, groundwater flow direction is likely southwesterly.

The Site lies at an approximate elevation of approximately 105 feet above mean sea level (amsl). The Site lot is primarily relatively flat but does slope gently to the west where the grassed field and playground area are behind the school building.

According to information in the *Massachusetts Natural Heritage Atlas* (October 2006 edition), no certified vernal pools, priority habitats of rare species or estimated habitats of rare wildlife were identified at the Site or within a 500-foot radius of the Site. Refer to Figure 3 for a map of Priority Habitats of Rare Species and Figure 4 for a Map of Estimated Habitats of Rare Wildlife and Certified Vernal Pools

The nearest surface water body is Lake Gardner that is located approximately 2,500 feet to the northeast. There are no known private potable water supply wells in the vicinity of the Site. Water and sewer service for the Site is provided by the City of Amesbury.

According to a MassGIS Map, the site is located not within a Zone II, Interim Wellhead Protection Area (IWPA) or a Sole Source Aquifer. Refer to MassDEP Priority Resources (21E) Map attached as Figure 6 to this report.

Based on current Site use, no impact to environmental receptors is predicted.

5.0 ADDITIONAL ENVIRONMENTAL CONSIDERATIONS

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

5.1 Radon

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

An assessment for radon was not performed as part of the assessment.

The United States Environmental Protection Agency (EPA) Radon Zone for Essex County has a median radon concentration of 2.8 pCi/L and 36% of sites with concentrations of radon greater than the EPA recommended threshold of 4 pCi/L.

Site specific testing for radon would be necessary to determine that actual level at the Site.

5.2 Lead –Based Paint

No documentation relative to lead-based paints (LBP) was reviewed for this assessment. Whereas the school building was constructed before 1979, lead-based paint may be present within the Site building.

5.3 Asbestos Containing Materials (ACMs)

No previous survey information was available for review. Whereas the school building constructed before 1980, the presence of asbestos-containing material (ACM) may pose a recognized environmental condition to the Site.

5.4 Floodplain Management

Based on a review of the National Flood Insurance Program Flood Insurance Rate Map (FIRM), Community Map 25009C0102F dated July 6, 2016, the Site and surrounding area lies within an area classified as Zone X Other Flood Areas, an area determined to be outside the 0.2% annual chance floodplain. Refer to National

Flood Insurance Program Flood Insurance Rate Map (FIRM), Community Map attached as Figure 7 to this report.

5.5 Coastal Barrier Resources

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

5.6 Coastal Zone Management

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

5.7 Sole Source Aquifers

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

5.8 Airport Clear Zones

The Site is not located within an Airport Clear Zone.

5.0 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

The purpose of the investigation was to identify possible conditions that would be indicative of releases of oil and/or hazardous materials and threatened releases of oil and/or hazardous materials on, at, in or to the Site. The investigation included inspection of the Site and the exterior of adjacent properties, interviews with Site staff and regulatory officials, review of appropriate Federal, State, and local historical and environmental records. This assessment revealed the following:

Findings

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

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

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

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

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

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

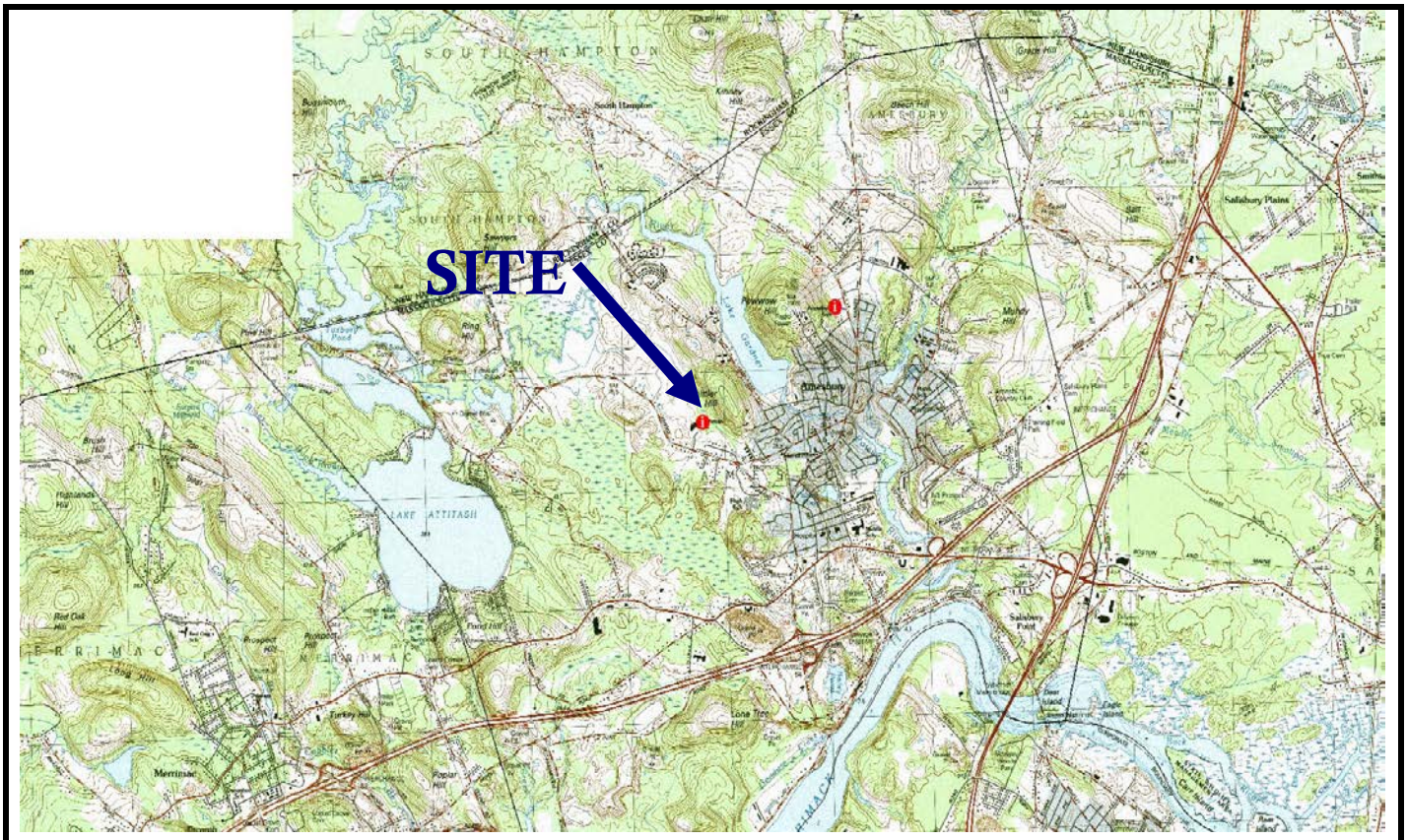
An *environmental issue* refers to environmental concerns identified by *ECMS*, which do not qualify as RECs; however, warrant further discussion.

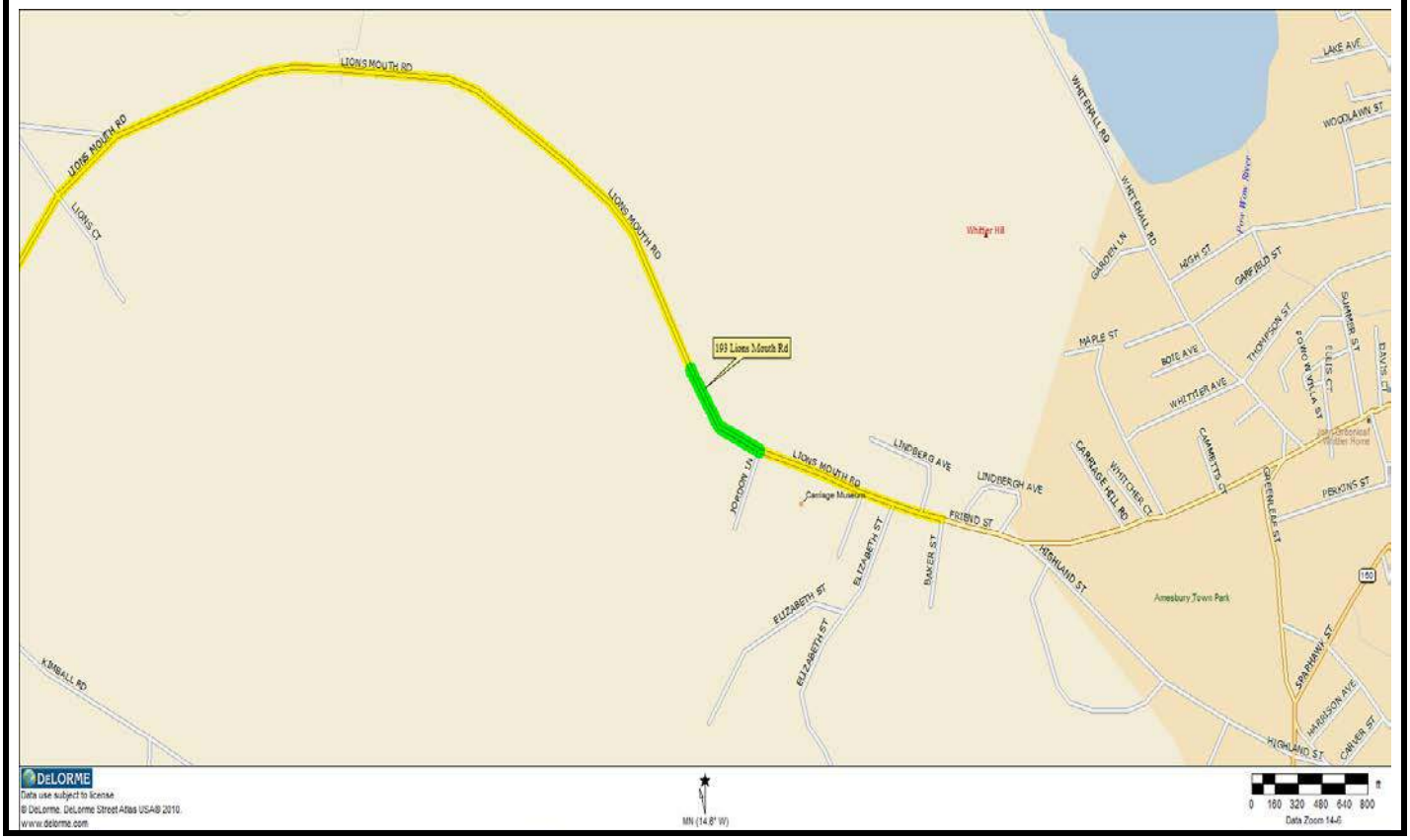
- *ECMS* did not identify any environmental issue during the course of this assessment.

Conclusions and Recommendations

This assessment has not revealed evidence of recognized environmental conditions and environmental issues in connection with the subject property. *ECMS* recommends no further actions.

FIGURES





Cashman Elementary School **193 Lions Mouth Road** **Amesbury, Massachusetts** **01913**	**Environmental & Construction Management Services, Inc.**	**Project No.** 1009.073	**Figure 1**
		Site Locus / Street Location Plan	**N**
		Drawn By: KJK	**Date:** 8/24/18

CITY OF AMESBURY, MASS.

Assessor Maps



LEGEND

- Parcel Line
- Building Footprints
- Prior Parcel Line with Common Ownership
- 5 Condo Unit Number
- Right of Way
- Map Index
- Town Boundaries
- Easements
- Hydrographic Features
- Streams
- Wetlands

Exempt Lands

- Federal
- State
- Municipal
- Private

N

SCALE: 1" = 100'

100 0 100 200 300 400

NOTE:
THE AREAS, BOUNDARIES, AND DIMENSIONS SHOWN ON THIS TAX MAP ARE DERIVED FROM AERIAL PHOTOGRAPHS, GROUND SURVEYS, AND RECORDED PLANS, MAPS, DEEDS, AND WILLS, AND ARE INTENDED TO BE USED FOR PROPERTY ASSESSMENT PURPOSES ONLY AND NOT FOR CONVEYANCE.

MAP REVISION DATE		
As of January 1, 2018		

Data Sources: The data for this map was supplied by the Merrimack Valley Planning Commission, the Town of Amesbury and the Executive Office of Environmental Affairs/MassGIS.

Merrimack Valley Planning Commission
plan • develop • promote

J:\ArcGIS\Amesbury\AmesburyAssessorMap_24x36.mxd

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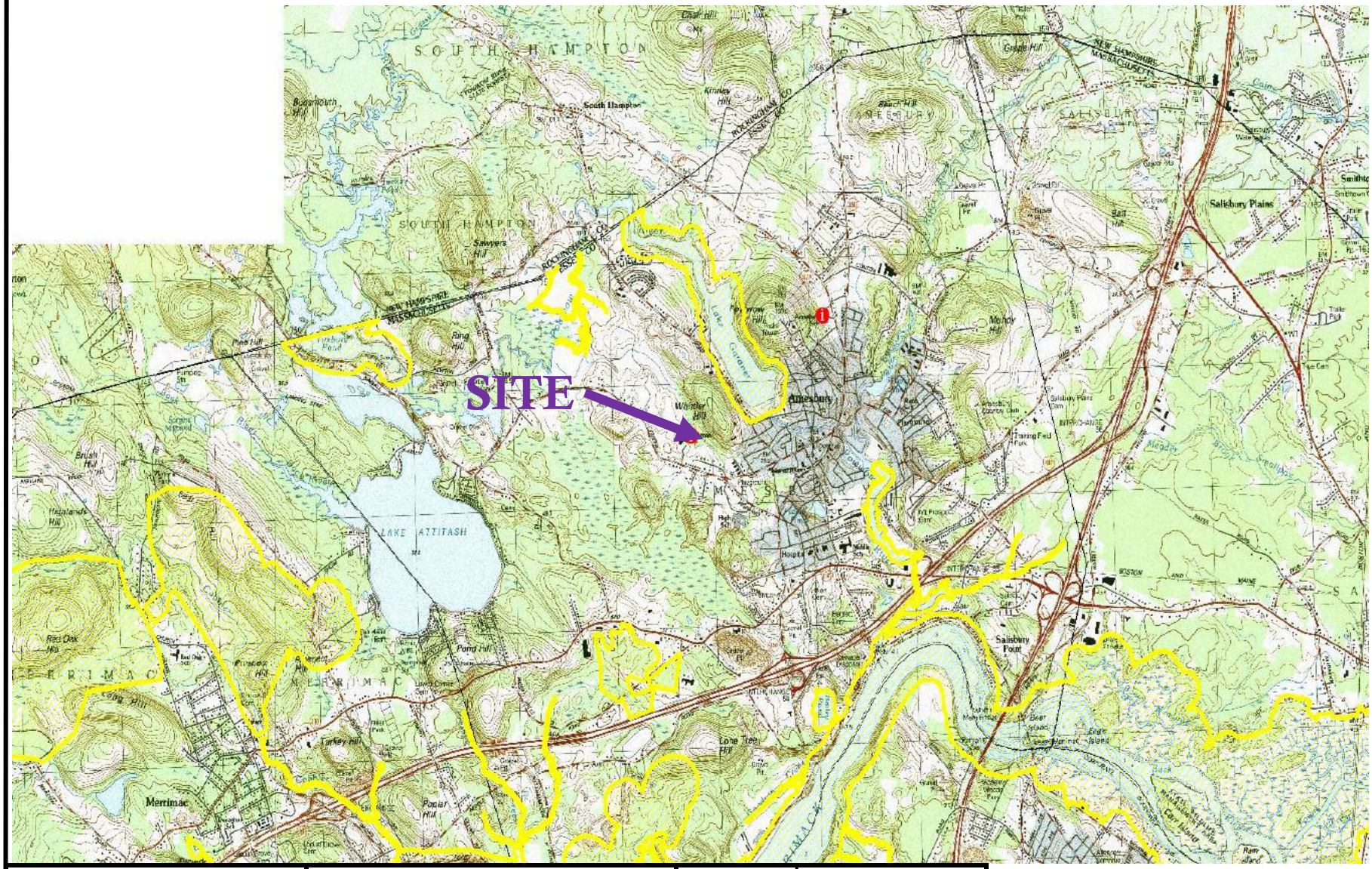
	102	103	104	105	106	107								
		108	109	110	111									

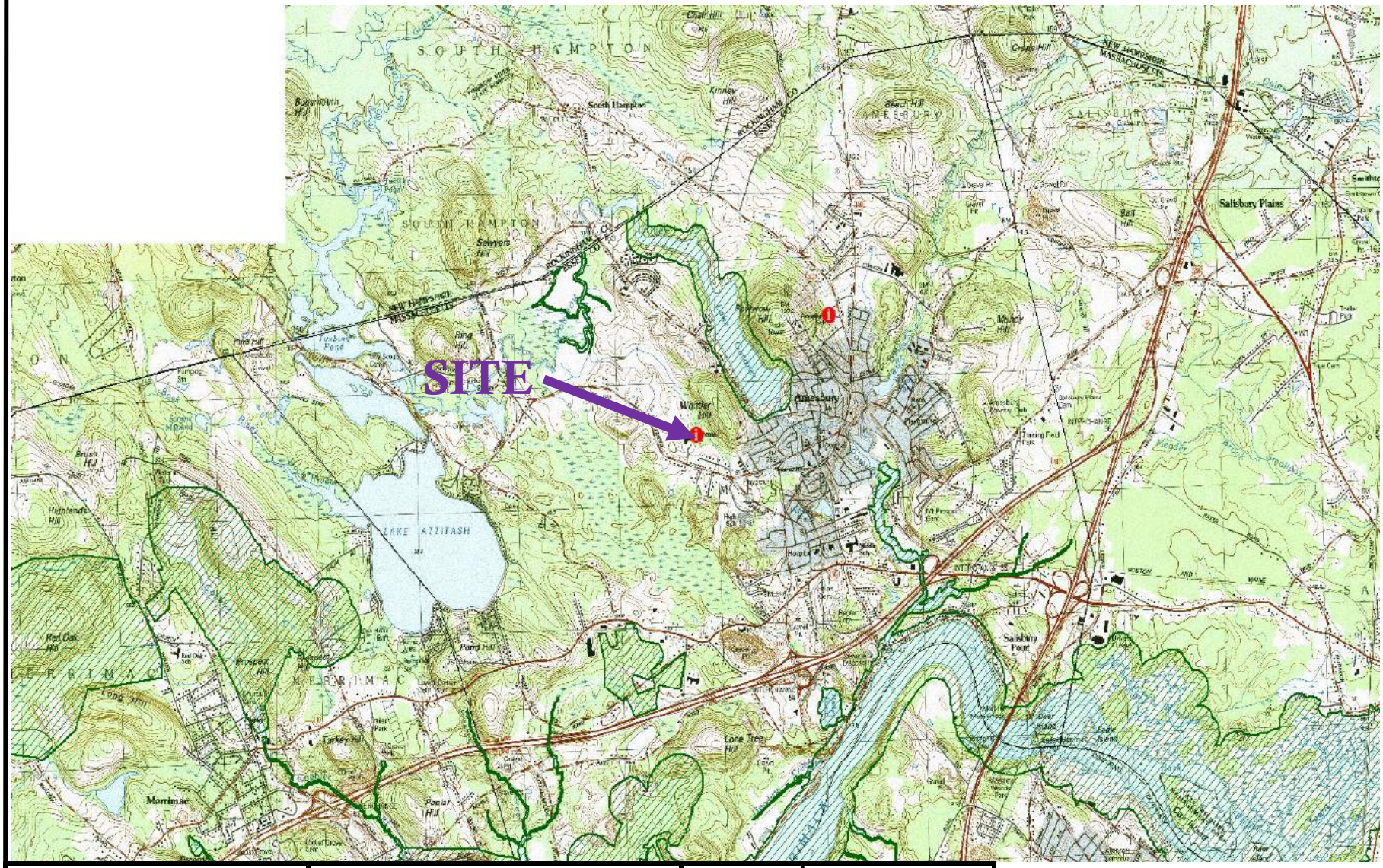
Map 50



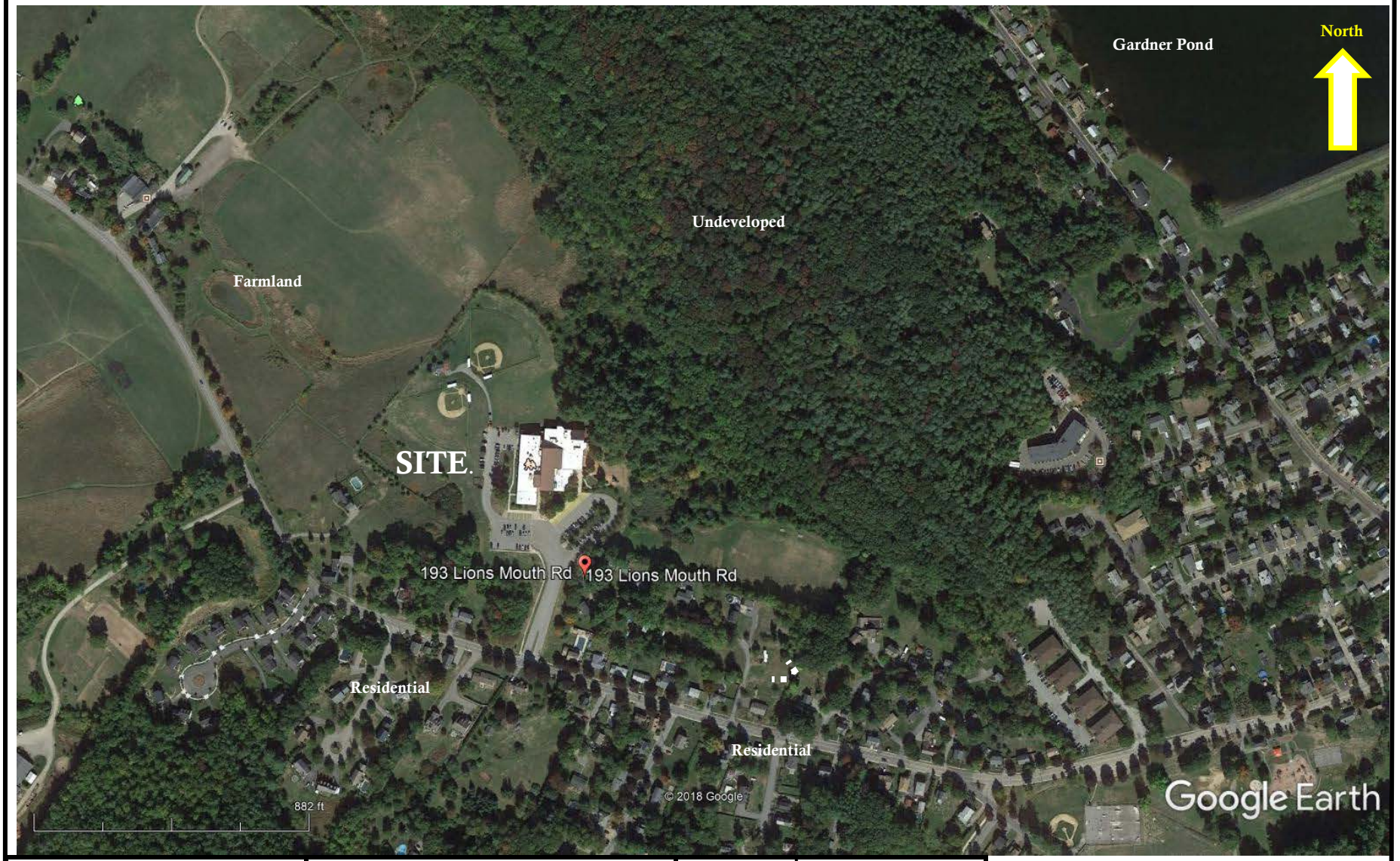
Cashman Elementary School
193 Lions Mouth Road
Amesbury, Massachusetts
01913

Environmental & Construction Management Services, Inc.

Project No. 1009.073	**Figure 3**
Priority Habitats of Rare Species Plan	
Drawn By: KJK	**Date:** 8/23/18



Cashman Elementary School **193 Lions Mouth Road** **Amesbury, Massachusetts** **01913**	**Environmental & Construction Management Services, Inc.**	**Project No.** 1009.073	**Figure 4**
		Map of Estimated Habitats of Rare Wildlife and Certified Vernal Pools	
		Drawn By: KJK	**Date:** 8/23/18



Cashman Elementary School **193 Lions Mouth Road** **Amesbury, Massachusetts** **01913**	**Environmental & Construction Management Services, Inc.**	**Project No.** 1009.073	**Figure 5**
		Aerial Photograph Site Location Plan	
		Drawn By: KJK	**Date:** 8/24/2018

MassDEP - Bureau of Waste Site Cleanup

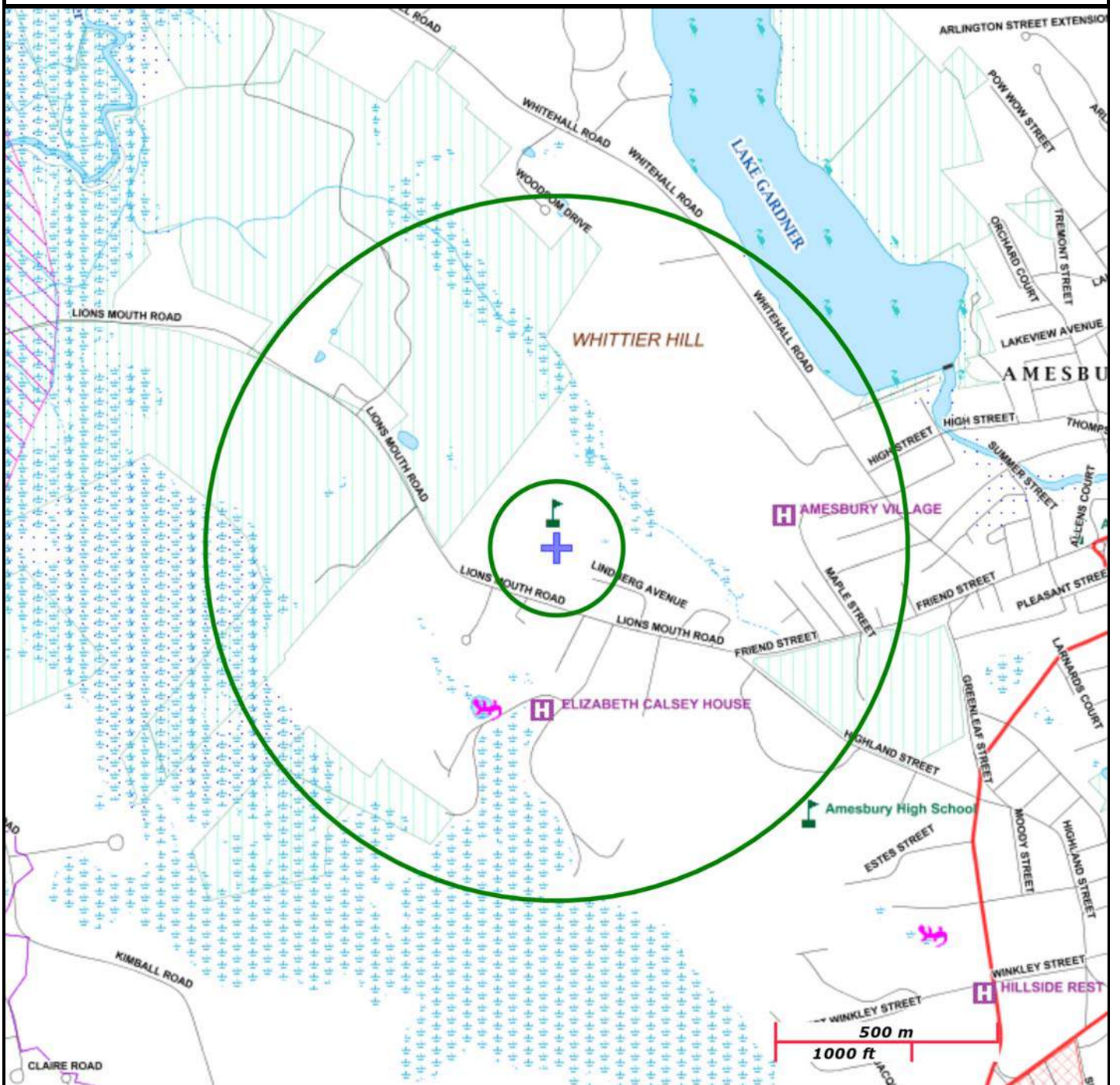
Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii

Site Information:
CAHSMAN ELEMENTARY SCHOOL
193 LIONS MOUTH ROAD AMESBURY, MA

NAD83 UTM Meters:
4746679mN , 340744mE (Zone: 19)
September 13, 2018

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at: http://www.mass.gov/mgis/.

MassDEP
Commonwealth of Massachusetts
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam

Aquifers: Medium Yield, High Yield, EPA Sole Source

Non Potential Drinking Water Source Area: Medium, High (Yield)

PWS Protection Areas: Zone II, IWPA, Zone A

Hydrography: Open Water, PWS Reservoir, Tidal Flat

Wetlands: Freshwater, Saltwater, Cranberry Bog

FEMA 100yr Floodplain; Protected Open Space; ACEC

Est. Rare Wetland Wildlife Hab; Vernal Pool: Cert., Potential

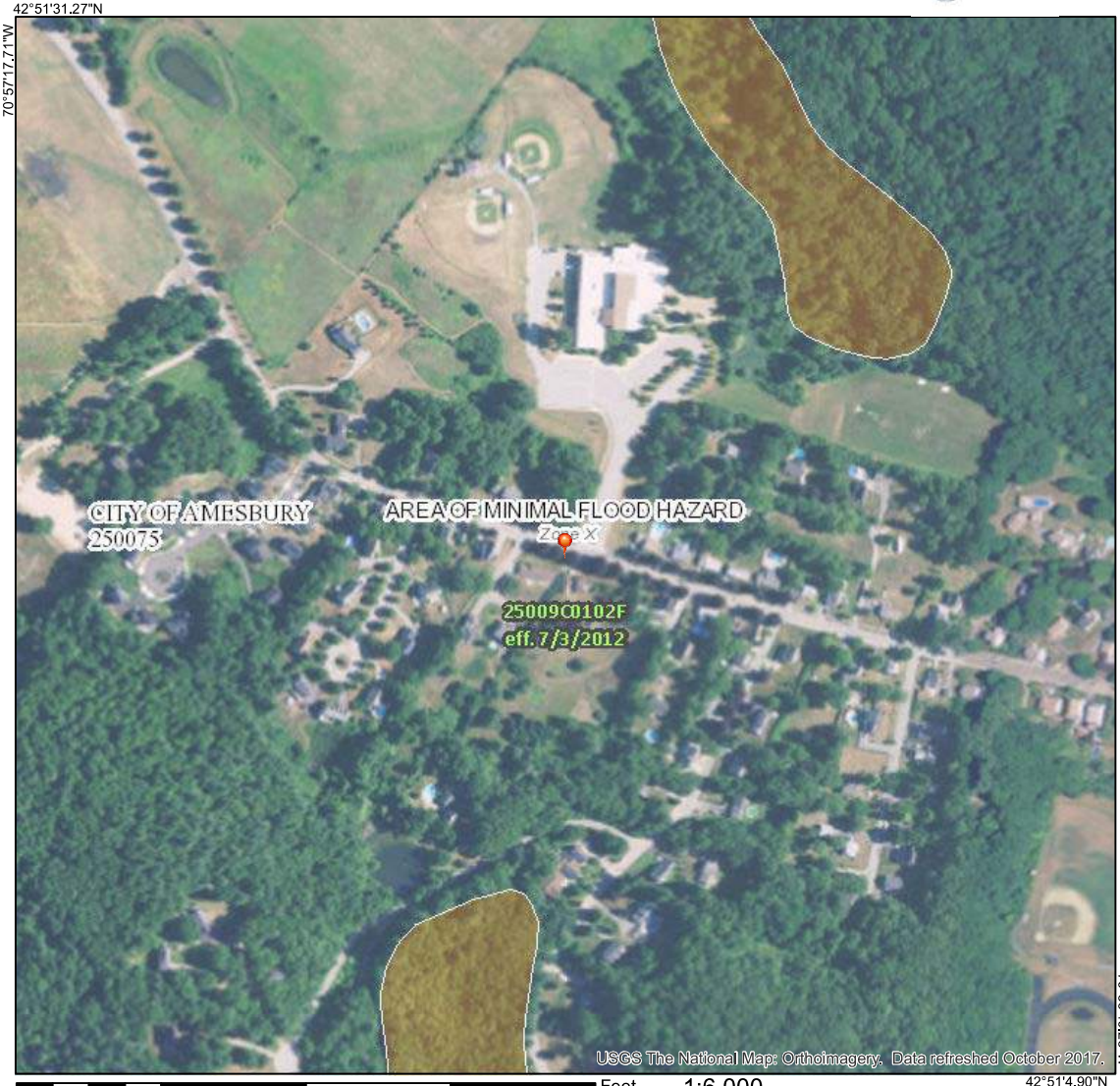
Solid Waste Landfill; PWS: Com.GW,SW, Emerg., Non-Com.

National Flood Hazard Layer FIRMette

FEMA

42°51'31.27"N

70°57'17.71"W



70°56'40.25"W

42°51'4.90"N

Feet 1:6,000

0 250 500 1,000 1,500 2,000

Legend

FIGURE 7

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/13/2018 at 3:39:51 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Cashman Elementary School
193 Lions Mouth Road
Amesbury, Massachusetts
01913

Environmental & Construction Management Services, Inc.

Project No. 1009.073	**Figure 8**
Site Plan	
Drawn By: KJK	**Date:** 8/23/18

APPENDIX A

INFORMATION/RESEARCH SOURCES, INFORMATION & HISTORICAL DOCUMENTATION

RESEARCH/INFORMATION SOURCES

Environmental Data Resources, Inc. (EDR) Radius Report with GeoCheck for Target Property in Amesbury, Massachusetts, August 17, 2018.

EDR City Directory Image Reports dated 1961, 1965, 1968, 1973, 1977, 1982, 1987, 1992, 1995, 2000, 2005, 2010 and 2014 for Target Property in Amesbury, Massachusetts, August 17, 2018.

EDR Certified Sanborn Map Report for Target Property in Amesbury, Massachusetts, August 17, 2018.

EDR Historical Aerial Photographs dated 1953, 1960, 1966, 1973, 1978, 1986, 1992, 1998, 2006, 2009, 2012 and 2016 for Target Property in Amesbury, Massachusetts, August 17, 2018.

EDR Historical Topographs dated 1932, 1934, 1943, 1944, 1947, 1950, 1956, 1952, 1968, 1973, 1979, 1971, 1985, 1987 and 2012 for Target Property in Amesbury, Massachusetts, August 17, 2018.

City of Amesbury Assessor's Office records.

City of Amesbury Health Department file review on August 21, 2018.

City of Amesbury Fire Department, Fire Prevention records reviewed on August 21, 2018.

City of Amesbury Clerk's Office on August 21, 2018, no pertinent files.

City of Amesbury Public Works and Engineering Department on August 21, 2018, no pertinent files.

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

Cashman Elementary School
193 Lions Mouth Rd
Amesbury, MA 01913

Inquiry Number: 5397483.5
August 20, 2018

The EDR-City Directory Image Report

Environmental Data Resources Inc
6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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City Directory Images

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

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by
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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1987	☑	☑	Polk's City Directory
1982	☑	☑	Polk's City Directory
1977	☑	☑	Polk's City Directory
1973	☑	☑	Polk's City Directory
1968	☑	☑	Polk's City Directory
1965	☑	☑	Polk's City Directory
1961	☑	☑	Polk's City Directory

FINDINGS

TARGET PROPERTY STREET

193 Lions Mouth Rd
Amesbury, MA 01913

Year	*CD Image*	*Source*

LIONS MOUTH RD

2014	pg A2	EDR Digital Archive
2010	pg A4	EDR Digital Archive
2005	pg A6	EDR Digital Archive
2000	pg A8	EDR Digital Archive
1995	pg A10	EDR Digital Archive
1992	pg A12	EDR Digital Archive
1987	pg A15	Polk's City Directory
1982	pg A18	Polk's City Directory
1977	pg A21	Polk's City Directory
1973	pg A24	Polk's City Directory
1968	pg A27	Polk's City Directory
1968	pg A28	Polk's City Directory
1965	pg A30	Polk's City Directory
1965	pg A31	Polk's City Directory
1961	pg A33	Polk's City Directory
1961	pg A34	Polk's City Directory

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
FRIEND ST		
2014	pg. A1	EDR Digital Archive
2010	pg. A3	EDR Digital Archive
2005	pg. A5	EDR Digital Archive
2000	pg. A7	EDR Digital Archive
1995	pg. A9	EDR Digital Archive
1992	pg. A11	EDR Digital Archive
1987	pg. A13	Polk's City Directory
1987	pg. A14	Polk's City Directory
1982	pg. A16	Polk's City Directory
1982	pg. A17	Polk's City Directory
1977	pg. A19	Polk's City Directory
1977	pg. A20	Polk's City Directory
1973	pg. A22	Polk's City Directory
1973	pg. A23	Polk's City Directory
1968	pg. A25	Polk's City Directory
1968	pg. A26	Polk's City Directory
1965	pg. A29	Polk's City Directory
1961	pg. A32	Polk's City Directory

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

FRIEND ST 2014

109	KEYSTONE STATE PRO BASEBALL
114	SKIP JTRAS MEM SCHLARSHIP FUND
118	JUTRAS EV & SONS
	JUTRAS NORMAN
120	AMESBURY SOC FRIENDS QUAKERS
177	THURLOW, RICHARD S
182	ARSENAULT, MICHAEL C
183	DREW, SCOTT R

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

LIONS MOUTH RD 2014

156	M S LANE REPAIR
175	MATTISON, RICHARD M
	SIEGFRIED, JOHN E
177	LEBLANC, NORMAN J
178	DENSO SALES CALIFORNIA INC
	WHITLOW, NATHANIEL R
179	LARNARD, ELIZABETH T
180	CORDINER, JAMES
	CRAVEIRO, LISA M
	GELINEAU, CHRISTOPHER
	WILSON, STAN
181	GANNON, WILLIAM F
182	HASDAY, I
183	OCCUPANT UNKNOWN,
184	MORAN, BRIAN W
185	SAWYER, JOHN M
187	GAGNE, TIMOTHY T
189	ROBINSON, EDWARD L
191	DODIER, GEORGE R
192	LOCKE, COURTNEY
193	AMESBURY SCHOOL DISTRICT
195	KYRIOS, THEODORE E
196	MCPARTAND, PAUL
	MCPARTLAND, PAUL J
197	EDE, MICHELLEM M
	GERMANOWSKI, GLEN
	PALAZZOLO, JOSEPH
198	HAWES, ETHAN J
201	APONAS, ALFRED S
202	BARTOSIK, ROSS J
204	DIERING DIRECT INC
	DIERING, TIMOTHY J
212	CERNY HERBERT
223	AMESBURY WEB DESIGN
227	LUCIER TRUST
235	KENDRA PIKE OSGOOD
271	CHALLENGE ENGINEERING INC
272	GOLOSI LLC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

FRIEND ST 2010

103	WAYNES TRUCKING
106	BOWMAN TRUCKING INC
109	KEYSTONE STATE PRO BASEBALL
	OPENING DAY PARTNERS LLC
	SOUTHERN MD BASBAL CLB LLC
118	JUTRAS EV & SONS
	JUTRAS NORMAN
120	AMESBURY SOC FRIENDS QUAKERS
129	DIRAGO VALORI S
	JUST JESSICA
	OCEAN VIEW LANDSCAPING
133	VINTAGE PAINTING
171	STONE ROBERTA E
177	THURLOW, RICHARD S

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

LIONS MOUTH RD 2010

156 M S LANE REPAIR
166 KRISTAN S HOUSE DAYCARE
175 MATTISON, RICHARD M
SIEGFRIED, JOHN E
177 LEBLANC, NORMAN J
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WHITLOW, MONICA Y
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183 DREW, SCOTT R
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185 SAWYER, JOHN M
187 GAGNE, TIMOTHY T
189 SEMPLE, BARBARA V
191 DODIER, GEORGE R
192 EVANS, HOLLY
RAPHANELLA, GINA
193 AMESBURY SCHOOL DISTRICT
195 KYRIOS, THEORDORE E
196 MCPARTLAND, KATHERINE A
197 CHASE, JOHN M
EDE, CHERYLL
GERMANOWSKI, MARTHA J
198 HAWES, ETHAN J
200 WOOD, CRYSTAL A
201 APONAS, C M
202 BARTOSIK, ROSS
223 AMESBURY WEB DESIGN
227 LUCIER TRUST
271 CHALLENGE ENGINEERING INC
272 GOLOSI LLC
NEXT CATERING

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

FRIEND ST 2005

103	WAYNES TRUCKING
109	KEYSTONE STATE PRO BASEBALL
118	JUTRAS NORMAN
120	JUMP START YOUTH CONNECTION
129	DIRAGO VALORI S
177	THURLOW, RICHARD S
180	CALLAHAN, JEANNE M
182	ARSENAULT, MICHAEL C
183	DREW, SCOTT R
185	SAWYER, DIANE M
191	DODIER, GEORGE R

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

LIONS MOUTH RD 2005

156	M S LANE REPAIR
171	TERRYS FLOWER SHOP
177	LEBLANC, NORMAN J
178	DENSO SALES CALIFORNIA INC
	WHITLOW, MONICA Y
179	LARNARD, ELIZABETH M
180	DAMON, BETHANY L
181	GANNON, WILLIAM
182	SHAHEEN, JOHN J
184	MORAN, BRIAN W
185	SAWYER, JOHN M
187	GAGNE, TIMOTHY T
189	SEMPLE, JAMES E
191	DODIER, KEVIN G
192	PELLETIER, NORMAN R
193	AMESBURY TOWN OF
195	KYRIOS, THEORDORE E
197	EDE, CHERYLL
	JEAN, MARTHA J
198	BUCKLEY, PAUL A
200	MEADER, CRYSTAL
201	APONAS, C M
202	ARSENAULT, PETER H
227	LUCIER TRUST
262	CARRIAGE TOWN CHLD PROGRAMS
271	CHALLENGE ENGINEERING INC
277	CROWLEY JAMES ELECTRICAL

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

FRIEND ST 2000

103	WAYNES TRUCKING
118	JUTRAS NORMAN
120	COMMUNITY ACTION INC
180	CALLAHAN, JEANNE M
	VANHOOK, B
182	ARSENAULT, MICHAEL C
183	DREW, SCOTT R
184	MORAN, BRIAN
185	SAWYER, JOHN M
189	SEMPLE, JAMES
191	DODIER, GEORGE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

LIONS MOUTH RD 2000

175	EATON, HERBERT
177	LEBLANC, NORMAN
	THURLOW, RICHARD
178	DENSO SALES CALIFORNIA INC
179	LARNARD, RAYMOND
192	RANDALL, PAT L
193	AMESBURY TOWN OF
	KYRIOS, THERESA G
197	EDE, MARY J
	GERMANOWSKI, MARTHA J
	JEAN, MARTHA
198	CURRIER, JAMES
201	SNOW, LUCINDA H
202	STEWART, IAN J
261	GP WORKSHOP
271	CHALLENGE ENGINEERING INC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

FRIEND ST 1995

103	WAYNES TRUCKING
116	JUTRAS NORMAN
120	COMMUNITY ACTION INC
137	FIRST IMPRESSIONS
177	LEBLANC, NORMAN
	THURLOW, RICHARD & MARIANNE
178	FARMER, MICHAEL & GAIL
180	CALLAHAN, ROBT J
181	FRANCOEUR, LOUIS L
182	ARSENAULT, MICHAEL C
183	DREW, SCOTT R & PATRICIA J
191	PUORRO, M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

LIONS MOUTH RD 1995

175	EATON, HERBERT
179	LARNARD, ELIZABETH & RAYMOND
	LARNARD, RAYMOND
184	MORAN, CHERYL & BRIAN
185	SAWYER, JOHN M
189	MORRILL, LOUISE
192	RANDALL, PAT L
194	BAKER, EDDIE B
197	GERMANOWSKI, MARTHA
202	WARREN, L J
227	WOODSOM FARM TRUST
271	CHALLENGE ENGINEERING

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

FRIEND ST 1992

103	WAYNES TRUCKING
116	HIGHLAND LIMOUSINE SERVIC
118	JUTRAS E V & SON
137	FIRST IMPRESSIONS
158	OUELLET BUSINESS FORMS
171	STONE ROBERTA E
177	LEBLANC, NORMAN
	THURLOW, RICHARD & MARIANNE
178	FARMER, MICHAEL & GAIL
180	CALLAHAN, ROBT J
181	FRANCOEUR, LOUIS L
182	ARSENAULT, MICHAEL C
183	DREW, SCOTT R & PATRICIA J
191	PUORRO, M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

LIONS MOUTH RD 1992

175	EATON, HERBERT
179	LARNARD, DONALD J & JO
	LARNARD, ELIZABETH & RAYMOND
	LARNARD, RAYMOND
180	MURRAY, ROBT & PAMELA
185	SAWYER, JOHN M
189	MORRILL, RAYMOND
192	RANDALL, PAT L
	SMITH, GORDON & ROBERTA H
194	CANNS, RONALD
227	WOODSOM FARM TRUST
271	CHALLENGE ENG

Target Street	Cross Street	Source
-	✓	Polk's City Directory

FRIEND ST 1987

HIGHLAND ST BEGINS
153 No Return
156★Myhal Joel genl contr ◎
388-2070
157 Shute Wm F ◎ 388-0036
LINDBERGH AV BEGINS
158 Ouellet J M Gerard ◎
388-1771
160 Francoeur Rita D Mrs ◎
388-1933
Francoeur Carol 388-2556
162 Laine Wm R ◎ 388-0823
Rear Ackley Laurence E Jr ◎
388-2291
170 Yelle Herman E ◎ 388-1327
BAKER ST BEGINS
171 Lil Red Country Store gro
388-0370
173 Hodge Cath E Mrs ◎
388-0686
LINDBERGH AV BEGINS
174★Young Dale T ◎ 388-4739
175 Rock Marilyn A ◎ 388-1377
177 Le Blanc Norman J ◎
388-2009
Rear Wilkins Ellis E ◎
Rear★Thurlow Richd S ◎
388-9033
ELIZABETH ST BEGINS
178 Farmer Michl P ◎ 388-3881
179 Lavoie Robert W ◎ 388-1766
180★Callahan Robt J ◎ 388-1226
★Rooney Shawn W 388-3930
181 Francoeur Louis L ◎
388-9260
182 Arsenault Michl C ◎
388-3292
MONCRIEF ST BEGINS

Target Street	Cross Street	Source
-	✓	Polk's City Directory

FRIEND ST 1987

FRIEND ST (A)–Contd

183 Drew Scott R ◎ 388-0012
184 La Pointe Gabrielle C Mrs ◎ 388-9510
185 Sawyer John M ◎ 388-2316
186 Rawson Diana L 388-0546
187 Thornell Dorothy M Mrs ◎ 388-0782
188★Sawyer Harold W Jr ◎ 388-5396
190★Melia Lena D Mrs ◎ 388-3612
191 Dodier Geo R Jr ◎ 388-3982
Cashman Chas C Elementary Sch 388-4407
192 Randall John ◎ 388-1686
194 Currier James ◎ 388-6032
201 Aponos Constance S ◎ 388-9014
202 No Return
Woodsom Ethel M Mrs ◎
No Return
Ryan James
206 Rice Margt S ◎ 388-1420
No Return
Woodsom Farm milk 388-1732
Santoro Anna W Mrs 388-0147
Woodsom Geo J ◎ 388-0893
225 Hojaboom Lawrence A 388-2088
227 Lucier Harry J ◎ 388-9486
229 Woodsom James A ◎ 388-1732
No Return
Bilodeau John ◎

NEWTON RD BEGINS

Target Street	Cross Street	Source
✓	-	Polk's City Directory

LIONS MOUTH RD 1987

LIONS MOUTH RD (AMESBURY)–FROM END OF FRIEND ST AT NEWTON TO KIMBALL RD

ZIP CODE 01913

261★Davis Paul W ◎ 388-1427
262★Woodsom Donna L ◎
388-5411
263★Davis Clifton L ◎ 388-2026
264★Miller Walter R ◎ 388-1631
265 Meow Motel cat boarding
388-1722
★Cobb Roy N ◎ 388-1722
266★Fournier Philip N ◎
388-3269
268★Perreault Alphonse G ◎
388-1923
269★Kolosey Henry J ◎ 388-1421
270★Forget Mae E ◎ 388-9039
271★Bartley Danl L ◎ 388-0956
272★Leavitt Chas A ◎ 388-1549
273★Perreault Louis P ◎
388-1350
274★Davis Howard K ◎ 388-4850
275★Billings Howard O ◎
388-0838
276★Roy Robt E ◎ 388-0554
277★Howes Robt P 388-3959
278★Ross John A ◎ 388-9375
279★Munroe Paul D ◎ 388-2040
281★Bryant Edw W ◎ 388-5188
283 No Return
285★Provencher Lawr J ◎
388-4368
287★Perkins Thos E ◎ 388-0252
289 Perkins Steven B (Addl Sp)
290★Chapman Michl W ◎
388-3504
292★Greeley Carmen T ◎
388-4634

Target Street	Cross Street	Source
-	✓	Polk's City Directory

FRIEND ST 1982

HIGHLAND ST BEGINS
153 Greaney Wm F ◎ 388-2985
156 Deboisbriand Agnes C Mrs ◎ 388-9553
157 Shute Wm F ◎ 388-0036
158 Ouellet J M Gerard ◎ 388-1771
160 Lanseigne Roland L 388-0329
Francoeur Rita D Mrs ◎ 388-1933
162 Eaton Judythe A Mrs ◎ 388-1892
166 Ackley Laurence E Jr ◎ 388-2291
LINDBERGH AV BEGINS
BAKER ST BEGINS
170 Yelle Herman E ◎ 388-1327
171 Al's Variety Store 388-0370
173 Hodge Cath E ◎ 388-0686
Hodge Doris E ◎ 388-0686
Vacant
175 Rock Audra Mrs 388-1377
177a Le Blanc Norman J ◎ 388-2009
Rear Wilkins Ellis E ◎
178★Aldrich Brian 388-5185
179 Lavoie Raymond G ◎ 388-2949
Dollen Edw J ◎ 388-1868
Dollen Chester ◎ 388-0966
180 No Return
ELIZABETH ST BEGINS
181 Francoeur Louis L ◎ 388-9260
182 Arsenault Michl C ◎ 388-3292
183 Drew Scott R ◎ 388-0012

Target Street	Cross Street	Source
-	✓	Polk's City Directory

FRIEND ST 1982

FRIEND ST (A)—Contd
184 La Pointe Robt F ◎ 388-9510
Sawyer Abbie C Mrs ◎ 388-0546
MONCRIEF ST BEGINS
185 Sawyer John M ◎ 388-2316
Sawyer Harold W Jr ◎ 388-3389
187 No Return
189 Morrill Raymond ◎ 388-2704
191★Dodier Geo Jr ◎ 388-3982
192 Perry Christopher L 388-2162
Randall John ◎ 388-1686
★Aponos Constance S ◎ 388-9014
Woodsom Ethel M Mrs ◎
Perreault Alphonse G ◎ 388-1923
Surprenant Constance E ◎
Crowley Terrence M ◎ 388-0994
Vacant
★Rice Margt S
Bourque Arth E ◎ 388-2448
Woodsom Farm milk
Santoro Anna W Mrs 388-0147
Woodsom Geo J ◎ 388-0893
Hojaboom Lawrence A 388-2088
Lucier Harry J ◎ 388-9486
Woodsom James A ◎ 388-1732
Walsh James ◎ 388-3531
Meow Motel cats boarded 388-1722
Cobb Roy N ◎ 388-1722
Perreault Paul J ◎ 388-0536
Fournier Philip N ◎ 388-3269
Kolosey Henry J ◎ 388-1421
Bartley Danl L ◎ 388-0956
Perreault Louis P ◎ 388-1350
Forget Mae E Mrs ◎ 388-9039
Attitash Specialty woodworking 388-2041
Billings Howard O ◎ 388-0838
Roy Robt E ◎ 388-0554
Ross John A ◎ 388-9375
Clarke Helena A Mrs ◎ 388-0409
Provencher Lawrence J ◎ 388-4368
Perkins Thos E ◎ 388-0252
Chapman Michl W 388-3504
Bilodeau John ◎
Davis Clifton L ◎ 388-2026
Cashman Charles C
Elementary School 388-4407
NEWTON RD BEGINS
KIMBALL RD ENDS
TUXBURY SQUARE
LAKE ATTITASH DIST

17

FROST CORNER (AMESBURY)—FROM 165 CONGRESS AT SALISBURY LINE

ZIP CODE 01913

17

FRUIT PL (AMESBURY) FROM 53 MARKET

ZIP CODE 01913
2 Quinn John F ◎ 388-9504
Quinn Ronald J 388-2231
9½ Worthen Edw P 388-3970
10★Cottey Nancy
10½★Collins Cande
Boucher Gerald
O'Neil Marjorie J
12 Perreault Alf 388-4096
Brickett David P
14 Savoie Maurice O ◎ 388-2901

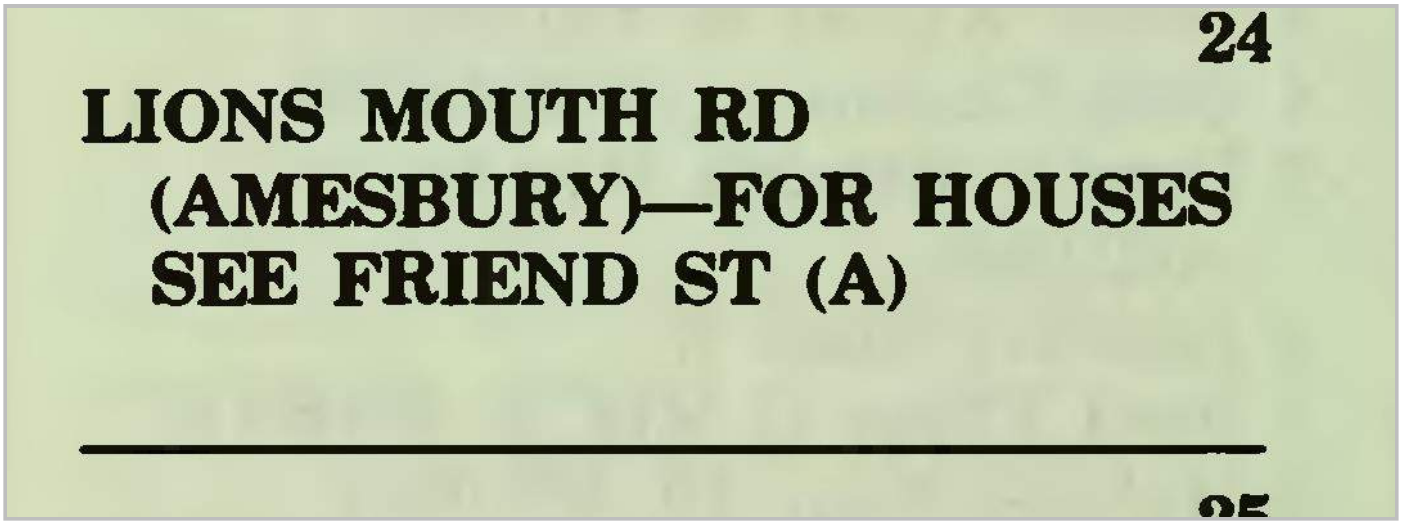
14

FRUIT ST —FROM 24 PROSPECT TO 96 HIGH

ZIP CODE 01950
1★Elmeer Gordon 462-7230
1½ Eagan
3 Sweet Peter S ◎ 465-5875
4★Roy James C ◎ 462-9488
Innerfield Robt D 456-0670
5 Murphy Edw P ◎ 465-8508
6 Fenders Henry G Jr ◎ 462-4568
7 Apartments
1 Devoe Marjorie
2 Oswald Barbara
3 Pelsue Thos
4 Higgins K
5 Mullen Myrna K 465-8117
8 Thayer R Bruce III 465-8117
9 Barclay Fred B 465-0237
10 Vacant
11 No Return
12 Damon Albert H Jr ◎

Target Street	Cross Street	Source
✓	-	Polk's City Directory

LIONS MOUTH RD 1982



Target Street	Cross Street	Source
-	✓	Polk's City Directory

FRIEND ST 1977

Amesbury Park

HIGHLAND ST BEGINS

153 Greaney Wm F ◎ 388-2985

156 Deboisbriand Agnes C Mrs ◎ 388-9553

157 Morse Donald L ◎ 388-2055

158 Ouellet J M Gerard ◎ 388-1771

160 Lanseigne Roland L 388-0329

Francoeur Rita D Mrs ◎ 388-1933

162 Eaton James E Jr ◎ 388-1892

166 Ackley Laurence E Jr ◎ 388-2291

LINDBERGH AV BEGINS

170 Yelle Herman E ◎ 388-1327

171 Al's Variety Store 388-0370

173 Hodge Cath E nurse ◎ 388-0686

Hodge Doris E ◎ 388-0686

Vacant

175 Gendreau Alene A Mrs

177a Leblanc Norman ◎ 388-2009

Rear Wilkins Ellis E ◎

Morrill Edith Mrs ◎ 388-2612

178 Gray Lester ◎ 388-4785

179 Lavoie Raymond ◎ 388-2949

Rear Gunning Alice ◎ 388-9033

Cashman Elementary School
193 Lions Mouth Rd
Amesbury, MA 01913

Inquiry Number: 5397483.4
August 17, 2018

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

08/17/18

Site Name:

Cashman Elementary School
193 Lions Mouth Rd
Amesbury, MA 01913
EDR Inquiry # 5397483.4

Client Name:

ECMS, Inc.
288 Grove Street #391
Braintree, MA 02184
Contact: Kevin Kavanaugh

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by ECMS, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 1009.073
Project: DiNisco/Cashman Elem Schoo

Coordinates:

Latitude: 42.857239 42° 51' 26" North
Longitude: -70.948354 -70° 56' 54" West
UTM Zone: Zone 19 North
UTM X Meters: 340823.36
UTM Y Meters: 4746802.83
Elevation: 105.18' above sea level

Maps Provided:

2012
1987
1985
1979
1968, 1973
1952
1950, 1952
1947
1944
1943
1934
1932
1894
1890

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Exeter
2012
7.5-minute, 24000



Newburyport West
2012
7.5-minute, 24000

1987 Source Sheets



Newburyport
1987
7.5-minute, 25000
Aerial Photo Revised 1978



Exeter
1987
7.5-minute, 25000
Aerial Photo Revised 1978

1985 Source Sheets



Newburyport
1985
7.5-minute, 25000
Aerial Photo Revised 1978



Exeter
1985
7.5-minute, 25000
Aerial Photo Revised 1978

1979 Source Sheets



Newburyport West
1979
7.5-minute, 24000
Aerial Photo Revised 1977

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1968, 1973 Source Sheets

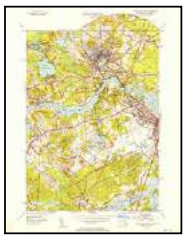


Newburyport West
1968
7.5-minute, 24000
Aerial Photo Revised 1966



Exeter
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1952 Source Sheets



Newburyport West
1952
7.5-minute, 31680

1950, 1952 Source Sheets



Exeter
1950
7.5-minute, 24000
Aerial Photo Revised 1943

1947 Source Sheets



NEWBURYPORT WEST
1947
7.5-minute, 25000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1944 Source Sheets



Newburyport West
1944
7.5-minute, 31680

1943 Source Sheets



Cape Ann
1943
30-minute, 125000

1934 Source Sheets



Exeter
1934
15-minute, 62500



Newburyport
1934
15-minute, 62500

1932 Source Sheets



Newburyport
1932
15-minute, 48000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1894 Source Sheets



Newburyport
1894
15-minute, 62500

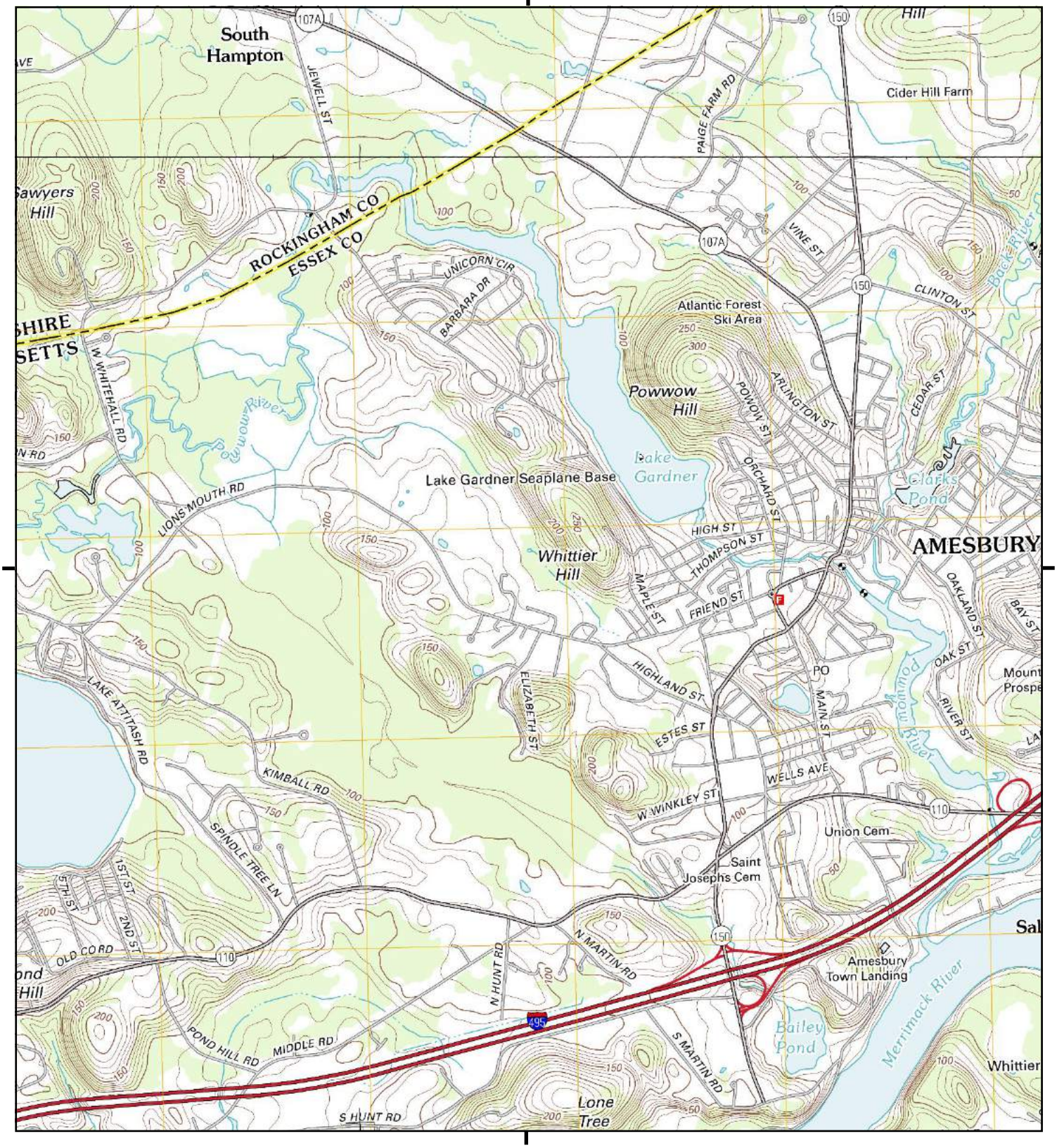
1890 Source Sheets



Newburyport
1890
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

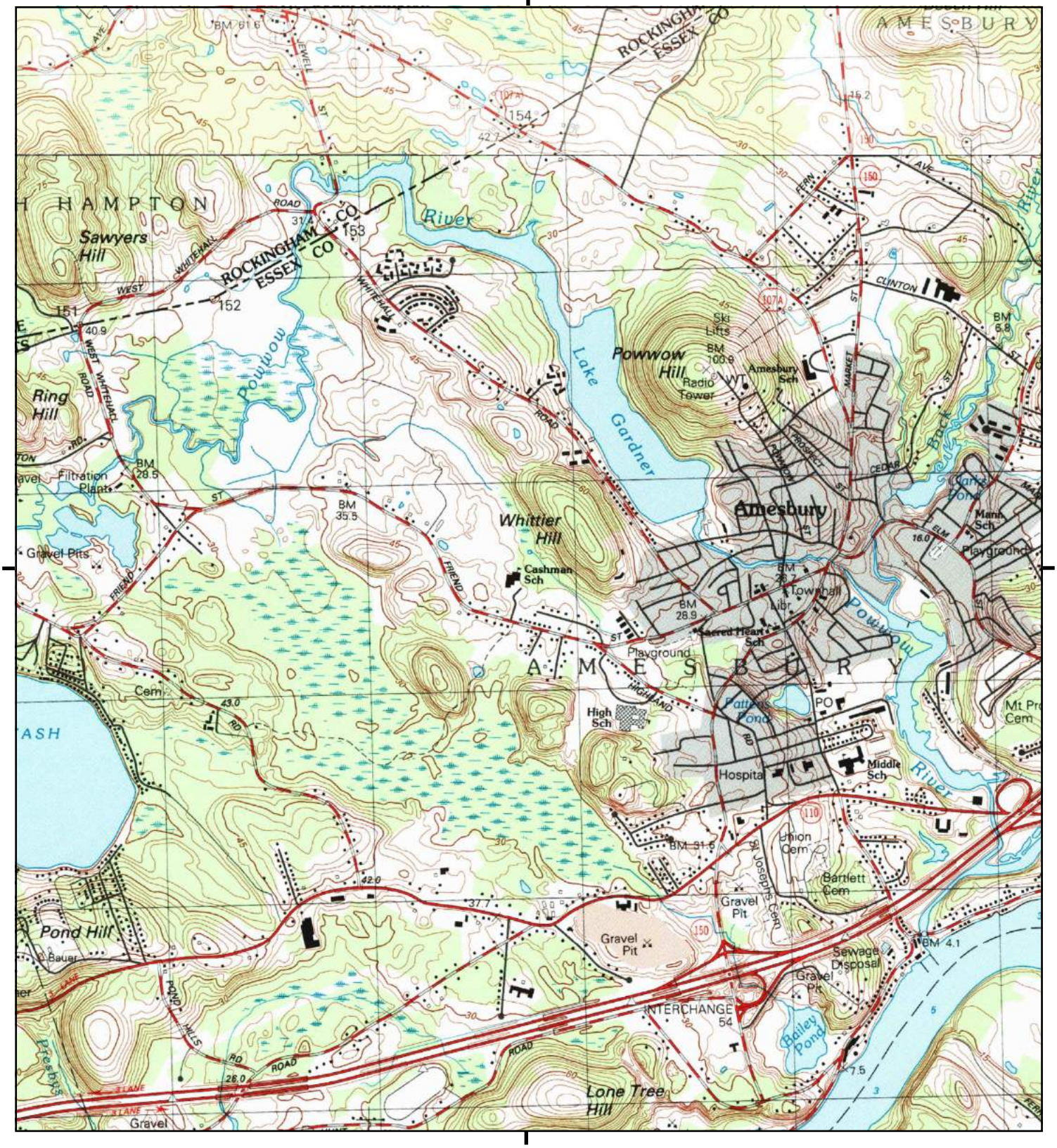
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newburyport West, 2012, 7.5-minute
N, Exeter, 2012, 7.5-minute

SITE NAME: Cashman Elementary School
ADDRESS: 193 Lions Mouth Rd
Amesbury, MA 01913
CLIENT: ECMS, Inc.

N



This report includes information from the following map sheet(s).

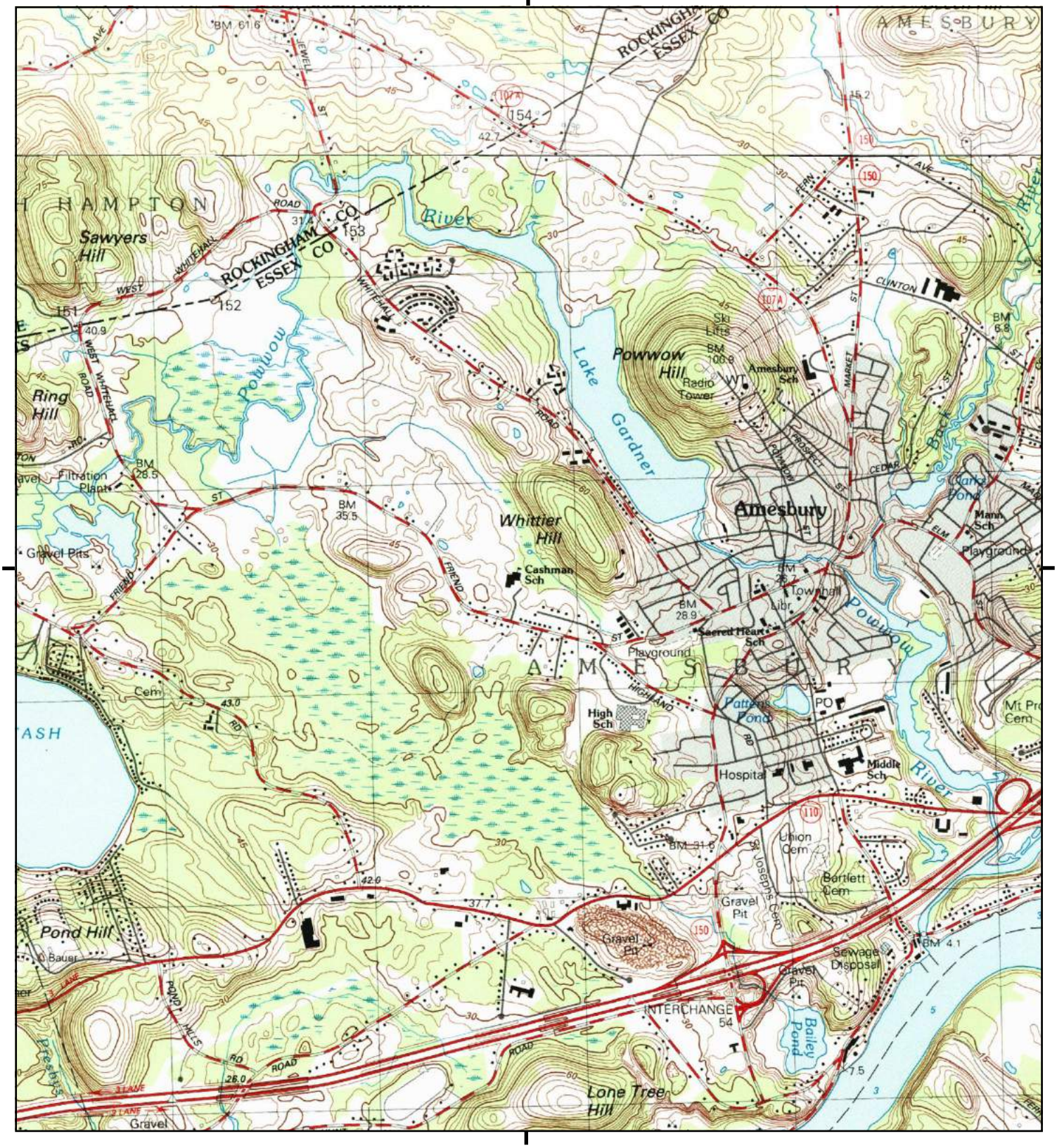
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newburyport, 1987, 7.5-minute
NE, Exeter, 1987, 7.5-minute

SITE NAME: Cashman Elementary School
ADDRESS: 193 Lions Mouth Rd
Amesbury, MA 01913
CLIENT: ECMS, Inc.

N



This report includes information from the following map sheet(s).

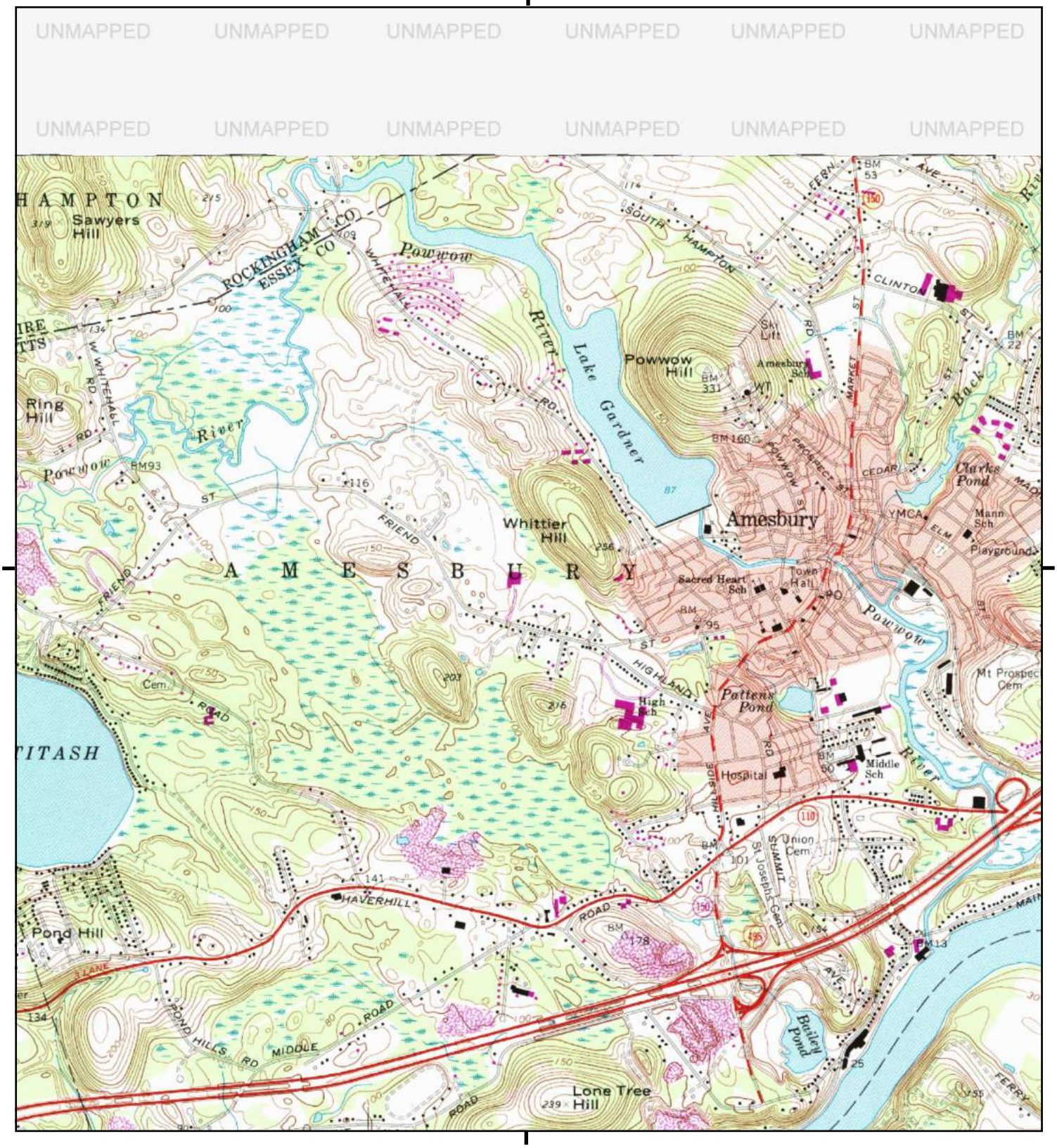
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newburyport, 1985, 7.5-minute
NE, Exeter, 1985, 7.5-minute

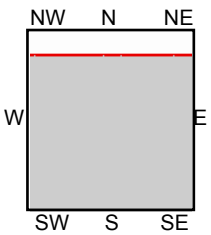
SITE NAME: Cashman Elementary School
ADDRESS: 193 Lions Mouth Rd
Amesbury, MA 01913
CLIENT: ECMS, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



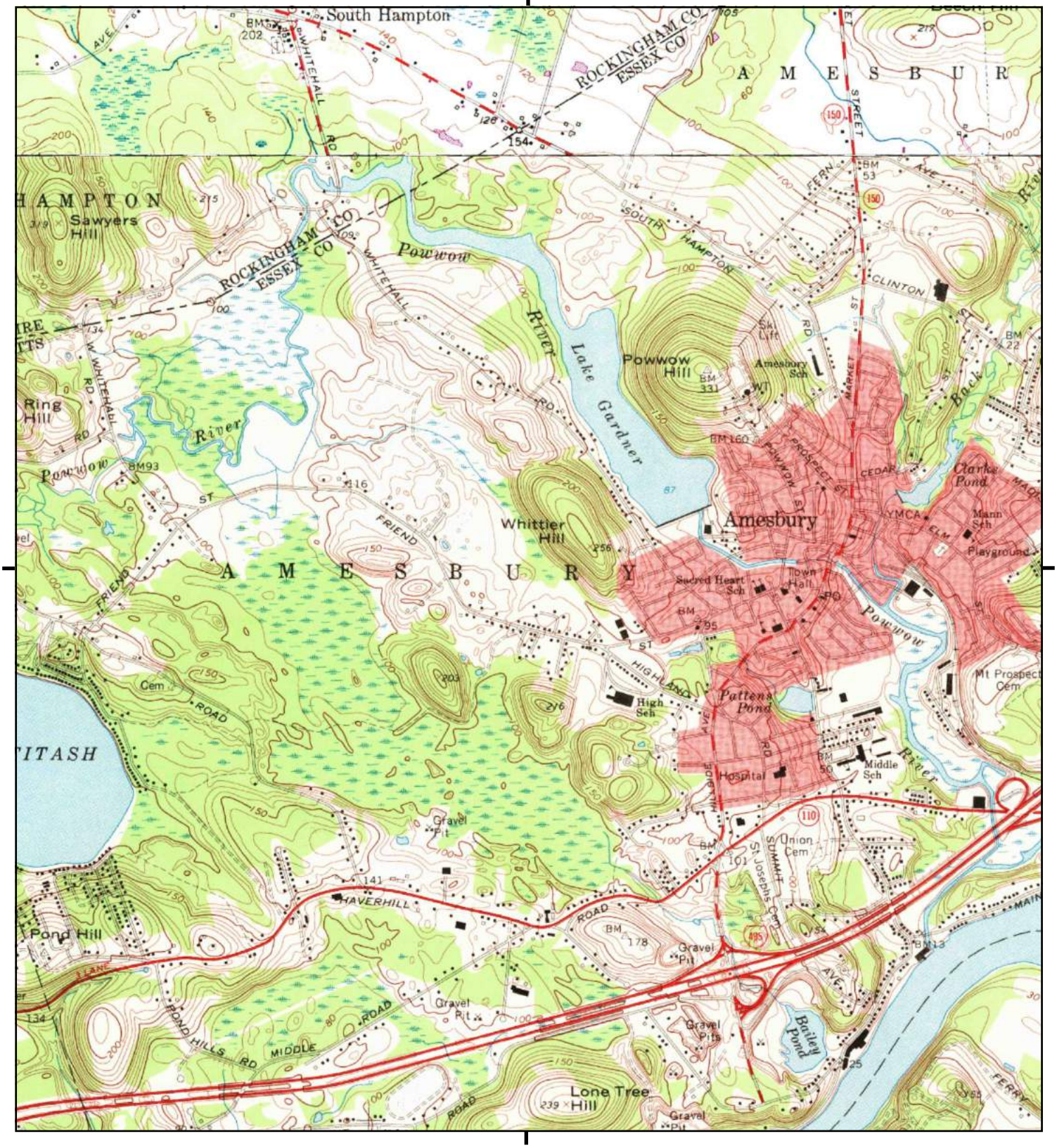
TP, Newburyport West, 1979, 7.5-minute

SITE NAME: Cashman Elementary School
ADDRESS: 193 Lions Mouth Rd
Amesbury, MA 01913
CLIENT: ECMS, Inc.

N

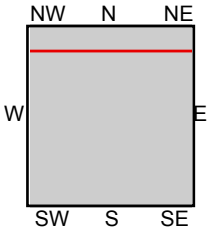
Historical Topo Map

1968, 1973



This report includes information from the following map sheet(s).

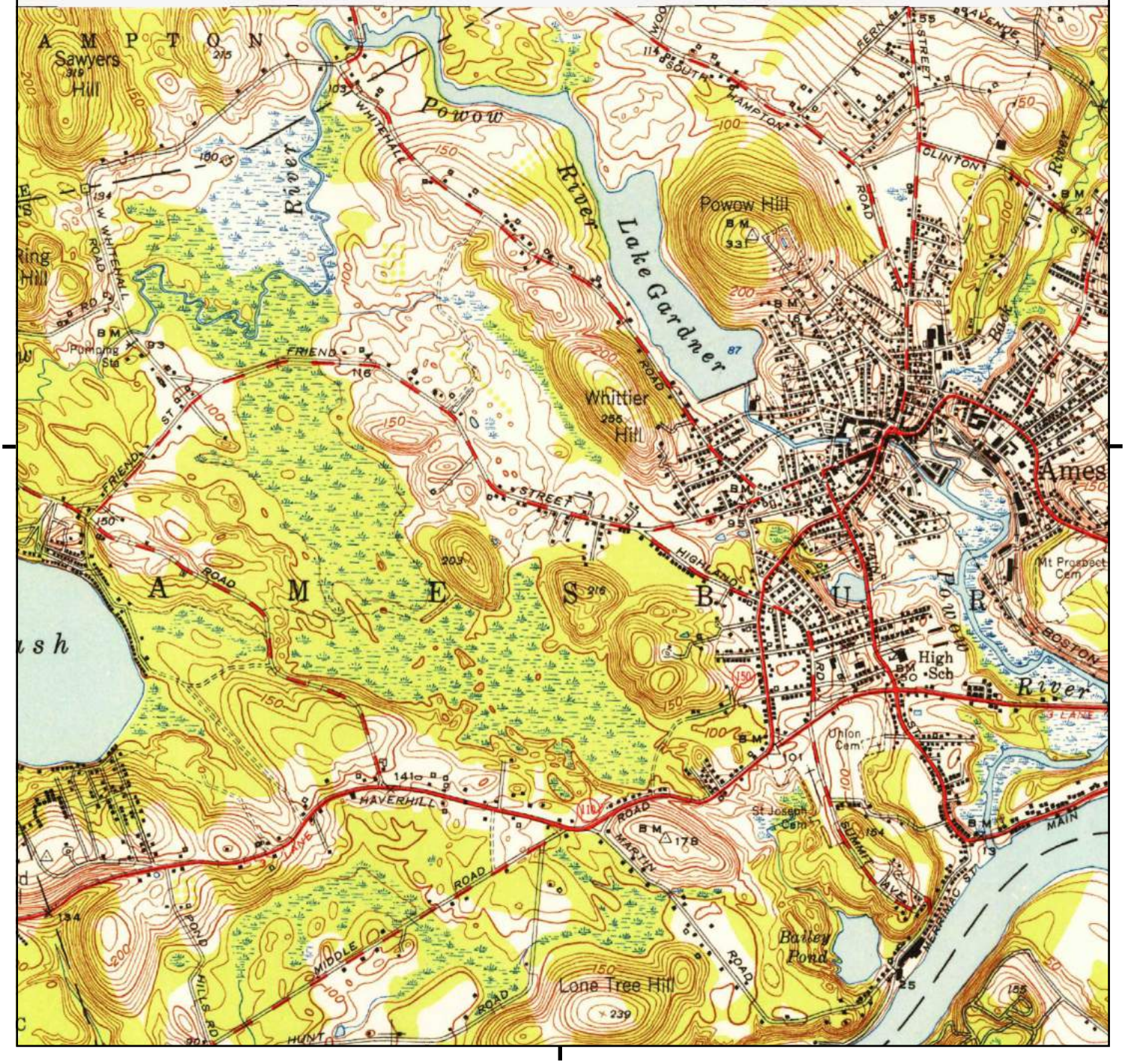
0 Miles 0.25 0.5 1 1.5



TP, Newburyport West, 1968, 7.5-minute
N, Exeter, 1973, 7.5-minute

SITE NAME: Cashman Elementary School
ADDRESS: 193 Lions Mouth Rd
Amesbury, MA 01913
CLIENT: ECMS, Inc.

N



This report includes information from the following map sheet(s).

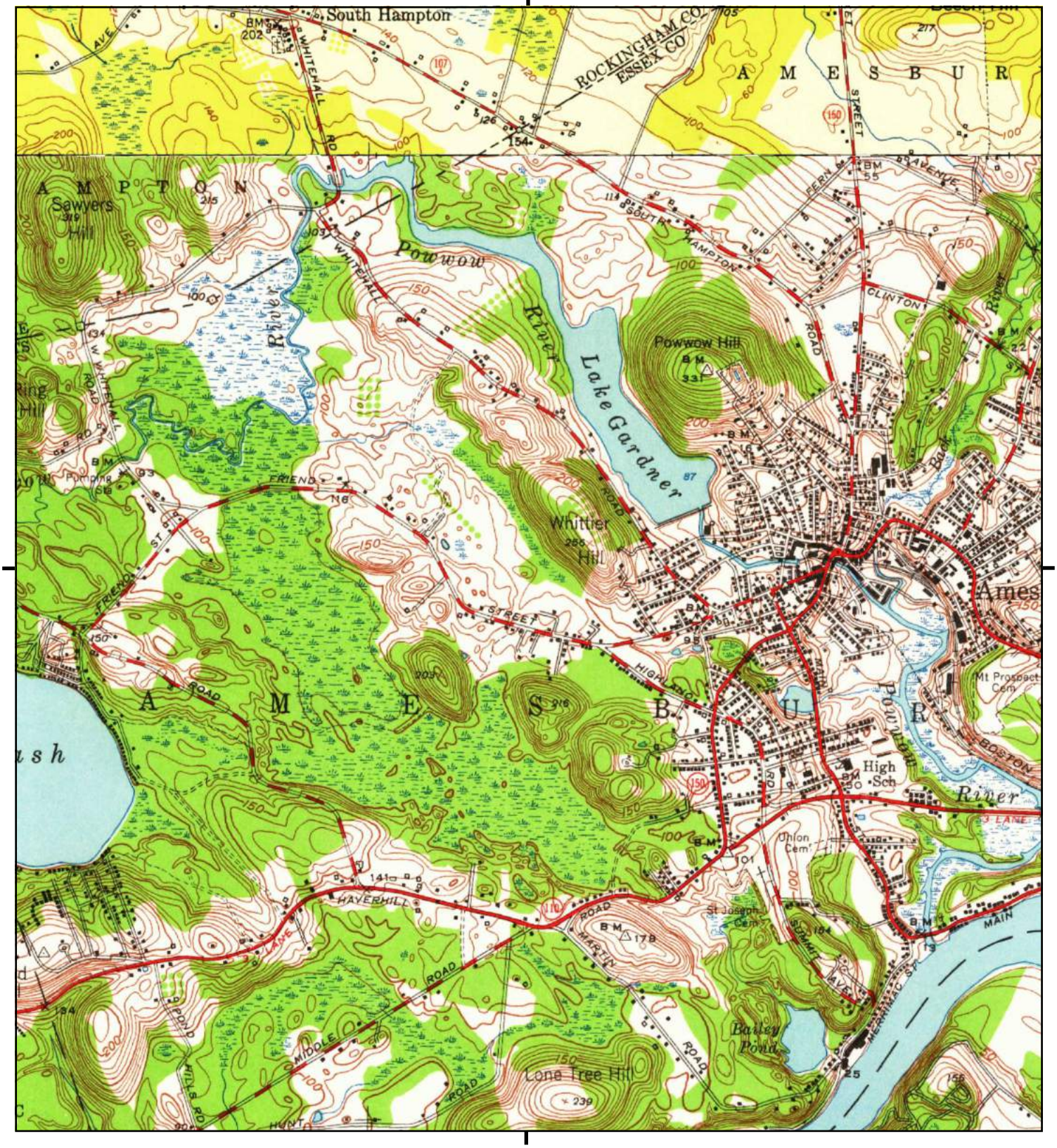
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newburyport West, 1952, 7.5-minute

SITE NAME: Cashman Elementary School
ADDRESS: 193 Lions Mouth Rd
Amesbury, MA 01913
CLIENT: ECMS, Inc.

N



This report includes information from the following map sheet(s).

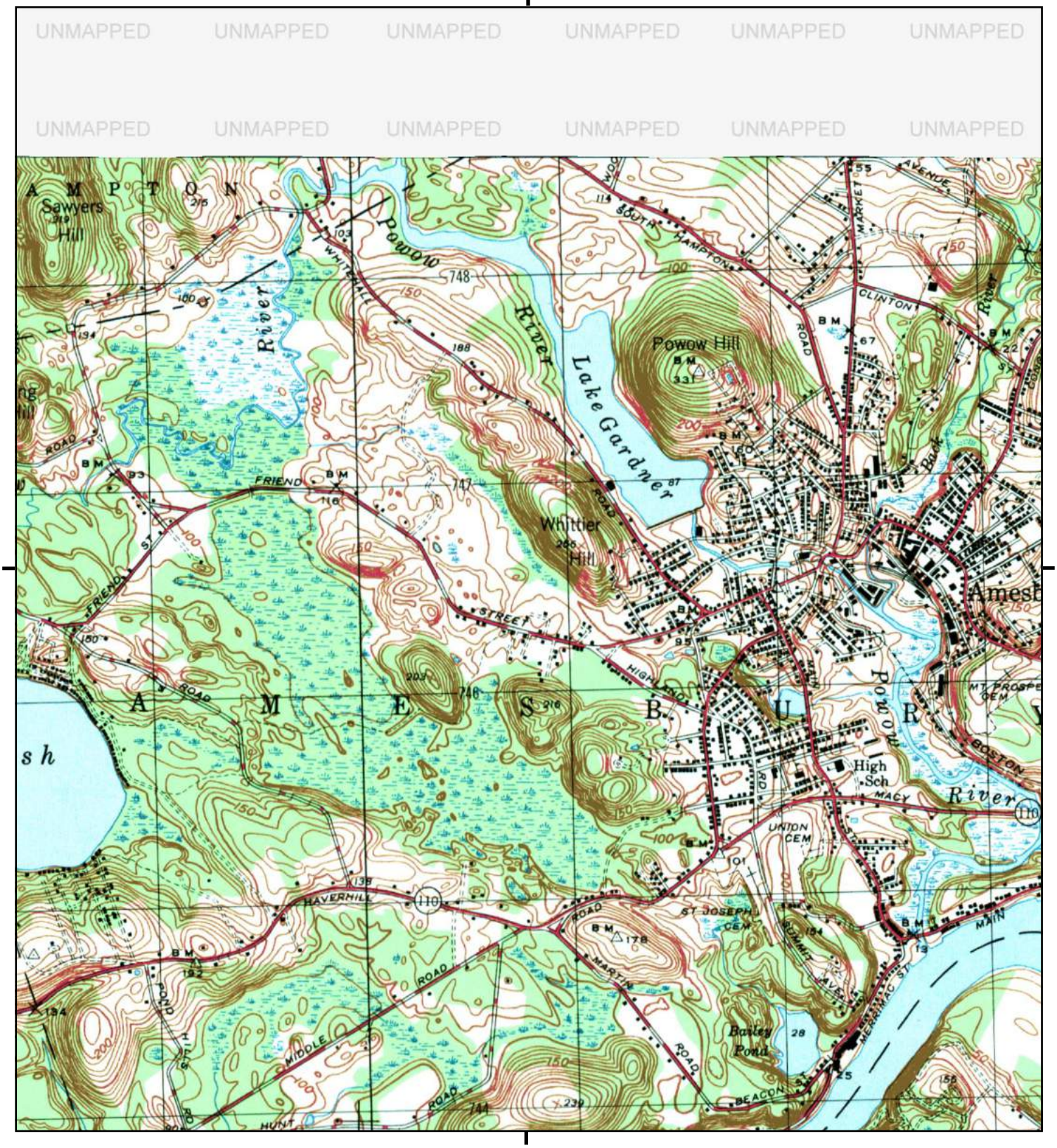
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newburyport West, 1952, 7.5-minute
N, Exeter, 1950, 7.5-minute

SITE NAME: Cashman Elementary School
ADDRESS: 193 Lions Mouth Rd
Amesbury, MA 01913
CLIENT: ECMS, Inc.

N



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

TP, NEWBURYPORT WEST, 1947, 7.5-minute

SITE NAME: Cashman Elementary School
ADDRESS: 193 Lions Mouth Rd
Amesbury, MA 01913
CLIENT: ECMS, Inc.

N



This report includes information from the following map sheet(s).

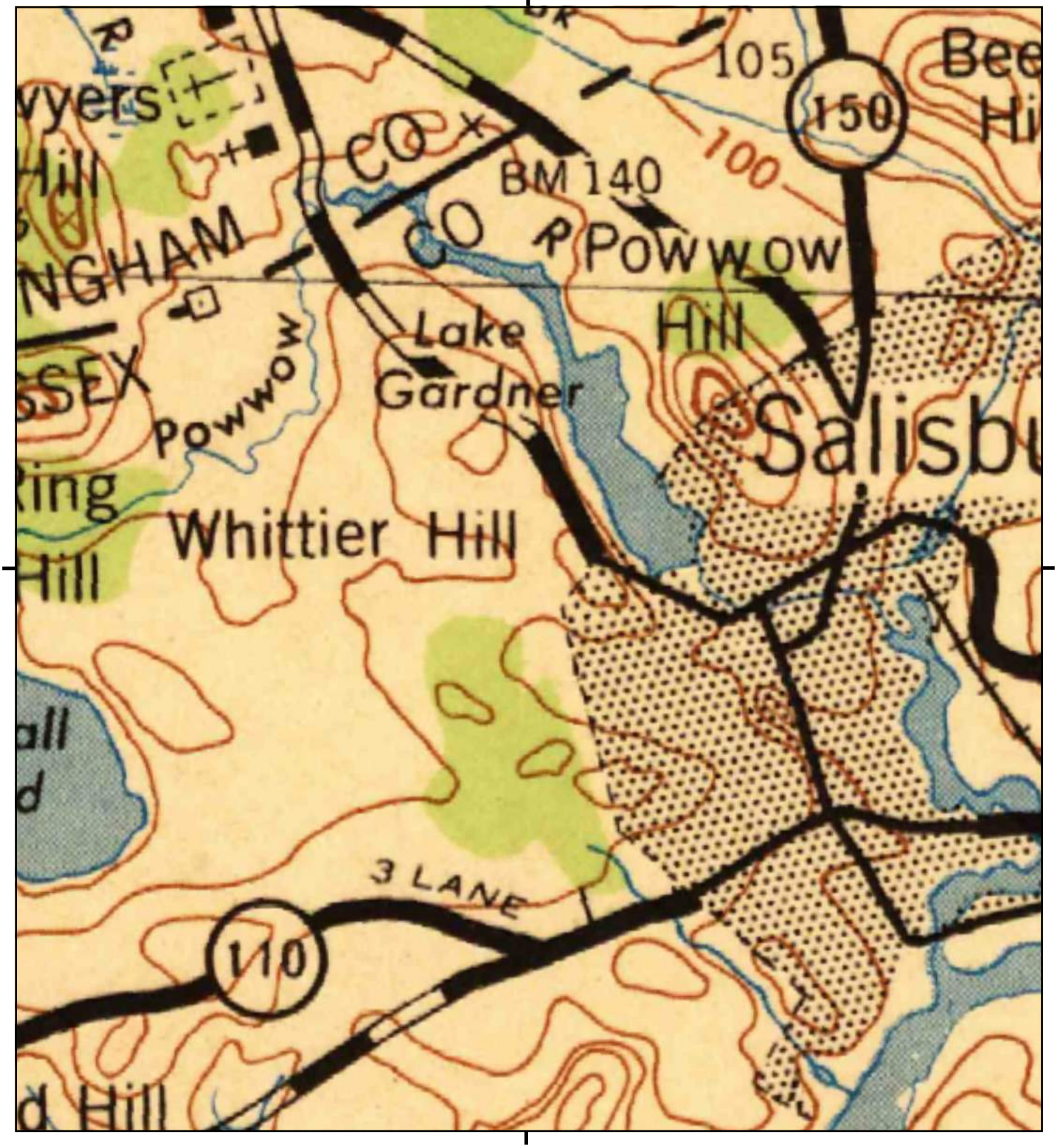
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newburyport West, 1944, 7.5-minute

SITE NAME: Cashman Elementary School
ADDRESS: 193 Lions Mouth Rd
Amesbury, MA 01913
CLIENT: ECMS, Inc.

N



This report includes information from the following map sheet(s).

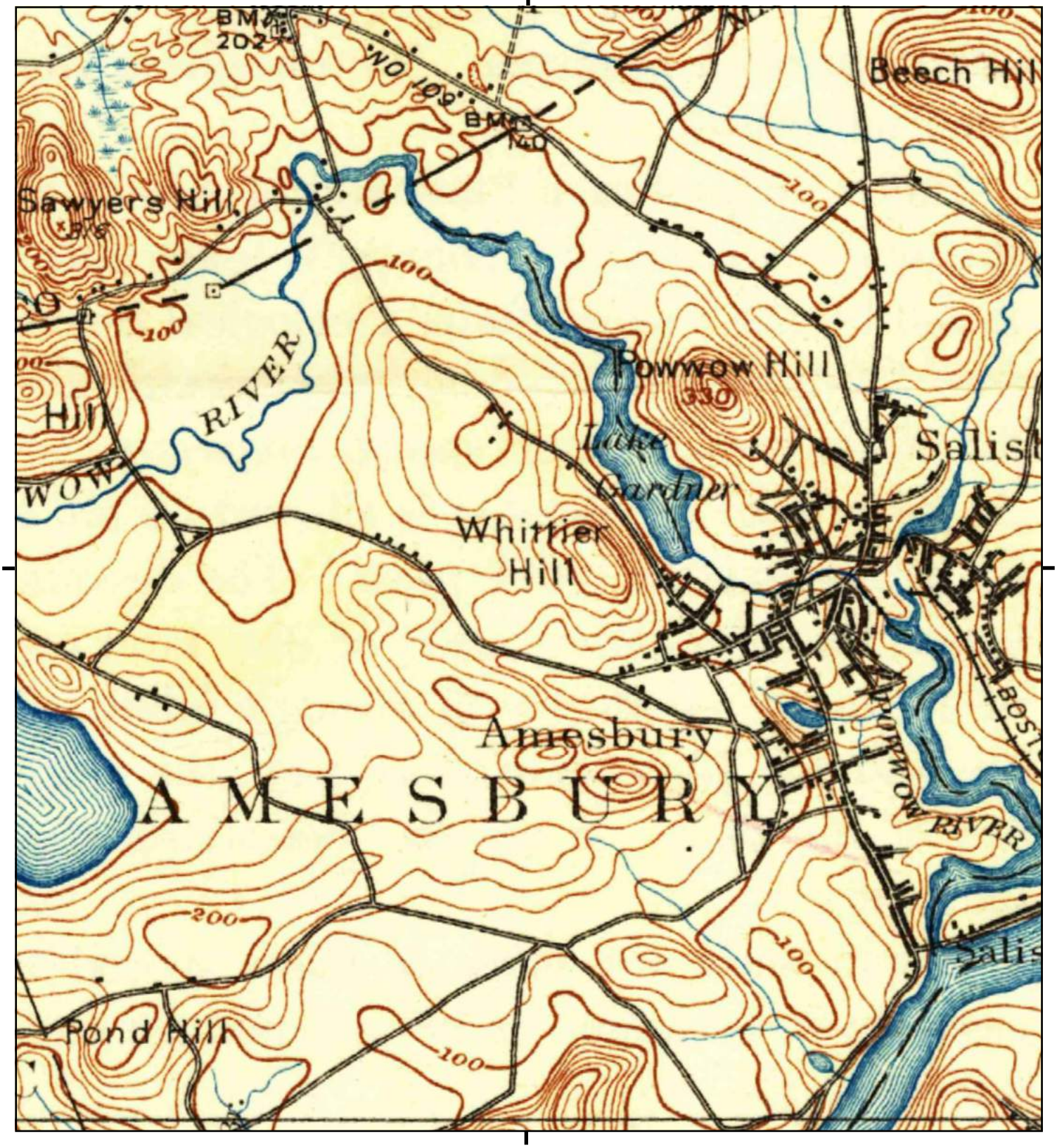
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Cape Ann, 1943, 30-minute

SITE NAME: Cashman Elementary School
ADDRESS: 193 Lions Mouth Rd
Amesbury, MA 01913
CLIENT: ECMS, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Exeter, 1934, 15-minute
TP, Newburyport, 1934, 15-minute

SITE NAME: Cashman Elementary School
ADDRESS: 193 Lions Mouth Rd
Amesbury, MA 01913
CLIENT: ECMS, Inc.

N



This report includes information from the following map sheet(s).

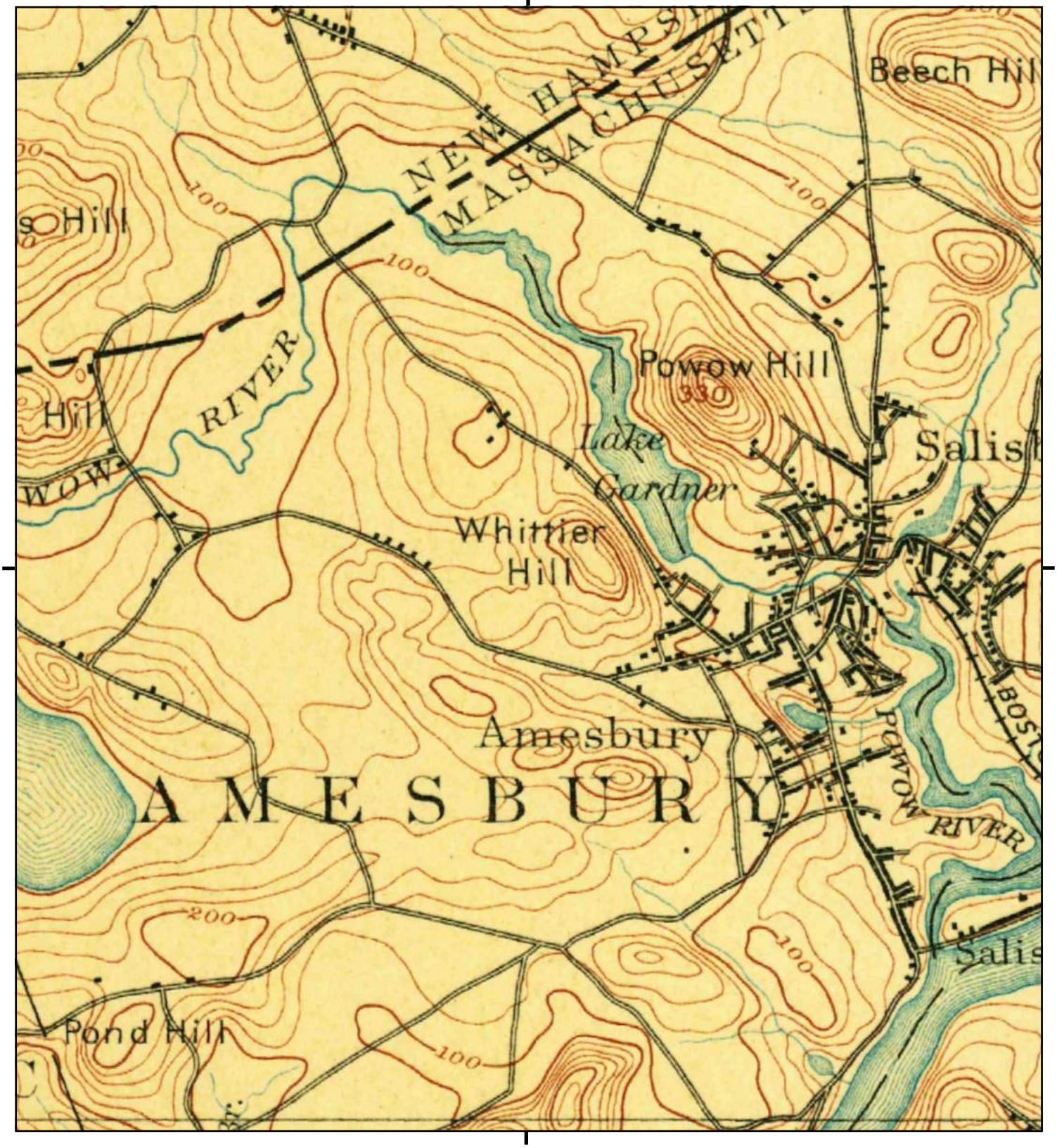
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newburyport, 1932, 15-minute

SITE NAME: Cashman Elementary School
ADDRESS: 193 Lions Mouth Rd
Amesbury, MA 01913
CLIENT: ECMS, Inc.

N



This report includes information from the following map sheet(s).

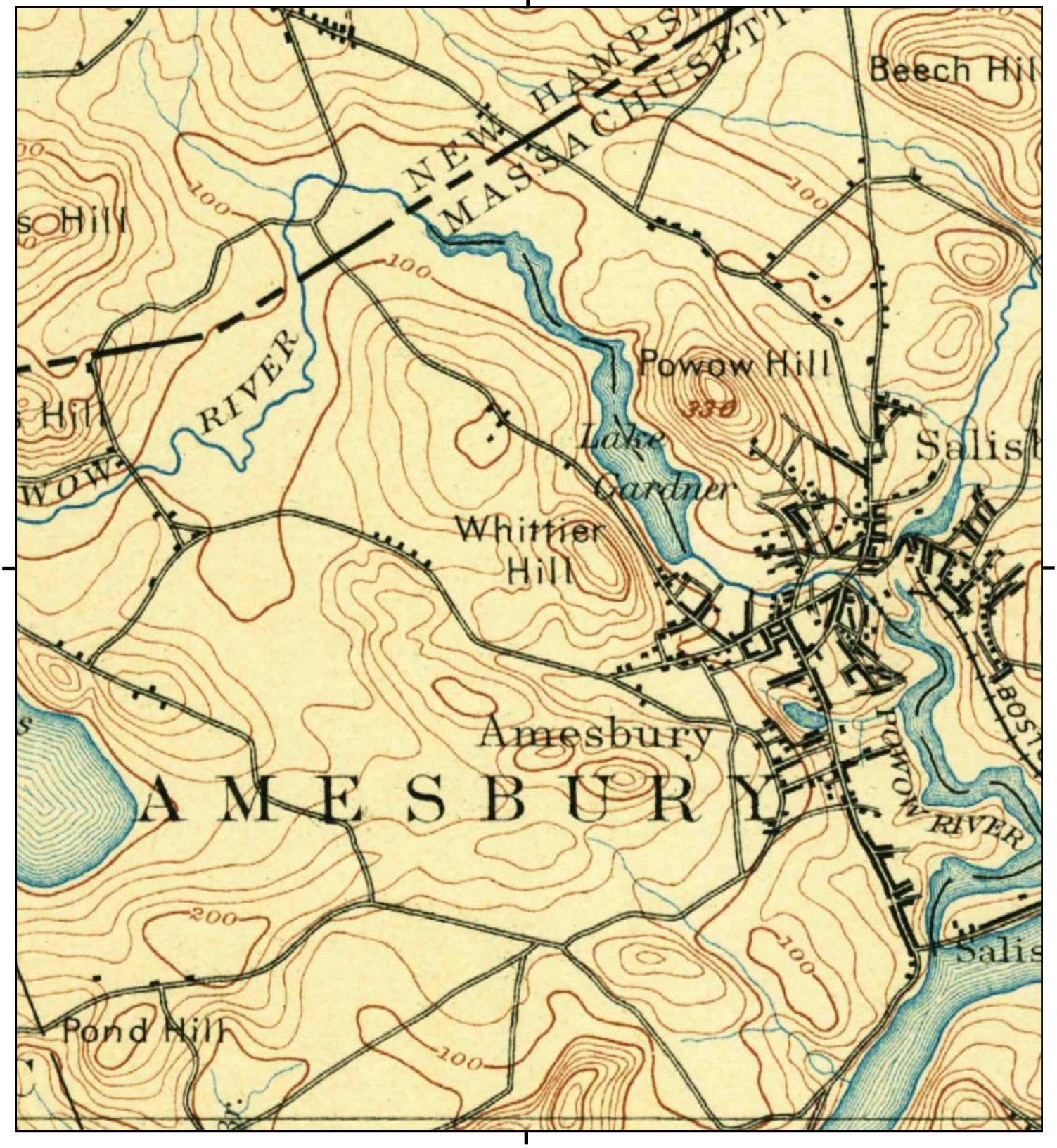
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newburyport, 1894, 15-minute

SITE NAME: Cashman Elementary School
ADDRESS: 193 Lions Mouth Rd
Amesbury, MA 01913
CLIENT: ECMS, Inc.

N



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NW N NE
W E
SW S SE

TP, Newburyport, 1890, 15-minute

SITE NAME: Cashman Elementary School
ADDRESS: 193 Lions Mouth Rd
Amesbury, MA 01913
CLIENT: ECMS, Inc.

N

Cashman Elementary School

193 Lions Mouth Rd

Amesbury, MA 01913

Inquiry Number: 5397483.8

August 17, 2018

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

08/17/18

Site Name:

Cashman Elementary School
193 Lions Mouth Rd
Amesbury, MA 01913
EDR Inquiry # 5397483.8

Client Name:

ECMS, Inc.
288 Grove Street #391
Braintree, MA 02184
Contact: Kevin Kavanaugh

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1998	1"=500'	Acquisition Date: April 11, 1998	USGS/DOQQ
1992	1"=500'	Flight Date: April 29, 1992	USGS
1986	1"=500'	Flight Date: April 01, 1986	USDA
1978	1"=500'	Flight Date: January 23, 1978	USGS
1973	1"=500'	Flight Date: April 16, 1973	USGS
1966	1"=500'	Flight Date: April 15, 1966	USGS
1960	1"=500'	Flight Date: May 01, 1960	USGS
1953	1"=500'	Flight Date: May 03, 1953	USGS
1938	1"=500'	Flight Date: November 01, 1938	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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INQUIRY #: 5397483.8
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 5397483.8
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 5397483.8
YEAR: 2009
= 500'
N
EDR



INQUIRY #: 5397483.8

YEAR: 2006

= 500'

N

EDR


INQUIRY #: 5397483.8
YEAR: 1998
= 500'
N
EDR



INQUIRY #: 5397483.8

YEAR: 1992

= 500'

N

EDR


INQUIRY #: 5397483.8
YEAR: 1986
= 500'
N
EDR



INQUIRY #: 5397483.8

YEAR: 1978

= 500'

N

EDR



INQUIRY #: 5397483.8

YEAR: 1973

= 500'

N

EDR



INQUIRY #: 5397483.8

YEAR: 1966

= 500'

N

EDR



INQUIRY #: 5397483.8

YEAR: 1960

= 500'

N

EDR


INQUIRY #: 5397483.8
YEAR: 1953
= 500'
N
EDR



INQUIRY #: 5397483.8

YEAR: 1938

= 500'

N

EDR

APPENDIX B

QUALIFICATIONS/LIMITATIONS

QUALIFICATIONS/LIMITATIONS

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

Factual information regarding on-site business operations, conditions, and historical data provided to *ECMS* is assumed to be correct and complete. *ECMS* assumes no responsibility for hidden or latent conditions or misrepresentation by the property owner, its representatives, public information officials or any authority consulted in connection with the compilation of this report.

The findings set forth in the attached Site assessment report are strictly limited in time and scope to the date of the evaluation(s). The conclusions presented in the Report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed upon services or the time and budgeting restraints imposed by the client.

The purpose of this report was to assess the physical characteristics of the subject Site with respect to the presence in the environment of hazardous material or oil. No specific attempt was made to check on the compliance of present or past owners or operators or of the Site with Federal, State or local laws and regulations, environmental, or otherwise.

Partial findings of this investigation are based on data provided by others. No warranty is expressed or implied with the usage of such data. Much of the information provided in this report is based upon personal interviews and research of all available documents, records and maps held by the appropriate government and private agencies. This is subject to the limitations of historical documentation, availability and accuracy of pertinent records, and the personal recollection of those persons contacted by *ECMS* personnel. *ECMS* is not a professional title insurance firm and makes no guarantee, explicit or implied that the listing, which was reviewed, represented a comprehensive delineation of past Site ownership or tenancy for legal purposes.

Observations were made of the Site and of structures on the Site as indicated within the Report. Where access to portions of the Site or to structures on the Site was unavailable or limited, *ECMS* is unable to render an opinion as to the presence of hazardous material or oil, or to the presence if indirect evidence relating to hazardous material or oil, in that portion of the Site or structure. In addition, *ECMS* renders no opinion as to the presence of hazardous material or oil, where direct observation of the interior walls, floor, or ceiling of a structure on a Site was obstructed by objects or coverings on or over these surfaces.

The initial site investigation took into account the natural and man-made features of the Site, including any unusual or suspect phenomenon. These factors combined with the Site's geology, hydrology, topography, and past and present land uses served as a basis for choosing a methodology and location for subsurface exploration as well as ground water and subsurface sampling, if done. The subsurface data, if provided, is meant as a representative overview of the Site.

The conclusions and recommendations contained in this report may be based in part upon various types of chemical data and are contingent upon their validity. As indicated within the Report, some

of these data are preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. It should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional data or variations of current data become available in the future, these data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.

Chemical analyses may have been performed for specific parameters during the course of this Site assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study might be present in soil and/or ground water at the Site.

APPENDIX C

RESUMES OF COMPETENT ENVIRONMENTAL PROFESSIONAL

KEVIN J. KAVANAUGH, L.S.P., CHMM

Principal Environmental Engineer

Kevin has over 33 years of engineering/hydrogeological consulting, environmental site assessment and site remediation experience. In addition to his fiscal and marketing duties as a Principal Environmental Engineer and Chief Executive Officer (CEO) at *Environmental & Construction Management Services, Inc.* (*ECMS*), he oversees the environmental staff, coordinates business and professional development of staff, provides technical QA/QC, and offers specialized corporate technical support in accordance with state and federal regulatory agencies.

Prior to co-founding *ECMS*, Kevin was the National Accounts Director for Hygienetics Environmental Services, Inc. (Hygienetics) in Boston, Massachusetts. As the National Account Director he managed the nationwide environmental due diligence and consulting services for Hygienetics National Accounts including GE Capital Real Estate, Archon Group LP, Finova Realty Capital, American General Realty Advisors, Metropolitan Life Insurance and State Teachers Retirement System of Ohio for all of Hygienetics 14 Offices throughout the Continental United States.

Kevin is a Massachusetts Licensed Site Professional (LSP) since May 1994 and Certified Hazardous Materials Manager (CHMM) since 1998 with extensive experience with preparation and submission of every aspect of the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 including; Phase I through Phase V reports, Downgradient Property Status (DPS), Activity and Use Limitations (AULs), Method 1 and 3 Risk Characterizations, Class A, B and C Response Action Outcome (RAO) and Permanent Solutions, Numerical Site Ranking, Immediate Response Action (IRA) Plans and Release Abatement Measure (RAM) Plans, status and completion reports, Tier I Permit Applications, Major Permit Modifications and vapor intrusion assessments. He also provided LSP technical report review and provided cost estimates for various lending institutions, insurance companies, law offices and other property acquisition/development corporations. In addition to his extensive experience in Massachusetts, he has personally performed either environmental site assessments and/or site remediation in New Hampshire, Georgia, Rhode Island, New Jersey, Texas, Kansas, California, Florida, Michigan and Pennsylvania.

Prior to joining Hygienetics in 1996, Kevin worked as a Site Operation's Manager/Senior Environmental Engineer responsible for all technical and business activities for a 13-person branch office for Groundwater & Environmental Services, Inc. (a full-service environmental consulting/remediation firm).

Some of his accomplishments include:

Technical Specialties:

Phase I and II Environmental Site Assessments

Soil and Groundwater Investigations

Risk-Based Closure Assessments

UST Management/Closure

Soil and Groundwater Remediation

Education:

B.S., Civil Engineering, University of Maine at Orono, 1985

Certifications:

Massachusetts Licensed Site Professional (LSP) License No. 7610

Certified Hazardous Materials Manager (CHMM) License No. 9287

OSHA Standard 29 CFR 1920 and SARA Section 126(d) (HAZWOPER)

Professional Affiliations:

Massachusetts Licensed Site Professionals Association (LSPA)

KEVIN J. KAVANAUGH, L.S.P., CHMM

Principal Environmental Engineer

- National Account Director as the primary contact for the Hygienetics National Account's Program. A partial client list includes: GE Capital Real Estate, Archon Group LP, Finova Realty Capital, American General Realty Advisors, Storage USA, Metropolitan Life Insurance and State Teachers Retirement System of Ohio.

- Performed and/or supervised the performance of over 1,200 due diligence environmental assessment reports throughout the country. A partial list of local and nationwide client includes: Princeton Properties Management, Jones Lang LaSalle, John Hancock, Trammell Crow Company, Starwood Lodging, Equitable Real Estate, Northwestern Mutual Life Insurance, Insignia/ESG, Cornerstone Properties, Equity Office Properties, Prudential Real Estate and Marriott/Claris Corporation.

- Supervised a technical staff of 13 and was New England Regional Account Manager for a $1 million/year major oil corporation client.

- Designed or redesigned and directed the installation of over 50 remedial treatment systems including dual phase extraction (high vacuum extraction), soil vacuum extraction, air sparging and product/ groundwater recovery and treatment.

- Developed New England regional LSP risk-based closure program for existing client base.

- Performed all phases of environmental project development and management including: groundwater modeling, hydrogeologic studies, physical and chemical interpretation of field data, preparation and review of initial and complex site assessments, and remedial action reports in accordance with MGL21E, MCP, RCRA and other regulations.

- Performed other technical activities including a variety of pilot tests (aquifer, hydraulic conductivity, vacuum extraction and air sparging), the preparing of Wetlands Notice of Intents, air and groundwater discharge permitting and supervision of UST removals/closures.

- Directed the operation and maintenance of over 125 active soil and groundwater organic contamination recovery and treatment systems. Remedial treatment systems included soil vacuum extraction, air sparging, UV peroxidation, hydrogen peroxide Injection and product/groundwater recovery and treatment.

- Completed over 300 MCP Method 1, Method 2 and Method 3 Risk Characterizations and Class A, B and C Response Action Outcomes (RAOs)/Permanent Solutions (regulatory site closures).

- Managed and completed a 40 property real estate due diligence Phase I ESA nationwide portfolio for a large National Account Real Estate Client in an expedited timeframe.

Technical Specialties:

Phase I and II Environmental Site Assessments

Soil and Groundwater Investigations

Risk-Based Closure Assessments

UST Management/Closure

Soil and Groundwater Remediation

Education:

B.S., Civil Engineering, University of Maine at Orono, 1985

Certifications:

Massachusetts Licensed Site Professional (LSP) License No. 7610

Certified Hazardous Materials Manager (CHMM) License No. 9287

OSHA Standard 29 CFR 1920 and SARA Section 126(d) (HAZWOPER)

Professional Affiliations:

Massachusetts Licensed Site Professionals Association (LSPA)

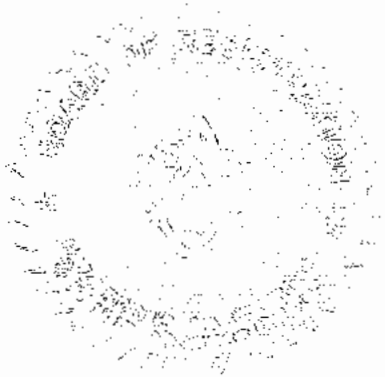
The Commonwealth of Massachusetts

BOARD OF REGISTRATION OF HAZARDOUS WASTE SITE CLEANUP PROFESSIONALS

This is to Certify That

Kevin J. Kavanaugh

has been duly registered by this Board as a qualified Licensed Site Professional as provided by the laws of the Commonwealth.



Boston, Massachusetts **August 18, 2017**

Chairperson of the Board

7610 *License Number*

July 30, 2020 *Expiration Date*

APPENDIX D

ASSESSOR'S PROPERTY FIELD CARD

193 LIONS MOUTH RD

Location	193 LIONS MOUTH RD	**Mblu**	50/ / 6/ /
Acct#		**Owner**	AMESBURY CITY OF
Assessment	$8,061,100	**PID**	4685
Building Count	1		

Current Value

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$6,545,400	$1,515,700	$8,061,100

Owner of Record

Owner	AMESBURY CITY OF	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	TOWN HALL AMESBURY, MA 01913	**Book & Page**	05833/0124
		Sale Date	12/30/1971

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
AMESBURY CITY OF	$0		05833/0124	12/30/1971

Building Information

Building 1 : Section 1

Year Built:	1975
Living Area:	61,320
Replacement Cost:	$9,437,102
Building Percent Good:	65
Replacement Cost Less Depreciation:	$6,134,100

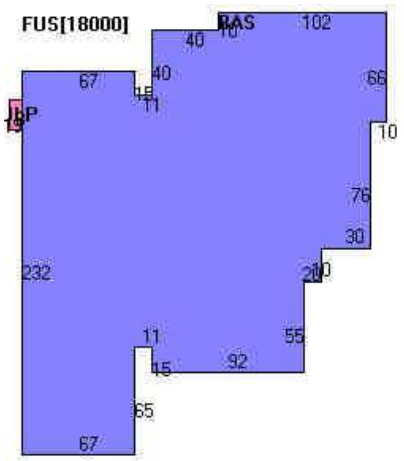
Building Attributes	
Field	**Description**
STYLE	High School
MODEL	Commercial
Grade	Average +10
Stories:	2
Occupancy	2
Exterior Wall 1	Brick/Masonry
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	Minim/Masonry
Interior Floor 1	Vinyl/Asphalt
Interior Floor 2	
Heating Fuel	Gas
Heating Type	Forced Air-Duc
AC Type	None
Bldg Use	PUB-SCHOOL
Total Rooms	
Total Bedrms	00
Total Baths	2
1st Floor Use:	9033
Heat/AC	NONE
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	SUS-CEIL & WL
Rooms/Prtns	AVERAGE
Wall Height	14
% Comn Wall	0

Building Photo



(http://images.vgsi.com/photos/AmesburyMAPhotos//\00\01\57/55.jpg)

Building Layout



Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	43,320	43,320
FUS	Upper Story, Finished	18,000	18,000
ULP	Loading Platform, Unfinished	152	0
		61,472	61,320

Extra Features

Extra Features				Legend
Code	**Description**	**Size**	**Value**	**Bldg #**
SPR2	WET CONCEALED	56760 S.F.	$129,100	1
ELV2	COMM/AVG	4 UNIT	$104,000	1

Land

Land Use

Use Code	9340
Description	Education C
Zone	OSC
Neighborhood	0200
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	35.32
Frontage	180
Depth	1200
Assessed Value	$1,515,700

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
PAV1	PAV ASPH			74574 S.F.	$138,000	1
LT1	LIGHTS INC 1			7 UNITS	$2,400	1
LT2	LIGHTS INC 2			2 UNITS	$1,100	1
	BLEACHR			1	$1,000	1
CAB2	W/PLUMB			576 S.F.	$16,100	1
LT12	LIGHTS SOD 4			4 UNITS	$13,300	1
WDDK	WOOD DECK			559 S.F.	$6,000	1
SGN1	SIGN 1 SIDE			16 SF+HT	$300	1

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APPENDIX E

ENVIRONMENTAL DATA RESOURCES, INC. (EDR) DATABASE REPORT

Cashman Elementary School
193 Lions Mouth Rd
Amesbury, MA 01913

Inquiry Number: 5397483.2s
August 17, 2018

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	144
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-14
Physical Setting Source Map Findings	A-16
Physical Setting Source Records Searched	PSGR-1

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

193 LIONS MOUTH RD
AMESBURY, MA 01913

COORDINATES

Latitude (North):	42.8572390 - 42° 51' 26.06''
Longitude (West):	70.9483540 - 70° 56' 54.07''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	340818.9
UTM Y (Meters):	4746588.0
Elevation:	105 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5644860 NEWBURYPORT WEST, MA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140712
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
193 LIONS MOUTH RD
AMESBURY, MA 01913

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	WOODSOM FARMS TRUST	LIONS MOUTH RD	UST, Financial Assurance	Higher	1091, 0.207, SSE
2	NO LOCATION AID	91 HIGH ST	SHWS, RELEASE, HW GEN	Lower	2898, 0.549, East
3	PROPERTY	99 FRIEND STREET	SHWS, RELEASE	Lower	3161, 0.599, East
4	AT 12 GREENLEAF ST (	12 GREENLEAF STREET	SHWS	Lower	3235, 0.613, ESE
5	MICHAUDS GARAGE	96-98 FRIEND STREET	SHWS, RELEASE	Lower	3360, 0.636, East
6	GOODWIN CREEK MARINA	14 PLEASANT STREET	SHWS, LUST, RELEASE	Lower	3772, 0.714, ESE
A7	FLOSMAN, JOSEPH	8-10 SCHOOL ST	SHWS, RELEASE, ENF	Lower	3965, 0.751, East
A8	SPACE AGE CLEANERS	6 SCHOOL ST	SHWS, RELEASE, ASBESTOS, ENF	Lower	3966, 0.751, East
B9	FMR TRADER ALLENS TR	21 POND VIEW AVE	SHWS, LUST, RELEASE, ENF	Lower	4027, 0.763, East
B10	NO LOCATION AID	19 POND ST	SHWS, INST CONTROL, RELEASE	Lower	4040, 0.765, East
11	NO LOCATION AID	36 HIGH ST	SHWS, LUST, RELEASE, ENF	Lower	4205, 0.796, East
C12	37 FRIEND STREET REA	37 FRIEND ST	SHWS, RELEASE, ENF	Lower	4224, 0.800, East
C13	TEDS TEXACO FMR	46-50 52-54 FRIEND S	SHWS, RELEASE	Lower	4237, 0.802, East
14	NO LOCATION AID	21 HILLSIDE AVE	SHWS, RELEASE	Lower	4345, 0.823, SE
15	NO LOCATION AID	36 MAIN ST	SHWS, INST CONTROL, RELEASE	Lower	4764, 0.902, East
16	MILL YARD SITE	MAIN ST HIGH ST	SHWS, RELEASE	Lower	4903, 0.929, East
17	PROPERTY	194 MAIN ST	SHWS, RELEASE, ASBESTOS	Lower	4921, 0.932, ESE
18	REID S FOUNDRY	MILL STREET EXT	SHWS, RELEASE	Lower	4933, 0.934, East
D19	NO LOCATION AID	33 MILL STREET	SHWS, BROWNFIELDS, RELEASE, ENF	Lower	4999, 0.947, East
20	HILLSIDE NO 66 SUBST	9 ALENCLAIR DR	SHWS, RELEASE	Lower	5007, 0.948, SSE
21	NO LOCATION AID	5-29 WATER STREET	SHWS, LUST, RELEASE	Lower	5041, 0.955, East
D22	ABUTTING SUBSTATION	MILL ST	SHWS, INST CONTROL, RELEASE	Lower	5055, 0.957, East
23	TRADER ALLEN TRUCK S	RTE 150 EXETER RD	SHWS, RELEASE	Lower	5123, 0.970, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List

US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

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

SWF/LF ---------- Solid Waste Facility Database/Transfer Stations

State and tribal leaking storage tank lists

LAST ---------- Leaking Aboveground Storage Tank Sites
LUST ---------- Leaking Underground Storage Tank Listing
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
AST ---------- Aboveground Storage Tank Database
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL ---------- Sites With Activity and Use Limitation

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ---------- Completed Brownfields Covenants Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
US CDL ---------- National Clandestine Laboratory Register

Local Land Records

LIENS ---------- Liens Information Listing

LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Historical Spill List
RELEASE	Reportable Releases Database
SPILLS 90	SPILLS 90 data from FirstSearch
SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
AIRS	Permitted Facilities Listing
ASBESTOS	ASBESTOS
DRYCLEANERS	Regulated Drycleaning Facilities
ENF	Enforcement Action Cases
Financial Assurance	Financial Assurance Information Listing

GWDP ---------- Ground Water Discharge Permits
HW GEN ---------- List of Massachusetts Hazardous Waste Generators
MERCURY ---------- Mercury Product Recyling Drop-Off Locations Listing
NPDES ---------- NPDES Permit Listing
TIER 2 ---------- Tier 2 Information Listing
TSD ---------- TSD Facility

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

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

A review of the SHWS list, as provided by EDR, and dated 04/18/2018 has revealed that there are 22 SHWS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NO LOCATION AID	***91 HIGH ST***	***E 1/2 - 1 (0.549 mi.)***	***2***	***9***
Release Tracking Number / Current Status: 3-0020490 / RAO				
PROPERTY	***99 FRIEND STREET***	***E 1/2 - 1 (0.599 mi.)***	***3***	***12***
Release Tracking Number / Current Status: 3-0031813 / PSNC				
AT 12 GREENLEAF ST (	12 GREENLEAF STREET	ESE 1/2 - 1 (0.613 mi.)	4	17

Release Tracking Number / Current Status: 3-0034813 / UNCLSS

MICHAUDS GARAGE	***96-98 FRIEND STREET***	***E 1/2 - 1 (0.636 mi.)***	***5***	***18***
Release Tracking Number / Current Status: 3-0031607 / RAO				
GOODWIN CREEK MARINA	***14 PLEASANT STREET***	***ESE 1/2 - 1 (0.714 mi.)***	***6***	***20***
Release Tracking Number / Current Status: 3-0033647 / PSNC				
FLOSMAN, JOSEPH	***8-10 SCHOOL ST***	***E 1/2 - 1 (0.751 mi.)***	***A7***	***26***
Release Tracking Number / Current Status: 3-0026999 / TIER1D				
SPACE AGE CLEANERS	***6 SCHOOL ST***	***E 1/2 - 1 (0.751 mi.)***	***A8***	***45***
Release Tracking Number / Current Status: 3-0026060 / TIERII				
FMR TRADER ALLENS TR	***21 POND VIEW AVE***	***E 1/2 - 1 (0.763 mi.)***	***B9***	***59***
Release Tracking Number / Current Status: 3-0025880 / TIERII				
Release Tracking Number / Current Status: 3-0025667 / TIERII				
Release Tracking Number / Current Status: 3-0030391 / RAO				
NO LOCATION AID	***19 POND ST***	***E 1/2 - 1 (0.765 mi.)***	***B10***	***79***
Release Tracking Number / Current Status: 3-0022389 / RAO				
Release Tracking Number / Current Status: 3-0020783 / RAO				
NO LOCATION AID	***36 HIGH ST***	***E 1/2 - 1 (0.796 mi.)***	***11***	***86***
Release Tracking Number / Current Status: 3-0021511 / RAO				
37 FRIEND STREET REA	***37 FRIEND ST***	***E 1/2 - 1 (0.800 mi.)***	***C12***	***96***
Release Tracking Number / Current Status: 3-0002855 / RAO				
TEDS TEXACO FMR	***46-50 52-54 FRIEND S***	***E 1/2 - 1 (0.802 mi.)***	***C13***	***98***
Release Tracking Number / Current Status: 3-0001792 / RAO				
NO LOCATION AID	***21 HILLSIDE AVE***	***SE 1/2 - 1 (0.823 mi.)***	***14***	***99***
Release Tracking Number / Current Status: 3-0011936 / RAO				
NO LOCATION AID	***36 MAIN ST***	***E 1/2 - 1 (0.902 mi.)***	***15***	***102***
Release Tracking Number / Current Status: 3-0013943 / RAO				
MILL YARD SITE	***MAIN ST HIGH ST***	***E 1/2 - 1 (0.929 mi.)***	***16***	***106***
Release Tracking Number / Current Status: 3-0000200 / DEPNFA				
PROPERTY	***194 MAIN ST***	***ESE 1/2 - 1 (0.932 mi.)***	***17***	***108***
Release Tracking Number / Current Status: 3-0002068 / RAO				
REID S FOUNDRY	***MILL STREET EXT***	***E 1/2 - 1 (0.934 mi.)***	***18***	***110***
Release Tracking Number / Current Status: 3-0000513 / DEPNFA				
NO LOCATION AID	***33 MILL STREET***	***E 1/2 - 1 (0.947 mi.)***	***D19***	***112***
Release Tracking Number / Current Status: 3-0029912 / TIERII				
Release Tracking Number / Current Status: 3-0030292 / RAONR				
HILLSIDE NO 66 SUBST	***9 ALENCLAIR DR***	***SSE 1/2 - 1 (0.948 mi.)***	***20***	***126***
Release Tracking Number / Current Status: 3-0029867 / PSC				
NO LOCATION AID	***5-29 WATER STREET***	***E 1/2 - 1 (0.955 mi.)***	***21***	***129***
Release Tracking Number / Current Status: 3-0032310 / URAM				
ABUTTING SUBSTATION	***MILL ST***	***E 1/2 - 1 (0.957 mi.)***	***D22***	***137***
Release Tracking Number / Current Status: 3-0014817 / RAO				
TRADER ALLEN TRUCK S	***RTE 150 EXETER RD***	***E 1/2 - 1 (0.970 mi.)***	***23***	***142***
Release Tracking Number / Current Status: 3-0001604 / RAO				

State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, and dated 04/18/2018 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

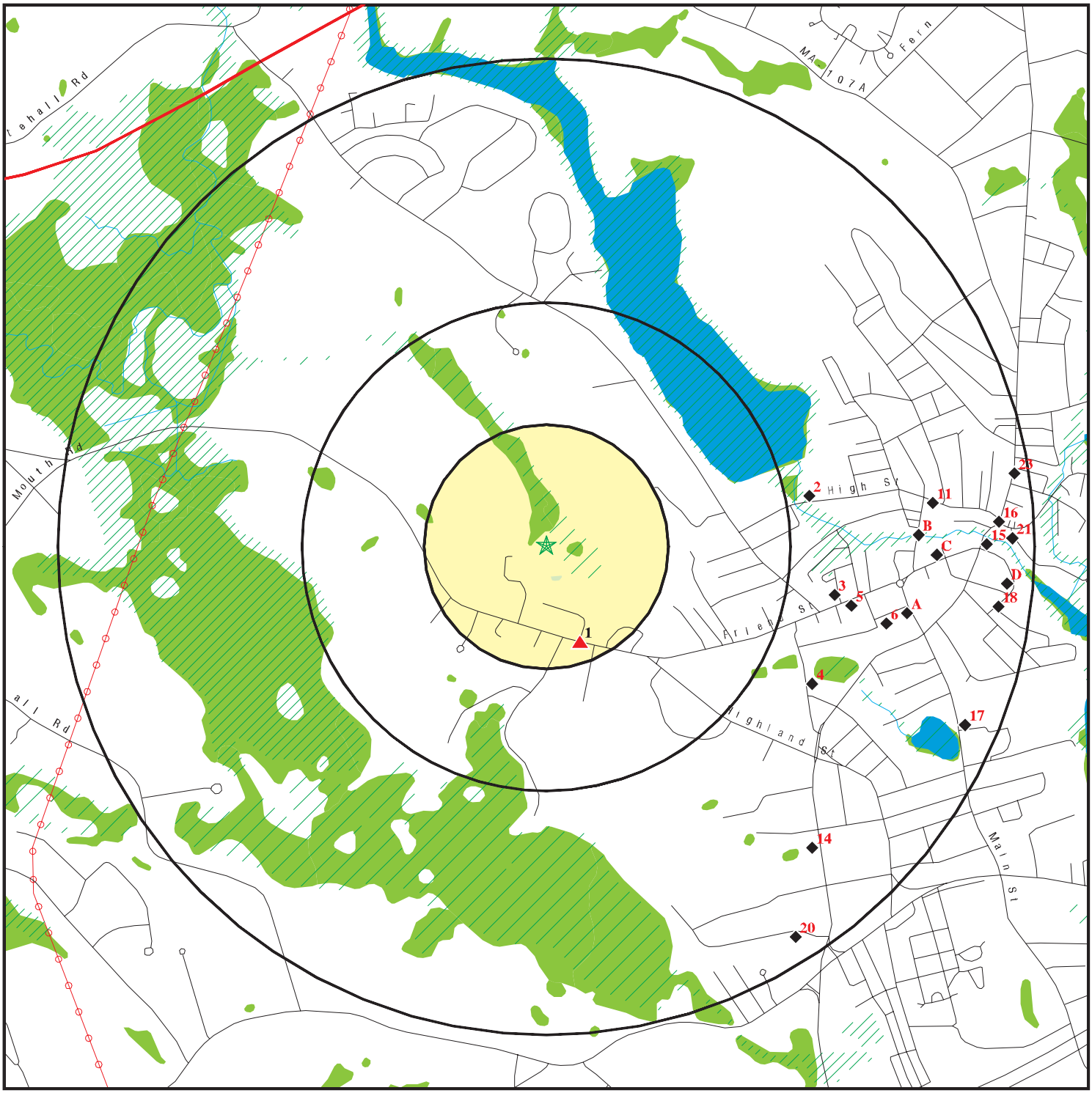
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WOODSOM FARMS TRUST	***LIONS MOUTH RD***	***SSE 1/8 - 1/4 (0.207 mi.)***	***1***	***8***
Tank Status: Tank Removed				
Facility Id: 143				

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
HILLSIDE SUBSTATION	SHWS, RELEASE
TOWN PARK	SHWS, RELEASE
MAIN STREET - EAST OF I-95 OVERPAS	SHWS, RELEASE
KEYSPAN ENERGY DELIVERY OF NEW ENG	SHWS, RELEASE, ENF
NO LOCATION AID	SHWS, RELEASE

OVERVIEW MAP - 5397483.2S



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Cashman Elementary School	CLIENT: ECMS, Inc.
ADDRESS: 193 Lions Mouth Rd Amesbury MA 01913	CONTACT: Kevin Kavanaugh
LAT/LONG: 42.857239 / 70.948354	INQUIRY #: 5397483.2s DATE: August 17, 2018 1:47 pm

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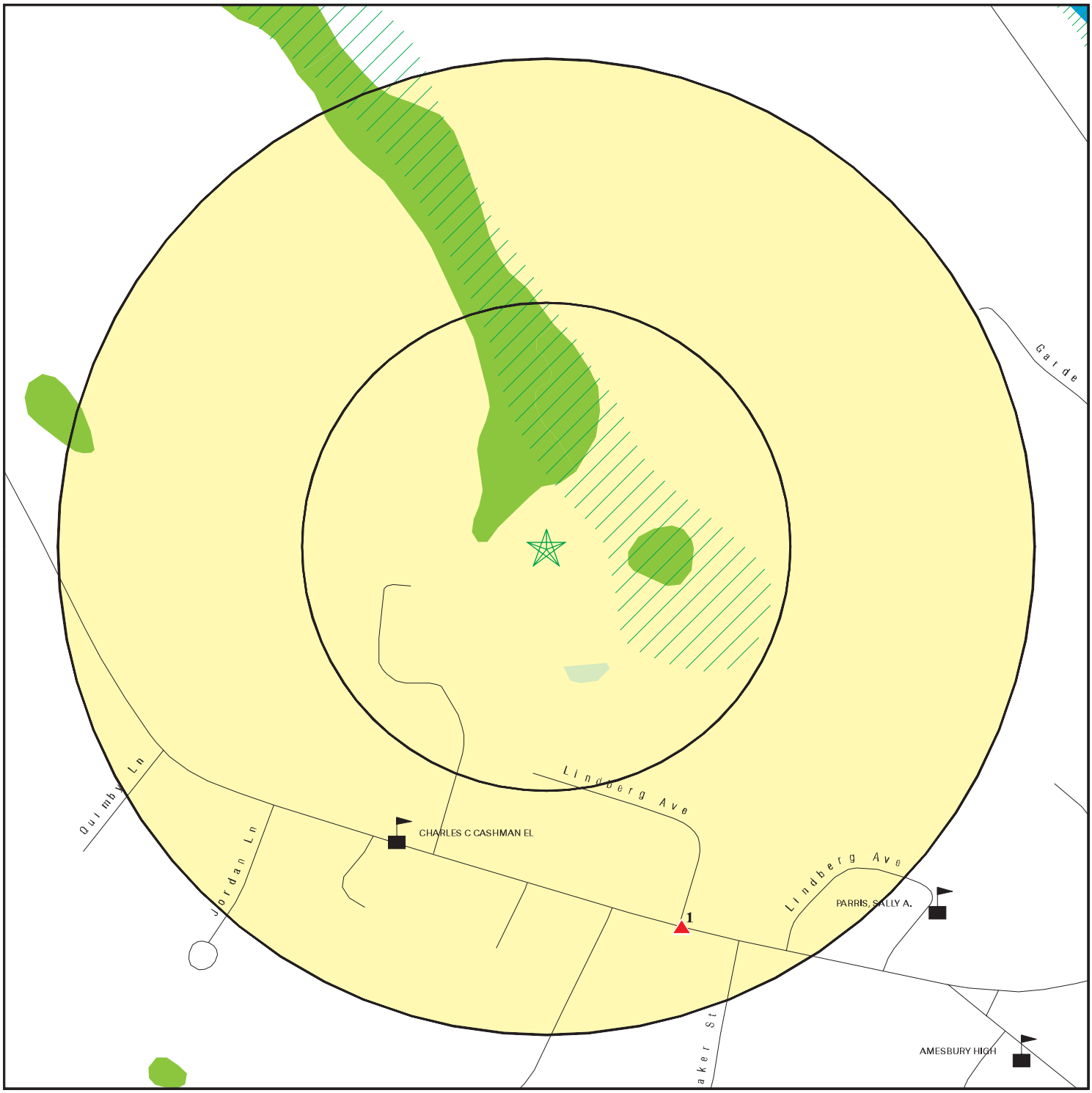
DETAIL MAP - 5397483.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Cashman Elementary School ADDRESS: 193 Lions Mouth Rd Amesbury MA 01913 LAT/LONG: 42.857239 / 70.948354	CLIENT: ECMS, Inc. CONTACT: Kevin Kavanaugh INQUIRY #: 5397483.2s DATE: August 17, 2018 1:49 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	22	NR	22
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LAST	0.500		0	0	0	NR	NR	0
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
RELEASE	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
GWDP	TP		NR	NR	NR	NR	NR	0
HW GEN	0.250		0	0	NR	NR	NR	0
MERCURY	0.500		0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
TSD	0.500		0	0	0	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	1	0	22	0	23

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
SSE
1/8-1/4
0.207 mi.
1091 ft.

WOODSOM FARMS TRUST
LIONS MOUTH RD
AMESBURY, MA 01913

UST
Financial Assurance

U003530771
N/A

Relative:
Higher

Actual:
120 ft.

UST:

Facility:

Facility ID:	143
Owner Id:	7657
Owner:	WOODSOM FARMS TRUST
Owner Address:	LIONS MOUTH RD
Owner City,St,Zip:	AMESBURY, MA 01913
Telephone:	Not reported
Description:	Farm
Facility address 2:	Not reported
Owner address 2:	Not reported
Latitude:	42.85442
Longitude:	-70.94699
Contact name:	Not reported
Contact address1:	Not reported
Contact address2:	Not reported
Contact city:	Not reported
Contact state:	Not reported
Contact zip:	Not reported
Contact email:	Not reported
Update:	2009-02-09 00:00:00
Update by:	Not reported
Fac status:	CLOSED

Tank ID:	1
Tank Status:	**Tank Removed**
Status Date:	03/29/1990
Date Installed:	04/07/1973
Capacity:	2000
Contents:	Gasoline
Tank Usage:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Tank construct:	Not reported
Pipe construct:	Not reported
Ptype:	Not reported
Number of compartment:	Not reported
Pipe install date:	Not reported
Pipe leak install date:	Not reported
Submersible sump:	N
Submersible sump install date:	Not reported
Turbine sump:	N
Turbine sump sensor:	N
Intermediate sump:	N
Intermediate sump sensor:	N
Spill bucket installed date:	Not reported
Spill bucket sensor:	N
Overfill protect install:	Not reported
Overfill protect type:	Not reported
Automatic line leak detect:	Not reported

WOODSOM FARMS TRUST (Continued) **U003530771**

Tank corrosion type: Not reported
Leak corrosion type: Not reported

MA Financial Assurance 2:
Facility Id: 143
Description: Farm
Work Phone: (617) 388-0293

---

2 **NO LOCATION AID** **SHWS** **S104942007**
East **91 HIGH ST** **RELEASE** **N/A**
1/2-1 **AMESBURY, MA 01913** **HW GEN**
0.549 mi.
2898 ft.

Relative:
Lower

Actual:
79 ft.

SHWS:
Release Tracking Number/Current Status: 3-0020490 / RAO
Release Town: AMESBURY
Notification Date: 03/01/2001
Category: 120 DY
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 03/01/2001
Phase: Not reported
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil Or Haz Material: Hazardous Material

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

Chemicals:
Chemical: TETRACHLOROETHYLENE
Quantity: 1.3 milligrams per kilogram

Actions:
Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/1/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 3/1/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/1/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/19/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No

NO LOCATION AID (Continued) **S104942007**

Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Level III - Comprehensive Audit
Action Date: 6/22/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 6/22/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Level III - Comprehensive Audit
Action Date: 8/21/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 8/21/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 8/5/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Release:
Release Tracking Number/Current Status: 3-0020490 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 03/01/2001
Category: 120 DY
Status Date: 03/01/2001
Phase: Not reported
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/1/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

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

NO LOCATION AID (Continued) **S104942007**

Action Date: 3/1/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/1/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/19/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Level III - Comprehensive Audit
Action Date: 6/22/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 6/22/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Level III - Comprehensive Audit
Action Date: 8/21/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 8/21/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 8/5/2009
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:
Chemical: TETRACHLOROETHYLENE
Quantity: 1.3 milligrams per kilogram

HW GEN:
EPA Id: MV9783887159
RCRA Generator Status: VSQG
State Generator Status: Not reported

EPA Id: MV9783887113

NO LOCATION AID (Continued) **S104942007**

RCRA Generator Status: Not reported
State Generator Status: VQG-MA

---

3 **PROPERTY** **SHWS** **S114965503**
East **99 FRIEND STREET** **RELEASE** **N/A**
1/2-1 **AMESBURY, MA 01913**
0.599 mi.
3161 ft.

Relative:
Lower

Actual:
85 ft.

SHWS:

Release Tracking Number/Current Status:	3-0031813 / PSNC
Release Town:	AMESBURY
Notification Date:	10/15/2013
Category:	120 DY
Associated ID:	Not reported
Current Status:	**PSNC**
Status Date:	07/30/2014
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil and Hazardous Material
Location Type:	RESIDNTIAL
Source:	UNKNOWN

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

Chemicals:

Chemical:	BENZO(A)PYRENE
Quantity:	8.12 milligrams per kilogram
Chemical:	TPH
Quantity:	1509 milligrams per kilogram
Chemical:	BENZO(B)FLOURANTHENE
Quantity:	9.93 milligrams per kilogram
Chemical:	LEAD
Quantity:	1150 milligrams per kilogram
Chemical:	PHENANTHRENE
Quantity:	20.07 milligrams per kilogram
Chemical:	BENZO(A)ANTHRACENE
Quantity:	9.98 milligrams per kilogram
Chemical:	DIBENZO(A,H)ANTHRACENE
Quantity:	1.78 milligrams per kilogram

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	10/15/2013
Response Action Outcome:	Not reported
Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	10/15/2013
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	10/15/2013
Response Action Outcome:	Not reported

PROPERTY (Continued) **S114965503**

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/17/2013
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 10/30/2013
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 10/31/2013
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/1/2013
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 11/19/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 11/20/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only
Action Date: 11/7/2013
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 4/18/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 4/18/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 4/25/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/30/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received

PROPERTY (Continued) **S114965503**

Action Date: 5/6/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: NOTSHP
Action Date: 5/6/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/16/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: NOTSHP
Action Date: 6/16/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/2/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/24/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 7/30/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 7/30/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 7/7/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 8/7/2014
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0031813 / PSNC
Primary ID: Not reported
Official City: AMESBURY
Notification: 10/15/2013
Category: 120 DY
Status Date: 07/30/2014
Phase: Not reported

PROPERTY (Continued) **S114965503**

Response Action Outcome: -
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/15/2013
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/15/2013
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/15/2013
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/17/2013
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 10/30/2013
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 10/31/2013
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 11/1/2013
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 11/19/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 11/20/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only
Action Date: 11/7/2013
Response Action Outcome: Not reported

Action Type: Release Abatement Measure

PROPERTY (Continued) **S114965503**

Action Status: Modified Revised or Updated Plan Received
Action Date: 4/18/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 4/18/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Level I - Technical Screen Audit
Action Date: 4/25/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/30/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/6/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: NOTSHP
Action Date: 5/6/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/16/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: NOTSHP
Action Date: 6/16/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/2/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/24/2014
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 7/30/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 7/30/2014

PROPERTY (Continued) **S114965503**

Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 7/7/2014
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 8/7/2014
Response Action Outcome: Not reported

Chemicals:
Chemical: BENZO(A)PYRENE
Quantity: 8.12 milligrams per kilogram
Chemical: TPH
Quantity: 1509 milligrams per kilogram
Chemical: BENZO(B)FLOURANTHENE
Quantity: 9.93 milligrams per kilogram
Chemical: LEAD
Quantity: 1150 milligrams per kilogram
Chemical: PHENANTHRENE
Quantity: 20.07 milligrams per kilogram
Chemical: BENZO(A)ANTHRACENE
Quantity: 9.98 milligrams per kilogram
Chemical: DIBENZO(A,H)ANTHRACENE
Quantity: 1.78 milligrams per kilogram
Location Type: RESIDNTIAL
Source: UNKNOWN

---

4 **AT 12 GREENLEAF ST (PRIVATE PROPERTY)** **SHWS** **S122423099**
ESE **12 GREENLEAF STREET** **N/A**
1/2-1 **AMESBURY, MA 01913**
0.613 mi.
3235 ft.

Relative:
Lower

Actual:
76 ft.

SHWS:
Release Tracking Number/Current Status: 3-0034813 / UNCLSS
Release Town: AMESBURY
Notification Date: 03/10/2018
Category: TWO HR
Associated ID: Not reported
Current Status: **Unclassified**
Status Date: 03/10/2018
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Not reported
Location Type: PRIVPROP
Source: TRANSFORM

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

Chemicals:
Chemical: MODF
Quantity: 26 gallons

AT 12 GREENLEAF ST (PRIVATE PROPERTY) (Continued) **S122423099**

Actions:

Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	3/10/2018
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	3/10/2018
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	4/3/2018
Response Action Outcome:	Not reported

5
East
1/2-1
0.636 mi.
3360 ft.

MICHAUDS GARAGE **SHWS** **S113805115**
96-98 FRIEND STREET **RELEASE** **N/A**
AMESBURY, MA 01913

Relative:
Lower

Actual:
84 ft.

SHWS:

Release Tracking Number/Current Status:	3-0031607 / RAO
Release Town:	AMESBURY
Notification Date:	06/20/2013
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	08/23/2013
Phase:	PHASE II
Response Action Outcome:	B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil Or Haz Material:	Hazardous Material
Source:	UNKNOWN

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

Chemicals:

Chemical:	LEAD
Quantity:	0.43 milligrams per liter

Actions:

Action Type:	Response Action Outcome - RAO
Action Status:	Level I - Technical Screen Audit
Action Date:	1/10/2014
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.
Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	6/20/2013
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.

MICHAUDS GARAGE (Continued) **S113805115**

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/20/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/20/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/11/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 8/23/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/23/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Release:
Release Tracking Number/Current Status: 3-0031607 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 06/20/2013
Category: 120 DY
Status Date: 08/23/2013
Phase: PHASE II
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 1/10/2014
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/20/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No

MICHAUDS GARAGE (Continued) **S113805115**

Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/20/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/20/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/11/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 8/23/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/23/2013
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:
Chemical: LEAD
Quantity: 0.43 milligrams per liter
Source: UNKNOWN

6
ESE
1/2-1
0.714 mi.
3772 ft.

GOODWIN CREEK MARINA **SHWS S118947397**
14 PLEASANT STREET **LUST N/A**
AMESBURY, MA 01913 **RELEASE**

Relative:
Lower

Actual:
90 ft.

SHWS:
Release Tracking Number/Current Status: 3-0033647 / PSNC
Release Town: AMESBURY
Notification Date: 06/28/2016
Category: 72 HR
Associated ID: Not reported
Current Status: **PSNC**
Status Date: 08/22/2016
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil
Location Type: COMMERCIAL
Source: UST
Source: TANK

GOODWIN CREEK MARINA (Continued) **S118947397**

Source: USTPIPE

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

Chemicals:
Chemical: GASOLINE
Quantity: 2700 parts per million

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/28/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/28/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/21/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 7/6/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/6/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/7/2016
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/10/2016
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/10/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD

GOODWIN CREEK MARINA (Continued) **S118947397**

Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/22/2016
Response Action Outcome: Not reported

LUST:

Facility:
Release Tracking Number/Current Status: 3-0033647 / PSNC
Status Date: 08/22/2016
Source Type: USTPIPE
Release Town: AMESBURY
Notification Date: 06/28/2016
Category: 72 HR
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: UST
Source: TANK
Source: USTPIPE

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

Chemicals:
Chemical: GASOLINE
Quantity: 2700 parts per million

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/28/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/28/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/21/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 7/6/2016
Response Action Outcome: Not reported

GOODWIN CREEK MARINA (Continued) **S118947397**

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/6/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/7/2016
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/10/2016
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/10/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/22/2016
Response Action Outcome: Not reported

Facility:
Release Tracking Number/Current Status: 3-0033647 / PSNC
Status Date: 08/22/2016
Source Type: UST
Release Town: AMESBURY
Notification Date: 06/28/2016
Category: 72 HR
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: UST
Source: TANK
Source: USTPIPE

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

GOODWIN CREEK MARINA (Continued) **S118947397**

Chemicals:
Chemical: GASOLINE
Quantity: 2700 parts per million

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/28/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/28/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/21/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 7/6/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/6/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/7/2016
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/10/2016
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/10/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 8/22/2016
Response Action Outcome: Not reported

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

GOODWIN CREEK MARINA (Continued) **S118947397**

Action Date: 8/22/2016
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0033647 / PSNC
Primary ID: Not reported
Official City: AMESBURY
Notification: 06/28/2016
Category: 72 HR
Status Date: 08/22/2016
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/28/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/28/2016
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 7/21/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 7/6/2016
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/6/2016
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/7/2016
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 8/10/2016
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/10/2016

GOODWIN CREEK MARINA (Continued) **S118947397**

Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPFAC
Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSNRCD
Action Date: 8/22/2016
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 8/22/2016
Response Action Outcome: Not reported

Chemicals:
Chemical: GASOLINE
Quantity: 2700 parts per million
Location Type: COMMERCIAL
Source: UST
Source: TANK
Source: USTPIPE

A7 **FLOSMAN, JOSEPH** **SHWS** **S107391019**
East **8-10 SCHOOL ST** **RELEASE** **N/A**
1/2-1 **AMESBURY, MA 01913** **ENF**
0.751 mi.
3965 ft. **Site 1 of 2 in cluster A**

Relative:
Lower

Actual:
85 ft.

SHWS:
Release Tracking Number/Current Status: 3-0026999 / TIER1D
Release Town: AMESBURY
Notification Date: 06/18/2007
Category: TWO HR
Associated ID: Not reported
Current Status: **Tier 1D, a release where the responsible party fails to provide a required submittal to DEP by a specified deadline.**
Status Date: 06/25/2008
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Hazardous Material
Location Type: COMMERCIAL
Location Type: RESIDNTIAL
Source: FORMER
Source: CLEANERS
Source: DRY

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

Chemicals:
Chemical: PERCHLOROETHYLENE
Quantity: 14.2 parts per billion
Chemical: CHLOROFORM
Quantity: 2.7 parts per billion

FLOSMAN, JOSEPH (Continued) **S107391019**

Chemical: PCE
Quantity: 23.2 UG/M3

Actions:

Action Type: Compliance and Enforcement Action
Action Status: NORA
Action Date: 1/15/2010
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/17/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/18/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: Action Status or AUL Terminated
Action Date: 10/19/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 10/6/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 11/6/2009
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 12/20/2012
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 2/14/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/27/2009
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/14/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/26/2010
Response Action Outcome: Not reported

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 5/4/2011
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/2/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/3/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/13/2015
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/17/2017
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/5/2013
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: REFOTH
Action Date: 8/1/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/15/2016
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 8/20/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 8/20/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 8/22/2013
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/28/2012
Response Action Outcome: Not reported

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Type:	FTLI
Action Status:	APPREC
Action Date:	8/6/2014
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	9/12/2014
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	9/13/2017
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	9/16/2016
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	9/22/2015
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	9/25/2014
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	9/8/2008
Response Action Outcome:	Not reported

Release Tracking Number/Current Status:	3-0026999 / TIER1D
Release Town:	AMESBURY
Notification Date:	06/18/2007
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**Tier 1D, a release where the responsible party fails to provide a required submittal to DEP by a specified deadline.**
Status Date:	06/25/2008
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material
Location Type:	COMMERCIAL
Location Type:	RESIDNTIAL
Source:	FORMER
Source:	CLEANERS
Source:	DRY

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

FLOSMAN, JOSEPH (Continued) **S107391019**

Chemicals:
- Chemical: PERCHLOROETHYLENE
- Quantity: 14.2 parts per billion
- Chemical: CHLOROFORM
- Quantity: 2.7 parts per billion
- Chemical: PCE
- Quantity: 23.2 UG/M3

Actions:
- Action Type: Compliance and Enforcement Action
- Action Status: NORA
- Action Date: 1/15/2010
- Response Action Outcome: Not reported

- Action Type: RLFA
- Action Status: FLDRAN
- Action Date: 10/17/2007
- Response Action Outcome: Not reported

- Action Type: Immediate Response Action
- Action Status: Status or Interim Report Received
- Action Date: 10/18/2007
- Response Action Outcome: Not reported

- Action Type: FTLI
- Action Status: Action Status or AUL Terminated
- Action Date: 10/19/2010
- Response Action Outcome: Not reported

- Action Type: FTLI
- Action Status: APPREC
- Action Date: 10/6/2008
- Response Action Outcome: Not reported

- Action Type: FTLI
- Action Status: APPACC
- Action Date: 11/6/2009
- Response Action Outcome: Not reported

- Action Type: FTLI
- Action Status: APPACC
- Action Date: 12/20/2012
- Response Action Outcome: Not reported

- Action Type: Compliance and Enforcement Action
- Action Status: Interim Deadline Letter Issued
- Action Date: 2/14/2008
- Response Action Outcome: Not reported

- Action Type: FTLI
- Action Status: APPREC
- Action Date: 2/27/2009
- Response Action Outcome: Not reported

- Action Type: A Notice sent to a Potentially Responsible Party (PRP)
- Action Status: ALSENT
- Action Date: 4/14/2008

FLOSMAN, JOSEPH (Continued) **S107391019**

Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/26/2010
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 5/4/2011
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/2/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/3/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/13/2015
Response Action Outcome: Not reported

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Type: FTLI
Action Status: APPREC
Action Date: 7/17/2017
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/5/2013
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: REFOTH
Action Date: 8/1/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/15/2016
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 8/20/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 8/20/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Date:	8/22/2013
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPREC
Action Date:	8/28/2012
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPREC
Action Date:	8/6/2014
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	9/12/2014
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	9/13/2017
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	9/16/2016
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	9/22/2015
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	9/25/2014
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	9/8/2008
Response Action Outcome:	Not reported
Release Tracking Number/Current Status:	3-0026999 / TIER1D
Release Town:	AMESBURY
Notification Date:	06/18/2007
Category:	TWO HR
Associated ID:	Not reported
Current Status:	**Tier 1D, a release where the responsible party fails to provide a required submittal to DEP by a specified deadline.**
Status Date:	06/25/2008
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material
Location Type:	COMMERCIAL
Location Type:	RESIDNTIAL

FLOSMAN, JOSEPH (Continued) **S107391019**

Source: FORMER
Source: CLEANERS
Source: DRY

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

Chemicals:
Chemical: PERCHLOROETHYLENE
Quantity: 14.2 parts per billion
Chemical: CHLOROFORM
Quantity: 2.7 parts per billion
Chemical: PCE
Quantity: 23.2 UG/M3

Actions:
Action Type: Compliance and Enforcement Action
Action Status: NORA
Action Date: 1/15/2010
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/17/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/18/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: Action Status or AUL Terminated
Action Date: 10/19/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 10/6/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 11/6/2009
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 12/20/2012
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 2/14/2008
Response Action Outcome: Not reported

Action Type: FTLI

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Status: APPREC
Action Date: 2/27/2009
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/14/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/26/2010
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 5/4/2011
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/2/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/3/2010

FLOSMAN, JOSEPH (Continued) **S107391019**

Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/13/2015
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/17/2017
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/5/2013
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: REFOTH
Action Date: 8/1/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/15/2016
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 8/20/2007
Response Action Outcome: Not reported

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 8/20/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 8/22/2013
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/28/2012
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/6/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/12/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/13/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/16/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/22/2015
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/25/2014
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 9/8/2008
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0026999 / TIER1D
Primary ID: Not reported
Official City: AMESBURY
Notification: 06/18/2007
Category: TWO HR

FLOSMAN, JOSEPH (Continued) **S107391019**

Status Date: 06/25/2008
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:

Action Type: Compliance and Enforcement Action
Action Status: NORA
Action Date: 1/15/2010
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDRAN
Action Date: 10/17/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/18/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: Action Status or AUL Terminated
Action Date: 10/19/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 10/6/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 11/6/2009
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 12/20/2012
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 2/14/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/27/2009
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/14/2008
Response Action Outcome: Not reported

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Type: FTLI
Action Status: APPREC
Action Date: 4/26/2010
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 5/4/2011
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 6/18/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/2/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/25/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/3/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/13/2015
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Date: 7/17/2017
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/3/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 7/30/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/5/2013
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: REFOTH
Action Date: 8/1/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/15/2016
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 8/20/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Approval of Plan
Action Date: 8/20/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 8/22/2013
Response Action Outcome: Not reported

FLOSMAN, JOSEPH (Continued) **S107391019**

Action Type: FTLI
Action Status: APPREC
Action Date: 8/28/2012
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/6/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/12/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/13/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/16/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/22/2015
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/25/2014
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 9/8/2008
Response Action Outcome: Not reported

Chemicals:
Chemical: PERCHLOROETHYLENE
Quantity: 14.2 parts per billion
Chemical: CHLOROFORM
Quantity: 2.7 parts per billion
Chemical: PCE
Quantity: 23.2 UG/M3
Location Type: COMMERCIAL
Location Type: RESIDNTIAL
Source: FORMER
Source: CLEANERS
Source: DRY

ENFORCEMENT:
Region: NERO
DEP Region: NERO

FLOSMAN, JOSEPH (Continued) **S107391019**

DEP Program:	3R
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0026999
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	07/03/2007
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Individually Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3R
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0026999
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	08/20/2007
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Individually Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3R

FLOSMAN, JOSEPH (Continued) **S107391019**

DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0026999
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	02/14/2008
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Individually Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3R
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0026999
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	09/08/2008
ENF #:	NON-NE-08-3R035
Document Type:	NON
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Individually Owned

A8
East
1/2-1
0.751 mi.
3966 ft.

SPACE AGE CLEANERS
6 SCHOOL ST
AMESBURY, MA 01913
Site 2 of 2 in cluster A

SHWS **S108034618**
RELEASE **N/A**
ASBESTOS
ENF

Relative:
Lower

Actual:
85 ft.

SHWS:

Release Tracking Number/Current Status:	3-0026060 / TIERII
Release Town:	AMESBURY
Notification Date:	07/17/2006
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date:	07/24/2007
Phase:	PHASE II
Response Action Outcome:	-
Oil Or Haz Material:	Hazardous Material
Source:	UNKNOWN

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

Chemicals:

Chemical:	1,2-DICHLOROETHENE
Quantity:	6.6 milligrams per kilogram
Chemical:	1,2,4-TRIMETHYLBENZENE
Quantity:	490 milligrams per kilogram
Chemical:	NAPHTHALENE
Quantity:	130 milligrams per kilogram
Chemical:	TETRACHLOROETHYLENE
Quantity:	1800 milligrams per kilogram
Chemical:	CARBON TETRACHLORIDE
Quantity:	18 micrograms per liter
Chemical:	TRICHLOROETHENE
Quantity:	4.5 micrograms per liter

Actions:

Action Type:	Compliance and Enforcement Action
Action Status:	NORA
Action Date:	1/15/2010
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	RFI
Action Date:	10/12/2007
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Interim Deadline Letter Issued
Action Date:	10/12/2007
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	Action Status or AUL Terminated

SPACE AGE CLEANERS (Continued) **S108034618**

Action Date: 10/19/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 10/6/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 11/6/2009
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 12/20/2012
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 12/24/2007
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/24/2007
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: RMRINI
Action Date: 12/24/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/27/2009
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 3/15/2007
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only
Action Date: 4/10/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/26/2010
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/28/2008
Response Action Outcome: Not reported

SPACE AGE CLEANERS (Continued) **S108034618**

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 5/11/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 5/4/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/2/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/3/2010
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 6/7/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/13/2015
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/17/2006
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/17/2006
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/17/2017
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/21/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received

SPACE AGE CLEANERS (Continued) **S108034618**

Action Date: 7/24/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 7/24/2007
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 7/24/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/5/2013
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 8/1/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: REFOTH
Action Date: 8/1/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/15/2016
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 8/17/2007
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 8/17/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 8/22/2013
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/28/2012
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/6/2014
Response Action Outcome: Not reported

SPACE AGE CLEANERS (Continued) **S108034618**

Action Type: FTLI
Action Status: APPACC
Action Date: 9/12/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/13/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/16/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/22/2015
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/25/2014
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 9/8/2008
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0026060 / TIERII
Primary ID: Not reported
Official City: AMESBURY
Notification: 07/17/2006
Category: 120 DY
Status Date: 07/24/2007
Phase: PHASE II
Response Action Outcome: -
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Compliance and Enforcement Action
Action Status: NORA
Action Date: 1/15/2010
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: RFI
Action Date: 10/12/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action

SPACE AGE CLEANERS (Continued) **S108034618**

Action Status: Interim Deadline Letter Issued
Action Date: 10/12/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: Action Status or AUL Terminated
Action Date: 10/19/2010
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 10/6/2008
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 11/6/2009
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 12/20/2012
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Modified Revised or Updated Plan Received
Action Date: 12/24/2007
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/24/2007
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: RMRINI
Action Date: 12/24/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/27/2009
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 3/15/2007
Response Action Outcome: Not reported

Action Type: Release Abatement Measure
Action Status: Fee Received - FMCRA Use Only
Action Date: 4/10/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/26/2010

SPACE AGE CLEANERS (Continued) **S108034618**

Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/28/2008
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Interim Deadline Letter Issued
Action Date: 5/11/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 5/4/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/2/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 6/3/2010
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 6/7/2007
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/13/2015
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/17/2006
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 7/17/2006
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 7/17/2017
Response Action Outcome: Not reported

SPACE AGE CLEANERS (Continued) **S108034618**

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	7/21/2006
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	7/24/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	7/24/2007
Response Action Outcome:	Not reported
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	7/24/2007
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPREC
Action Date:	7/5/2013
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	8/1/2007
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	REFOTH
Action Date:	8/1/2008
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPREC
Action Date:	8/15/2016
Response Action Outcome:	Not reported
Action Type:	Release Abatement Measure
Action Status:	Modified Revised or Updated Plan Received
Action Date:	8/17/2007
Response Action Outcome:	Not reported
Action Type:	Release Abatement Measure
Action Status:	Status or Interim Report Received
Action Date:	8/17/2007
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPACC
Action Date:	8/22/2013
Response Action Outcome:	Not reported
Action Type:	FTLI
Action Status:	APPREC

SPACE AGE CLEANERS (Continued) **S108034618**

Action Date: 8/28/2012
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 8/6/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/12/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/13/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/16/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 9/22/2015
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 9/25/2014
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 9/8/2008
Response Action Outcome: Not reported

Chemicals:
Chemical: 1,2-DICHLOROETHENE
Quantity: 6.6 milligrams per kilogram
Chemical: 1,2,4-TRIMETHYLBENZENE
Quantity: 490 milligrams per kilogram
Chemical: NAPHTHALENE
Quantity: 130 milligrams per kilogram
Chemical: TETRACHLOROETHYLENE
Quantity: 1800 milligrams per kilogram
Chemical: CARBON TETRACHLORIDE
Quantity: 18 micrograms per liter
Chemical: TRICHLOROETHENE
Quantity: 4.5 micrograms per liter
Source: UNKNOWN

ASBESTOS:
Notification: 100228188
DEP Region: NE

SPACE AGE CLEANERS (Continued) **S108034618**

Notifiers Name:	ENCORE CONTRACTING SERVICES INC
Start Date:	09/17/2015
End Date:	09/23/2015
Date Entered:	04/09/2015
Entry Date:	09/04/2015
Quantity Materical Removed SF:	80
Quantity Material Removed LF:	Not reported
Project Description:	OTHER ROOF FLASHING
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported
Notification:	100228188R1
DEP Region:	NE
Notifiers Name:	ENCORE CONTRACTING SERVICES INC

SPACE AGE CLEANERS (Continued) **S108034618**

Start Date:	09/17/2015
End Date:	09/23/2015
Date Entered:	17/09/2015
Entry Date:	09/17/2015
Quantity Materical Removed SF:	80
Quantity Material Removed LF:	Not reported
Project Description:	OTHER ROOF FLASHING
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported
Notification:	100228188R2
DEP Region:	NE
Notifiers Name:	ENCORE CONTRACTING SERVICES INC
Start Date:	09/17/2015

SPACE AGE CLEANERS (Continued) **S108034618**

End Date:	09/23/2015
Date Entered:	21/09/2015
Entry Date:	09/21/2015
Quantity Materical Removed SF:	80
Quantity Material Removed LF:	Not reported
Project Description:	OTHER ROOF FLASHING
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported
Notification:	100029823
DEP Region:	NE
Notifiers Name:	YANKEE ENVIRONMENTAL SERVICES INC
Start Date:	03/28/2006
End Date:	03/28/2006

SPACE AGE CLEANERS (Continued) **S108034618**

Date Entered:	14/03/2006
Entry Date:	03/14/2006
Quantity Materical Removed SF:	60
Quantity Material Removed LF:	50
Project Description:	Blr,Spr,Insl
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported
Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported

ENFORCEMENT:

Region:	NERO
DEP Region:	NERO
DEP Program:	3R
DEP Bureau:	BWSC
Program:	Not reported

SPACE AGE CLEANERS (Continued) **S108034618**

Program Id:	3-0026060
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	10/12/2007
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Individually Owned

Region:	NERO
DEP Region:	NERO
DEP Program:	3R
DEP Bureau:	BWSC
Program:	Not reported
Program Id:	3-0026060
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Not reported
Date Executed:	05/11/2007
ENF #:	Not reported
Document Type:	IDL
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Not reported
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

B9 **FMR TRADER ALLENS TRUCK STOP** **SHWS** **S107678071**
East **21 POND VIEW AVE** **LUST** **N/A**
1/2-1 **AMESBURY, MA 01913** **RELEASE**
0.763 mi. **ENF**
4027 ft. **Site 1 of 2 in cluster B**

Relative:
Lower

Actual:
80 ft.

SHWS:

Release Tracking Number/Current Status:	3-0025880 / TIERII
Release Town:	AMESBURY
Notification Date:	05/12/2006
Category:	72 HR
Associated ID:	Not reported
Current Status:	**Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date:	05/14/2007
Phase:	PHASE II
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	LINE
Source:	USTOTHER
Source:	UST
Source:	UNKNOWN
Source:	TANK

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

Chemicals:

Chemical:	DIESEL FUEL
Quantity:	224 parts per million
Chemical:	DIESEL FUEL
Quantity:	244 parts per million

Actions:

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	1/31/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	10/4/2013
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	11/7/2013
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	4/2/2007
Response Action Outcome:	Not reported

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/4/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/9/2007
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/20/2006
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/12/2006
Response Action Outcome: Not reported

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

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Date: 7/12/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/23/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/5/2013
Response Action Outcome: Not reported

Release Tracking Number/Current Status: 3-0025880 / TIERII
Release Town: AMESBURY
Notification Date: 05/12/2006
Category: 72 HR
Associated ID: Not reported
Current Status: **Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date: 05/14/2007
Phase: PHASE II
Response Action Outcome: -
Oil Or Haz Material: Oil
Location Type: COMMERCIAL
Source: LINE
Source: USTOTHER
Source: UST
Source: UNKNOWN
Source: TANK

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

Chemicals:
Chemical: DIESEL FUEL
Quantity: 224 parts per million
Chemical: DIESEL FUEL
Quantity: 244 parts per million

Actions:
Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/31/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 10/4/2013
Response Action Outcome: Not reported

Action Type: Immediate Response Action

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Status: Level I - Technical Screen Audit
Action Date: 11/7/2013
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/2/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/4/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/9/2007
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/20/2006
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/12/2006

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 7/12/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/23/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/5/2013
Response Action Outcome: Not reported

Release Tracking Number/Current Status: 3-0025880 / TIERII
Release Town: AMESBURY
Notification Date: 05/12/2006
Category: 72 HR
Associated ID: Not reported
Current Status: **Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date: 05/14/2007
Phase: PHASE II
Response Action Outcome: -
Oil Or Haz Material: Oil
Location Type: COMMERCIAL
Source: LINE
Source: USTOTHER
Source: UST
Source: UNKNOWN
Source: TANK

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

Chemicals:
Chemical: DIESEL FUEL
Quantity: 224 parts per million
Chemical: DIESEL FUEL
Quantity: 244 parts per million

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

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Date:	1/31/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	10/4/2013
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	11/7/2013
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	4/2/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	4/4/2014
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	4/9/2007
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	6/20/2006
Response Action Outcome:	Not reported

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	7/12/2006
Response Action Outcome:	Not reported

Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	7/12/2006
Response Action Outcome:	Not reported

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	7/12/2007
Response Action Outcome:	Not reported

Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	8/23/2007
Response Action Outcome:	Not reported

Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	8/5/2013
Response Action Outcome:	Not reported

Release Tracking Number/Current Status:	3-0025667 / TIERII
Release Town:	AMESBURY
Notification Date:	02/09/2006
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date:	02/09/2007
Phase:	PHASE II
Response Action Outcome:	-
Oil Or Haz Material:	Oil and Hazardous Material

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

Chemicals:

Chemical:	2-BUTANONE
Quantity:	0.79 milligrams per kilogram
Chemical:	METHYLENE CHLORIDE
Quantity:	0.44 milligrams per kilogram
Chemical:	NICKEL
Quantity:	125 micrograms per liter

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Chemical:	BENZO[A]ANTHRACENE
Quantity:	0.81 milligrams per kilogram
Chemical:	HEXACHLOROBUTADIENE
Quantity:	3 micrograms per liter
Chemical:	AROCLOR 1260
Quantity:	0.76 micrograms per liter
Chemical:	BENZO[A]PYRENE
Quantity:	0.81 milligrams per kilogram
Chemical:	ARSENIC
Quantity:	664 micrograms per liter
Chemical:	C9 THRU C10 AROMATIC HYDROCARBONS
Quantity:	180 milligrams per kilogram
Chemical:	BERYLLIUM
Quantity:	0.78 milligrams per kilogram
Chemical:	BENZO[B]FLUORANTHENE
Quantity:	0.84 milligrams per kilogram

Actions:

Action Type:	Phase 2
Action Status:	Scope of Work Received
Action Date:	1/26/2010
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	2/9/2006
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	2/9/2006
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	2/9/2007
Response Action Outcome:	Not reported
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	2/9/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	2/9/2007
Response Action Outcome:	Not reported

Release Tracking Number/Current Status:	3-0030391 / RAO
Release Town:	AMESBURY
Notification Date:	10/14/2011
Category:	120 DY
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	11/14/2011
Phase:	Not reported
Response Action Outcome:	B1 - Remedial actions have not been conducted because a level of No

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Significant Risk exists.
Oil Or Haz Material: Hazardous Material

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

Chemicals:
Chemical: ARSENIC
Quantity: 20.5 milligrams per kilogram
Chemical: TOTAL CHROMIUM
Quantity: 58.9 milligrams per kilogram

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/14/2011
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/14/2011
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/14/2011
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 11/14/2011
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 7/12/2012
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

LUST:

Facility:
Release Tracking Number/Current Status: 3-0025885 / TIERII
Status Date: 05/14/2007
Source Type: UST
Release Town: AMESBURY
Notification Date: 05/15/2006
Category: 72 HR
Associated ID: Not reported
Phase: PHASE II
Response Action Outcome: -
Oil Or Haz Material: Oil

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Location Type: COMMERCIAL
Source: UST

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

Chemicals:
Chemical: GASOLINE
Quantity: 767 parts per million

Actions:
Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/31/2007
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/2/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/9/2007
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 5/15/2006
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/15/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/12/2006
Response Action Outcome: Not reported

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	7/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	7/12/2007
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	7/14/2006
Response Action Outcome:	Not reported
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	8/23/2007
Response Action Outcome:	Not reported

Facility:

Release Tracking Number/Current Status:	3-0025880 / TIERII
Status Date:	05/14/2007
Source Type:	UST
Release Town:	AMESBURY
Notification Date:	05/12/2006
Category:	72 HR
Associated ID:	Not reported
Phase:	PHASE II
Response Action Outcome:	-
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	LINE
Source:	USTOTHER
Source:	UST
Source:	UNKNOWN
Source:	TANK

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

Chemicals:

Chemical:	DIESEL FUEL
Quantity:	224 parts per million
Chemical:	DIESEL FUEL
Quantity:	244 parts per million

Actions:

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	1/31/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Status: Status or Interim Report Received
Action Date: 10/4/2013
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 11/7/2013
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 4/2/2007
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/4/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 4/9/2007
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 5/12/2006
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/20/2006

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 7/12/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/23/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/5/2013
Response Action Outcome: Not reported

Facility:
Release Tracking Number/Current Status: 3-0025880 / TIERII
Status Date: 05/14/2007
Source Type: USTOTHER
Release Town: AMESBURY
Notification Date: 05/12/2006
Category: 72 HR
Associated ID: Not reported
Phase: PHASE II
Response Action Outcome: -
Oil Or Haz Material: Oil

Location Type: COMMERCIAL
Source: LINE
Source: USTOTHER
Source: UST
Source: UNKNOWN
Source: TANK

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

Chemicals:
Chemical: DIESEL FUEL
Quantity: 224 parts per million
Chemical: DIESEL FUEL
Quantity: 244 parts per million

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Actions:

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	1/31/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	10/4/2013
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	11/7/2013
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	4/2/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	4/4/2014
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	4/9/2007
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/20/2006
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 7/12/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/23/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/5/2013
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0025667 / TIERII
Primary ID: Not reported
Official City: AMESBURY
Notification: 02/09/2006
Category: 120 DY
Status Date: 02/09/2007
Phase: PHASE II
Response Action Outcome: -
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: Phase 2
Action Status: Scope of Work Received
Action Date: 1/26/2010
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Date: 2/9/2006
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 2/9/2006
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 2/9/2007
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 2/9/2007
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/9/2007
Response Action Outcome: Not reported

Chemicals:
Chemical: 2-BUTANONE
Quantity: 0.79 milligrams per kilogram
Chemical: METHYLENE CHLORIDE
Quantity: 0.44 milligrams per kilogram
Chemical: NICKEL
Quantity: 125 micrograms per liter
Chemical: BENZO[A]ANTHRACENE
Quantity: 0.81 milligrams per kilogram
Chemical: HEXACHLOROBUTADIENE
Quantity: 3 micrograms per liter
Chemical: AROCLOR 1260
Quantity: 0.76 micrograms per liter
Chemical: BENZO[A]PYRENE
Quantity: 0.81 milligrams per kilogram
Chemical: ARSENIC
Quantity: 664 micrograms per liter
Chemical: C9 THRU C10 AROMATIC HYDROCARBONS
Quantity: 180 milligrams per kilogram
Chemical: BERYLLIUM
Quantity: 0.78 milligrams per kilogram
Chemical: BENZO[B]FLUORANTHENE
Quantity: 0.84 milligrams per kilogram

Release Tracking Number/Current Status: 3-0025880 / TIERII
Primary ID: Not reported
Official City: AMESBURY
Notification: 05/12/2006
Category: 72 HR
Status Date: 05/14/2007
Phase: PHASE II
Response Action Outcome: -
Oil / Haz Material Type: Oil

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

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

Actions:

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	1/31/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	10/4/2013
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	11/7/2013
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	4/2/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	4/4/2014
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	4/9/2007
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	5/12/2006
Response Action Outcome:	Not reported
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	5/14/2007
Response Action Outcome:	Not reported

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 5/14/2007
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 6/20/2006
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 7/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 7/12/2006
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 7/12/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/23/2007
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/5/2013
Response Action Outcome: Not reported

Chemicals:
Chemical: DIESEL FUEL
Quantity: 224 parts per million
Chemical: DIESEL FUEL
Quantity: 244 parts per million
Location Type: COMMERCIAL
Source: LINE
Source: USTOTHER
Source: UST
Source: UNKNOWN
Source: TANK

Release Tracking Number/Current Status: 3-0025885 / TIERII
Primary ID: Not reported
Official City: AMESBURY
Notification: 05/15/2006
Category: 72 HR
Status Date: 05/14/2007
Phase: PHASE II
Response Action Outcome: -
Oil / Haz Material Type: Oil

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

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

Actions:

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	1/31/2007
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	4/2/2007
Response Action Outcome:	Not reported
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	ALSENT
Action Date:	4/9/2007
Response Action Outcome:	Not reported
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Tier 2 Classification
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	5/14/2007
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	5/15/2006
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	5/15/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Written Plan Received
Action Date:	7/12/2006
Response Action Outcome:	Not reported
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	7/12/2006
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	7/12/2007
Response Action Outcome:	Not reported

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/14/2006
Response Action Outcome: Not reported

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 8/23/2007
Response Action Outcome: Not reported

Chemicals:
Chemical: GASOLINE
Quantity: 767 parts per million
Location Type: COMMERCIAL
Source: UST

Release Tracking Number/Current Status: 3-0030391 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 10/14/2011
Category: 120 DY
Status Date: 11/14/2011
Phase: Not reported
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 10/14/2011
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/14/2011
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/14/2011
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 11/14/2011
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

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

FMR TRADER ALLENS TRUCK STOP (Continued) **S107678071**

Action Date: 7/12/2012
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:
Chemical: ARSENIC
Quantity: 20.5 milligrams per kilogram
Chemical: TOTAL CHROMIUM
Quantity: 58.9 milligrams per kilogram

ENFORCEMENT:
Region: NERO
DEP Region: NERO
DEP Program: 3A
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0025880
High Or Low Level Enforcement: LLE
FMF #: Not reported
Comptroller Billing Name: Not reported
Town Where Violation Occurred: Amesbury
Date Executed: 08/05/2013
ENF #: NON-NE-13-3A032
Document Type: NON
AG Ref (Y/N): Not reported
Doc Archived (Y/N): Not reported
EJ Community (Y/N): Y
Regional Comment: Not reported
Final Payment Due Date: Not reported
ACOP $: Not reported
PAN $: Not reported
EMS (Y/N): Not reported
EMS$: Not reported
SEP (Y/N): Not reported
SEP $: Not reported
Demand $: Not reported
Suspended $: Not reported
Ownership: Municipally Owned

B10 **NO LOCATION AID** **SHWS** **S105735947**
East **19 POND ST** **INST CONTROL** **N/A**
1/2-1 **AMESBURY, MA 01913** **RELEASE**
0.765 mi.
4040 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

Actual:
79 ft.

SHWS:
Release Tracking Number/Current Status: 3-0022389 / RAO
Release Town: AMESBURY
Notification Date: 12/13/2002
Category: TWO HR
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 11/13/2003
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material: Hazardous Material

NO LOCATION AID (Continued) **S105735947**

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

Chemicals:
Chemical: ASBESTOS
Quantity: Not reported

Actions:
Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 11/13/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 11/13/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 12/11/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 12/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 12/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/22/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number/Current Status: 3-0020783 / RAO
Release Town: AMESBURY
Notification Date: 05/07/2001
Category: 120 DY
Associated ID: Not reported

NO LOCATION AID (Continued) **S105735947**

Current Status: **Response Action Outcome**
Status Date: 03/13/2002
Phase: PHASE II
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material: Oil and Hazardous Material

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

Chemicals:
Chemical: LEAD
Quantity: 2040 milligrams per kilogram
Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Quantity: 222 milligrams per kilogram

Actions:
Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 10/24/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Action Status or AUL Terminated
Action Date: 10/31/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Revised Statement or Transmittal Received
Action Date: 10/31/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Confirmatory AUL received
Action Date: 2/17/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 2/19/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 3/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

NO LOCATION AID (Continued) **S105735947**

to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 3/14/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 4/2/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/7/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 5/7/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 8/24/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 9/5/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

INST CONTROL:
Release Tracking Number: 3-0020783
Action Type: AUL
Action Stat: CONFRM
Action Date: 02/17/2004
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number: 3-0020783
Action Type: AUL
Action Stat: LEGNOT
Action Date: 02/19/2004
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number: 3-0020783
Action Type: AUL
Action Stat: LEGNOT

NO LOCATION AID (Continued) **S105735947**

Action Date: 03/14/2002
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number: 3-0020783
Action Type: AUL
Action Stat: LEGNOT
Action Date: 10/24/2003
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number: 3-0020783
Action Type: AUL
Action Stat: RECPT
Action Date: 03/13/2002
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release Tracking Number: 3-0020783
Action Type: AUL
Action Stat: TERMIN
Action Date: 10/31/2003
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release:
Release Tracking Number/Current Status: 3-0020783 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 05/07/2001
Category: 120 DY
Status Date: 03/13/2002
Phase: PHASE II
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 10/24/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Action Status or AUL Terminated
Action Date: 10/31/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Revised Statement or Transmittal Received
Action Date: 10/31/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

NO LOCATION AID (Continued) **S105735947**

to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Confirmatory AUL received
Action Date: 2/17/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 2/19/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 3/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 3/14/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 4/2/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 5/7/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 5/7/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 8/24/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

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

NO LOCATION AID (Continued) **S105735947**

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 9/5/2001
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: LEAD
Quantity: 2040 milligrams per kilogram
Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Quantity: 222 milligrams per kilogram

Release Tracking Number/Current Status: 3-0022389 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 12/13/2002
Category: TWO HR
Status Date: 11/13/2003
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type: Hazardous Material

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

Actions:
Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 11/13/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 11/13/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 12/11/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 12/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action

NO LOCATION AID (Continued) **S105735947**

Action Status: Written Plan Received
Action Date: 12/13/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 4/22/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: ASBESTOS
Quantity: Not reported

11
East
1/2-1
0.796 mi.
4205 ft.

NO LOCATION AID **SHWS** **S105309432**
36 HIGH ST **LUST** **N/A**
AMESBURY, MA 01913 **RELEASE**
ENF

Relative:
Lower

Actual:
85 ft.

SHWS:
Release Tracking Number/Current Status: 3-0021511 / RAO
Release Town: AMESBURY
Notification Date: 02/21/2002
Category: 120 DY
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 11/13/2003
Phase: PHASE II
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material: Hazardous Material

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

Chemicals:
Chemical: LEAD
Quantity: 17000 milligrams per kilogram

Actions:
Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 11/13/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Abatement Measure
Action Status: Status or Interim Report Received
Action Date: 12/11/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Abatement Measure
Action Status: Completion Statement Received
Action Date: 12/11/2003

NO LOCATION AID (Continued) **S105309432**

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 2/21/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 2/21/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 2/28/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 2/28/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 2/28/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 3/17/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/26/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 6/2/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

LUST:

Facility:
Release Tracking Number/Current Status: 3-0023731 / RAO
Status Date: 09/08/2009

NO LOCATION AID (Continued) **S105309432**

Source Type:	UST
Release Town:	AMESBURY
Notification Date:	04/02/2004
Category:	72 HR
Associated ID:	Not reported
Phase:	PHASE III
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material:	Oil and Hazardous Material
Location Type:	COMMERCIAL
Source:	UST

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

Chemicals:

Chemical:	PID
Quantity:	400 parts per million
Chemical:	XYLENES
Quantity:	12.3 milligrams per liter
Chemical:	HEATING OIL
Quantity:	400 parts per million
Chemical:	TOLUENE
Quantity:	15 milligrams per liter

Actions:

Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	1/29/2008
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Completion Statement Received
Action Date:	1/29/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Immediate Response Action
Action Status:	Status or Interim Report Received
Action Date:	1/29/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Phase 2
Action Status:	Completion Statement Received
Action Date:	1/29/2009
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Action Type:	Compliance and Enforcement Action
Action Status:	ACO
Action Date:	1/3/2008
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

NO LOCATION AID (Continued) **S105309432**

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 1/30/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 12/6/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/12/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 4/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 4/20/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 4/28/2009

NO LOCATION AID (Continued) **S105309432**

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

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/29/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/6/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 6/14/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 6/8/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/8/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 7/30/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/4/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 8/4/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 9/8/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

NO LOCATION AID (Continued) **S105309432**

Release:

Release Tracking Number/Current Status:	3-0021511 / RAO
Primary ID:	Not reported
Official City:	AMESBURY
Notification:	02/21/2002
Category:	120 DY
Status Date:	11/13/2003
Phase:	PHASE II
Response Action Outcome:	A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type:	Hazardous Material

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

Actions:

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	11/13/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Release Abatement Measure
Action Status:	Status or Interim Report Received
Action Date:	12/11/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Release Abatement Measure
Action Status:	Completion Statement Received
Action Date:	12/11/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	2/21/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	RNF
Action Status:	Reportable Release under MGL 21E
Action Date:	2/21/2002
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Phase 1
Action Status:	Completion Statement Received
Action Date:	2/28/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Tier Classification
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	2/28/2003
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

NO LOCATION AID (Continued) **S105309432**

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 2/28/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 3/17/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/26/2002
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Abatement Measure
Action Status: Written Plan Received
Action Date: 6/2/2003
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: LEAD
Quantity: 17000 milligrams per kilogram

Release Tracking Number/Current Status: 3-0023731 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 04/02/2004
Category: 72 HR
Status Date: 09/08/2009
Phase: PHASE III
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 1/29/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 1/29/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

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

NO LOCATION AID (Continued) **S105309432**

Action Date: 1/29/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 1/29/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Compliance and Enforcement Action
Action Status: ACO
Action Date: 1/3/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 1/30/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 12/6/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 4/11/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/12/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 4/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

NO LOCATION AID (Continued) **S105309432**

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 4/2/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 4/20/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 4/28/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/29/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Oral Approval of a Modified Plan
Action Date: 4/6/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 6/14/2010
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Written Plan Received
Action Date: 6/8/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/8/2004
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 7/30/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Immediate Response Action
Action Status: Status or Interim Report Received
Action Date: 8/4/2004

NO LOCATION AID (Continued) **S105309432**

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

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 8/4/2008
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 9/8/2009
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:
Chemical: PID
Quantity: 400 parts per million
Chemical: XYLENES
Quantity: 12.3 milligrams per liter
Chemical: HEATING OIL
Quantity: 400 parts per million
Chemical: TOLUENE
Quantity: 15 milligrams per liter
Location Type: COMMERCIAL
Source: UST

ENFORCEMENT:
Region: NERO
DEP Region: NERO
DEP Program: 3A
DEP Bureau: BWSC
Program: BWSC
Program Id: 3-0023731
High Or Low Level Enforcement: HLE
FMF #: Not reported
Comptroller Billing Name: Not reported
Town Where Violation Occurred: Not reported
Date Executed: 01/03/2008
ENF #: ACO-NE-07-3A039
Document Type: ACO
AG Ref (Y/N): Not reported
Doc Archived (Y/N): Not reported
EJ Community (Y/N): Not reported
Regional Comment: Not reported
Final Payment Due Date: Not reported
ACOP $: Not reported
PAN $: Not reported
EMS (Y/N): Not reported
EMS$: Not reported
SEP (Y/N): Not reported
SEP $: Not reported
Demand $: Not reported
Suspended $: Not reported
Ownership: Municipally Owned

C12 **37 FRIEND STREET REALTY TRUST** **SHWS** **S100828047**
East **37 FRIEND ST** **RELEASE** **N/A**
1/2-1 **AMESBURY, MA 01913** **ENF**
0.800 mi.
4224 ft. **Site 1 of 2 in cluster C**

Relative:
Lower

Actual:
81 ft.

SHWS:

Release Tracking Number/Current Status:	3-0002855 / RAO
Release Town:	AMESBURY
Notification Date:	01/15/1990
Category:	NONE
Associated ID:	Not reported
Current Status:	**Response Action Outcome**
Status Date:	04/26/2006
Phase:	PHASE II
Response Action Outcome:	A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material:	Oil
Location Type:	COMMERCIAL
Source:	DRYWELL

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

Chemicals:

Chemical:	VOCS
Quantity:	Not reported

Actions:

Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	1/15/1990
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	1/19/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	1/25/2005
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Compliance and Enforcement Action
Action Status:	Notice of Non-Compliance Issued
Action Date:	1/26/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	4/26/2006
Response Action Outcome:	A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

37 FRIEND STREET REALTY TRUST (Continued) **S100828047**

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/26/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release:
Release Tracking Number/Current Status: 3-0002855 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 01/15/1990
Category: NONE
Status Date: 04/26/2006
Phase: PHASE II
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1990
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 1/19/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/25/2005
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Compliance and Enforcement Action
Action Status: Notice of Non-Compliance Issued
Action Date: 1/26/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 4/26/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 4/26/2006
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced

37 FRIEND STREET REALTY TRUST (Continued) **S100828047**

to background or a threat of release has been eliminated.

Chemicals:
Chemical: VOCS
Quantity: Not reported
Location Type: COMMERCIAL
Source: DRYWELL

ENFORCEMENT:
Region: NERO
DEP Region: NERO
DEP Program: 3R
DEP Bureau: BWSC
Program: Not reported
Program Id: 3-0002855
High Or Low Level Enforcement: LLE
FMF #: Not reported
Comptroller Billing Name: Not reported
Town Where Violation Occurred: Not reported
Date Executed: 01/26/2006
ENF #: NON-NE-05-3R095
Document Type: NON
AG Ref (Y/N): Not reported
Doc Archived (Y/N): Not reported
EJ Community (Y/N): Not reported
Regional Comment: Not reported
Final Payment Due Date: Not reported
ACOP $: Not reported
PAN $: Not reported
EMS (Y/N): Not reported
EMS$: Not reported
SEP (Y/N): Not reported
SEP $: Not reported
Demand $: Not reported
Suspended $: Not reported
Ownership: Commercially Owned

C13 **TEDS TEXACO FMR** **SHWS** **S105199424**
East **46-50 52-54 FRIEND ST** **RELEASE** **N/A**
1/2-1 **AMESBURY, MA 01913**
0.802 mi.
4237 ft. **Site 2 of 2 in cluster C**

Relative: **Lower**
Actual: **81 ft.**

SHWS:
Release Tracking Number/Current Status: 3-0001792 / RAO
Release Town: AMESBURY
Notification Date: 01/15/1989
Category: NONE
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 08/11/1997
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Not reported

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

TEDS TEXACO FMR (Continued) **S105199424**

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1989
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: RAOEQ
Action Date: 8/11/1997
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0001792 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 01/15/1989
Category: NONE
Status Date: 08/11/1997
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1989
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: RAOEQ
Action Date: 8/11/1997
Response Action Outcome: Not reported

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

14
SE
1/2-1
0.823 mi.
4345 ft.

NO LOCATION AID **SHWS S102086283**
21 HILLSIDE AVE **RELEASE N/A**
AMESBURY, MA 01913

Relative: Lower
Actual: 102 ft.

SHWS:
Release Tracking Number/Current Status: 3-0011936 / RAO
Release Town: AMESBURY
Notification Date: 12/08/1994
Category: TWO HR
Associated ID: Not reported

NO LOCATION AID (Continued) **S102086283**

Current Status: **Response Action Outcome**
Status Date: 02/08/1995
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil Or Haz Material: Oil
Location Type: RESIDNTIAL
Source: PIPE

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

Chemicals:
Chemical: #2 FUEL OIL
Quantity: Not reported
Chemical: #2 FUEL OIL
Quantity: 10 gallons

Actions:
Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 12/14/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/14/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 12/16/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 12/8/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 12/8/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 2/8/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RNF
Action Status: Reportable Release under MGL 21E

NO LOCATION AID (Continued) **S102086283**

Action Date: 2/8/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Release:
Release Tracking Number/Current Status: 3-0011936 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 12/08/1994
Category: TWO HR
Status Date: 02/08/1995
Phase: Not reported
Response Action Outcome: A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type: Oil

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

Actions:
Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 12/14/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: RLFA
Action Status: FOLOFF
Action Date: 12/14/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 12/16/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 12/8/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 12/8/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 2/8/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

NO LOCATION AID (Continued) **S102086283**

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 2/8/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.

Chemicals:
Chemical: #2 FUEL OIL
Quantity: Not reported
Chemical: #2 FUEL OIL
Quantity: 10 gallons
Location Type: RESIDNTIAL
Source: PIPE

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15 East 1/2-1 0.902 mi. 4764 ft. **NO LOCATION AID** **SHWS S102087712**
36 MAIN ST **INST CONTROL N/A**
AMESBURY, MA 01913 **RELEASE**

Relative: Lower
Actual: 51 ft.

SHWS:
Release Tracking Number/Current Status: 3-0013943 / RAO
Release Town: AMESBURY
Notification Date: 06/25/1996
Category: 120 DY
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 06/25/1997
Phase: Not reported
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil Or Haz Material: Oil and Hazardous Material

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

Chemicals:
Chemical: ARSENIC
Quantity: 30 milligrams per kilogram
Chemical: OIL
Quantity: 3300 milligrams per kilogram

Actions:
Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 1/11/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 5/10/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Level II - Audit Inspection

NO LOCATION AID (Continued) **S102087712**

Action Date: 5/27/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received
Action Date: 6/11/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Amendment Received or Issued
Action Date: 6/11/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Action Status or AUL Terminated
Action Date: 6/14/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Revised Statement or Transmittal Received
Action Date: 6/14/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/25/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 6/25/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/25/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 6/25/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 6/27/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

NO LOCATION AID (Continued) **S102087712**

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 6/9/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 7/28/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/29/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

INST CONTROL:
Release Tracking Number: 3-0013943
Action Type: AUL
Action Stat: AMEND
Action Date: 06/11/2002
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.

Release Tracking Number: 3-0013943
Action Type: AUL
Action Stat: LEGNOT
Action Date: 06/09/2004
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.

Release Tracking Number: 3-0013943
Action Type: AUL
Action Stat: RECPT
Action Date: 06/25/1997
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.

Release Tracking Number: 3-0013943
Action Type: AUL
Action Stat: TERMIN
Action Date: 06/14/2004
Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.

Release:
Release Tracking Number/Current Status: 3-0013943 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 06/25/1996
Category: 120 DY
Status Date: 06/25/1997
Phase: Not reported

NO LOCATION AID (Continued) **S102087712**

Response Action Outcome: B1 - Remedial actions have not been conducted because a level of No Significant Risk exists.
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 1/11/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 5/10/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Level II - Audit Inspection
Action Date: 5/27/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: Audit Follow-up Completion Statement Received
Action Date: 6/11/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Amendment Received or Issued
Action Date: 6/11/2002
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Action Status or AUL Terminated
Action Date: 6/14/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Revised Statement or Transmittal Received
Action Date: 6/14/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 6/25/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E

NO LOCATION AID (Continued) **S102087712**

Action Date: 6/25/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 6/25/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 6/25/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 6/27/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: Activity and Use Limitation
Action Status: Legal Notice Published
Action Date: 6/9/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 7/28/2004
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/29/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

Chemicals:
Chemical: ARSENIC
Quantity: 30 milligrams per kilogram
Chemical: OIL
Quantity: 3300 milligrams per kilogram

16
East
1/2-1
0.929 mi.
4903 ft.

MILL YARD SITE
MAIN ST HIGH ST
AMESBURY, MA 01913

SHWS **S101856485**
RELEASE **N/A**

Relative:
Lower

Actual:
49 ft.

SHWS:
Release Tracking Number/Current Status: 3-0000200 / DEPNFA
Release Town: AMESBURY
Notification Date: 01/15/1987
Category: NONE

MILL YARD SITE (Continued) **S101856485**

Associated ID: Not reported
Current Status: **No Further Action (DEP Determined)**
Status Date: 07/23/1993
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Not reported

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

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1987
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: DEPNFA
Action Date: 7/23/1993
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: REMSIT
Action Date: 7/23/1993
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0000200 / DEPNFA
Primary ID: Not reported
Official City: AMESBURY
Notification: 01/15/1987
Category: NONE
Status Date: 07/23/1993
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 1/15/1987
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: DEPNFA
Action Date: 7/23/1993
Response Action Outcome: Not reported

Action Type: TREGS

MILL YARD SITE (Continued) **S101856485**

Action Status: REMSIT
Action Date: 7/23/1993
Response Action Outcome: Not reported

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

17
ESE
1/2-1
0.932 mi.
4921 ft.

PROPERTY **SHWS** **S100360532**
194 MAIN ST **RELEASE** **N/A**
AMESBURY, MA 01913 **ASBESTOS**

Relative:
Lower

Actual:
40 ft.

SHWS:
Release Tracking Number/Current Status: 3-0002068 / RAO
Release Town: AMESBURY
Notification Date: 04/15/1989
Category: NONE
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 08/25/1995
Phase: Not reported
Response Action Outcome: A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil Or Haz Material: Not reported

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

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 4/15/1989
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: TREGS
Action Status: LSPNFA
Action Date: 7/8/1994
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 8/25/1995
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.

Release:
Release Tracking Number/Current Status: 3-0002068 / RAO
Primary ID: Not reported

PROPERTY (Continued) **S100360532**

Official City:	AMESBURY
Notification:	04/15/1989
Category:	NONE
Status Date:	08/25/1995
Phase:	Not reported
Response Action Outcome:	A2 - A permanent solution has been achieved. Contamination has not been reduced to background.
Oil / Haz Material Type:	Not reported

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

Actions:

Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	4/15/1989
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	TREGS
Action Status:	LSPNFA
Action Date:	7/8/1994
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	8/25/1995
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.

Chemicals:

Chemical:	UNKNOWN
Quantity:	Not reported

ASBESTOS:

Notification:	100230006
DEP Region:	NE
Notifiers Name:	S & S ABATEMENT LLC
Start Date:	10/26/2015
End Date:	10/30/2015
Date Entered:	01/10/2015
Entry Date:	10/01/2015
Quantity Materical Removed SF:	4810
Quantity Material Removed LF:	Not reported
Project Description:	OTHER TILE & MASTIC
AR Tracking ID:	Not reported
Super Lic Number:	Not reported
Monitor Lic Number:	Not reported
Lab Lic Number:	Not reported
Year:	Not reported
Sticker Number:	Not reported
Form Type:	Not reported
Fee Status:	Not reported
Facility Phone:	Not reported
Sub Town:	Not reported
Worksite:	Not reported

PROPERTY (Continued) **S100360532**

Occupied:	Not reported
Contractor:	Not reported
Contract Type:	Not reported
Hours:	Not reported
Project Type:	Not reported
Abatement Process:	Not reported
Location:	Not reported
Decon Process:	Not reported
Disposal Methods:	Not reported
Facility Usage:	Not reported
Waiver Given:	Not reported
DEP Waiver Number:	Not reported
DLWD Waiver Number:	Not reported
Small Owner Occ:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City:	Not reported
Owner State:	Not reported
On Site Manager Name:	Not reported
On Site Manager Phone:	Not reported
Ins Comp:	Not reported
Policy Number:	Not reported
EXP Date:	Not reported
Facility Size:	Not reported
Transporter Name:	Not reported
Transporter Address:	Not reported
Transporter City:	Not reported
Transporter State:	Not reported
Final Site:	Not reported
Certified Name:	Not reported
Cert Sign Date:	Not reported
Certified Company:	Not reported
Certified Phone:	Not reported
Entered_by:	Not reported

18
East
1/2-1
0.934 mi.
4933 ft.

REID S FOUNDRY
MILL STREET EXT
AMESBURY, MA 01913

SHWS RELEASE **S105199243 N/A**

Relative:
Lower

Actual:
25 ft.

SHWS:

Release Tracking Number/Current Status:	3-0000513 / DEPNFA
Release Town:	AMESBURY
Notification Date:	07/16/1986
Category:	NONE
Associated ID:	Not reported
Current Status:	**No Further Action (DEP Determined)**
Status Date:	07/23/1993
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Not reported

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

Chemicals:

REID S FOUNDRY (Continued) **S105199243**

Chemical: UNKNOWN
Quantity: Not reported

Actions:
Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/16/1986
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 7/16/1986
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: DEPNFA
Action Date: 7/23/1993
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0000513 / DEPNFA
Primary ID: Not reported
Official City: AMESBURY
Notification: 07/16/1986
Category: NONE
Status Date: 07/23/1993
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

Actions:
Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 7/16/1986
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 7/16/1986
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: DEPNFA
Action Date: 7/23/1993
Response Action Outcome: Not reported

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

D19 **NO LOCATION AID** **SHWS** **S110822261**
East **33 MILL STREET** **BROWNFIELDS** **N/A**
1/2-1 **AMESBURY, MA 01913** **RELEASE**
0.947 mi. **ENF**
4999 ft. **Site 1 of 2 in cluster D**

Relative: Lower
Actual: 20 ft.

SHWS:

Release Tracking Number/Current Status:	3-0029912 / TIERII
Release Town:	AMESBURY
Notification Date:	03/30/2011
Category:	120 DY
Associated ID:	3-0029912
Current Status:	**Tier II, A site/release receiving a total NRS score of less than 350, unless the site meets any of the Tier 1 Inclusionary Criteria (see above). Permits are not required at Tier 2 sites/releases and response actions may be performed under the supervision of an LSP without prior DEP approval. All pre-1993 transition sites that have accepted waivers are categorically Tier 2 sites.**
Status Date:	12/22/2011
Phase:	PHASE III
Response Action Outcome:	-
Oil Or Haz Material:	Oil and Hazardous Material

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

Chemicals:

Chemical:	2-METHYLNAPHTHALENE
Quantity:	65.3 milligrams per kilogram
Chemical:	PHENANTHRENE
Quantity:	109 milligrams per kilogram
Chemical:	TOLUENE
Quantity:	233 milligrams per kilogram
Chemical:	ACENAPHTHENE
Quantity:	9.1 milligrams per kilogram
Chemical:	BENZO[B]FLUORANTHENE
Quantity:	17.2 milligrams per kilogram
Chemical:	NAPHTHALENE
Quantity:	1070 milligrams per kilogram
Chemical:	ACENAPHTHYLENE
Quantity:	65.3 milligrams per kilogram
Chemical:	BENZO[A]ANTHRACENE
Quantity:	22.4 milligrams per kilogram
Chemical:	BENZO[A]PYRENE
Quantity:	19.4 milligrams per kilogram
Chemical:	ARSENIC
Quantity:	45.7 milligrams per kilogram
Chemical:	CHROMIUM
Quantity:	41.5 milligrams per kilogram
Chemical:	DIBENZ[A,H]ANTHRACENE
Quantity:	0.894 milligrams per kilogram
Chemical:	TPH
Quantity:	5610 milligrams per kilogram
Chemical:	NICKEL
Quantity:	26.7 milligrams per kilogram
Chemical:	TPH
Quantity:	12.5 milligrams per liter
Chemical:	BENZENE
Quantity:	41.5 milligrams per kilogram

NO LOCATION AID (Continued) **S110822261**

Chemical: 2,4-DIMETHYLPHENOL
Quantity: 3.62 milligrams per kilogram
Chemical: STYRENE
Quantity: 102 milligrams per kilogram
Chemical: LEAD
Quantity: 0.014 milligrams per liter

Actions:

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 1/25/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 1/6/2012
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 12/17/2013
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 12/17/2013
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 12/27/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/22/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 3/10/2015
Response Action Outcome: Not reported

NO LOCATION AID (Continued) **S110822261**

Action Type: FTLI
Action Status: APPREC
Action Date: 3/23/2017
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/30/2011
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/30/2011
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/30/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 3/7/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/23/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/26/2011
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/28/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 4/3/2015
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 4/4/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 5/1/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF

NO LOCATION AID (Continued) **S110822261**

Action Date: 7/14/2014
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 9/26/2016
Response Action Outcome: Not reported

Release Tracking Number/Current Status: 3-0030292 / RAONR
Release Town: AMESBURY
Notification Date: 09/13/2011
Category: TWO HR
Associated ID: Not reported
Current Status: **Response Action Outcome Not Required**
Status Date: 01/25/2012
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Hazardous Material
Location Type: VACANT
Location Type: LOT
Source: HISTORICL

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

Chemicals:
Chemical: ARSENIC
Quantity: 363 milligrams per kilogram

Actions:
Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 1/19/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 1/25/2012
Response Action Outcome: Not reported

Action Type: RAO Not Required
Action Status: Linked to a Tier Classified Site
Action Date: 1/25/2012
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 1/29/2015
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 1/6/2012
Response Action Outcome: Not reported

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

NO LOCATION AID (Continued) **S110822261**

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 10/21/2011
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/5/2011
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/5/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 11/8/2011
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDD1U
Action Date: 11/8/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 11/8/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 12/12/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 12/27/2011
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 12/3/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead
Action Status: IRA Assessment Only
Action Date: 12/3/2014

NO LOCATION AID (Continued) **S110822261**

Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Revised Statement or Transmittal Received
Action Date: 2/17/2012
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 2/17/2012
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/22/2016
Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit
Action Status: Notice of Non-compliance related to an Audit
Action Date: 3/20/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Submittal Determined to be Invalid by DEP
Action Date: 3/20/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 3/23/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 3/7/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/23/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/28/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 4/4/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 5/1/2014
Response Action Outcome: Not reported

NO LOCATION AID (Continued) **S110822261**

Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	6/12/2014
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	6/9/2014
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	7/14/2014
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	DEPRET
Action Date:	7/14/2014
Response Action Outcome:	Not reported
Action Type:	An activity type that is related to an Audit
Action Status:	DEPRET
Action Date:	7/14/2014
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action - DEP Lead
Action Status:	IRA Assessment Only
Action Date:	8/19/2014
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action - DEP Lead
Action Status:	Work Started
Action Date:	8/19/2014
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FLDDO
Action Date:	8/19/2014
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action - DEP Lead
Action Status:	IRA Assessment Only
Action Date:	8/20/2014
Response Action Outcome:	Not reported
Action Type:	RLFA
Action Status:	FLDDO
Action Date:	8/20/2014
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	9/13/2011
Response Action Outcome:	Not reported
Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action

NO LOCATION AID (Continued) **S110822261**

Action Date: 9/13/2011
Response Action Outcome: Not reported

BROWNFIELDS 2:
RTN: 3-0029912
RAO Class: Not reported
Other RTNs: 3-0030292
Current Owner: 33 Mill Street Llc
MCP Status: TIER 2
AUL: Not reported
COCs: petroleum, SVOCs, metals, coal tar
Former Use: Manufactured Gas Plant
Current Use: Vacant
Total Acreage: 0.39

Release:
Release Tracking Number/Current Status: 3-0029912 / TIERII
Primary ID: 3-0029912
Official City: AMESBURY
Notification: 03/30/2011
Category: 120 DY
Status Date: 12/22/2011
Phase: PHASE III
Response Action Outcome: -
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: Tier Classification
Action Status: RTN Linked to TCLASS Via Tier Classification Submittal
Action Date: 1/25/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 1/6/2012
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 12/17/2013
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Notice of Delay in Meeting RA Deadline Received
Action Date: 12/17/2013
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification

NO LOCATION AID (Continued) **S110822261**

Action Status: Tier 2 Classification
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 12/27/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/22/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 3/10/2015
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 3/23/2017
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/30/2011
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/30/2011
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/30/2011
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 3/7/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/23/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 4/26/2011

NO LOCATION AID (Continued) **S110822261**

Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/28/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 4/3/2015
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 4/4/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 5/1/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/14/2014
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 9/26/2016
Response Action Outcome: Not reported

Chemicals:
Chemical: 2-METHYLNAPHTHALENE
Quantity: 65.3 milligrams per kilogram
Chemical: PHENANTHRENE
Quantity: 109 milligrams per kilogram
Chemical: TOLUENE
Quantity: 233 milligrams per kilogram
Chemical: ACENAPHTHENE
Quantity: 9.1 milligrams per kilogram
Chemical: BENZO[B]FLUORANTHENE
Quantity: 17.2 milligrams per kilogram
Chemical: NAPHTHALENE
Quantity: 1070 milligrams per kilogram
Chemical: ACENAPHTHYLENE
Quantity: 65.3 milligrams per kilogram
Chemical: BENZO[A]ANTHRACENE
Quantity: 22.4 milligrams per kilogram
Chemical: BENZO[A]PYRENE
Quantity: 19.4 milligrams per kilogram
Chemical: ARSENIC
Quantity: 45.7 milligrams per kilogram
Chemical: CHROMIUM
Quantity: 41.5 milligrams per kilogram
Chemical: DIBENZ[A,H]ANTHRACENE
Quantity: 0.894 milligrams per kilogram

NO LOCATION AID (Continued) **S110822261**

Chemical:	TPH
Quantity:	5610 milligrams per kilogram
Chemical:	NICKEL
Quantity:	26.7 milligrams per kilogram
Chemical:	TPH
Quantity:	12.5 milligrams per liter
Chemical:	BENZENE
Quantity:	41.5 milligrams per kilogram
Chemical:	2,4-DIMETHYLPHENOL
Quantity:	3.62 milligrams per kilogram
Chemical:	STYRENE
Quantity:	102 milligrams per kilogram
Chemical:	LEAD
Quantity:	0.014 milligrams per liter

Release Tracking Number/Current Status:	3-0030292 / RAONR
Primary ID:	Not reported
Official City:	AMESBURY
Notification:	09/13/2011
Category:	TWO HR
Status Date:	01/25/2012
Phase:	Not reported
Response Action Outcome:	-
Oil / Haz Material Type:	Hazardous Material

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

Actions:

Action Type:	Immediate Response Action
Action Status:	Level I - Technical Screen Audit
Action Date:	1/19/2012
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	RTN Linked to TCLASS Via Tier Classification Submittal
Action Date:	1/25/2012
Response Action Outcome:	Not reported

Action Type:	RAO Not Required
Action Status:	Linked to a Tier Classified Site
Action Date:	1/25/2012
Response Action Outcome:	Not reported

Action Type:	RLFA
Action Status:	FOLOFF
Action Date:	1/29/2015
Response Action Outcome:	Not reported

Action Type:	Tier Classification
Action Status:	Legal Notice Published
Action Date:	1/6/2012
Response Action Outcome:	Not reported

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	10/21/2011
Response Action Outcome:	Not reported

NO LOCATION AID (Continued) **S110822261**

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 10/5/2011
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 10/5/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Completion Statement Received
Action Date: 11/8/2011
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDD1U
Action Date: 11/8/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 11/8/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Level I - Technical Screen Audit
Action Date: 12/12/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/22/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Legal Notice Published
Action Date: 12/27/2011
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLFLD
Action Date: 12/3/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead
Action Status: IRA Assessment Only
Action Date: 12/3/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Revised Statement or Transmittal Received

NO LOCATION AID (Continued) **S110822261**

Action Date: 2/17/2012
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Imminent Hazard Evaluation Received
Action Date: 2/17/2012
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 2/22/2016
Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit
Action Status: Notice of Non-compliance related to an Audit
Action Date: 3/20/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Submittal Determined to be Invalid by DEP
Action Date: 3/20/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 3/23/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 3/7/2016
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPREC
Action Date: 4/23/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 4/28/2014
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 4/4/2017
Response Action Outcome: Not reported

Action Type: FTLI
Action Status: APPACC
Action Date: 5/1/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/12/2014
Response Action Outcome: Not reported

NO LOCATION AID (Continued) **S110822261**

Action Type: RLFA
Action Status: FOLOFF
Action Date: 6/9/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FOLOFF
Action Date: 7/14/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: DEPRET
Action Date: 7/14/2014
Response Action Outcome: Not reported

Action Type: An activity type that is related to an Audit
Action Status: DEPRET
Action Date: 7/14/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead
Action Status: IRA Assessment Only
Action Date: 8/19/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead
Action Status: Work Started
Action Date: 8/19/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDDO
Action Date: 8/19/2014
Response Action Outcome: Not reported

Action Type: Immediate Response Action - DEP Lead
Action Status: IRA Assessment Only
Action Date: 8/20/2014
Response Action Outcome: Not reported

Action Type: RLFA
Action Status: FLDDO
Action Date: 8/20/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 9/13/2011
Response Action Outcome: Not reported

Action Type: Immediate Response Action
Action Status: Oral Approval of Plan or Action
Action Date: 9/13/2011
Response Action Outcome: Not reported

Chemicals:
Chemical: ARSENIC

NO LOCATION AID (Continued) **S110822261**

Quantity:	363 milligrams per kilogram
Location Type:	VACANT
Location Type:	LOT
Source:	HISTORICL

ENFORCEMENT:

Region:	NERO
DEP Region:	NERO
DEP Program:	3R
DEP Bureau:	BWSC
Program:	BWSC
Program Id:	3-0030292
High Or Low Level Enforcement:	LLE
FMF #:	Not reported
Comptroller Billing Name:	Not reported
Town Where Violation Occurred:	Amesbury
Date Executed:	03/20/2014
ENF #:	NON-NE-14-3R022
Document Type:	NON
AG Ref (Y/N):	Not reported
Doc Archived (Y/N):	Not reported
EJ Community (Y/N):	Y
Regional Comment:	Not reported
Final Payment Due Date:	Not reported
ACOP $:	Not reported
PAN $:	Not reported
EMS (Y/N):	Not reported
EMS$:	Not reported
SEP (Y/N):	Not reported
SEP $:	Not reported
Demand $:	Not reported
Suspended $:	Not reported
Ownership:	Commercially Owned

20
SSE
1/2-1
0.948 mi.
5007 ft.

HILLSIDE NO 66 SUBSTATION **SHWS** **S110822241**
9 ALENCLAIR DR **RELEASE** **N/A**
AMESBURY, MA 01913

Relative:
Lower

Actual:
94 ft.

SHWS:

Release Tracking Number/Current Status:	3-0029867 / PSC
Release Town:	AMESBURY
Notification Date:	03/16/2011
Category:	120 DY
Associated ID:	Not reported
Current Status:	**PSC**
Status Date:	03/17/2016
Phase:	PHASE IV
Response Action Outcome:	-
Oil Or Haz Material:	Oil

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

Chemicals:

Chemical:	C11 THRU C22 AROMATIC HYDROCARBONS

HILLSIDE NO 66 SUBSTATION (Continued) **S110822241**

Quantity: 3150 milligrams per kilogram
Chemical: C9 THRU C18 ALIPHATIC HYDROCARBONS
Quantity: 7580 milligrams per kilogram
Chemical: C19 THRU C36 ALIPHATIC HYDROCARBONS
Quantity: 11000 milligrams per kilogram

Actions:

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 1/9/2012
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/16/2011
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/16/2011
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/16/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/16/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/16/2012
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 3/16/2012
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSCRCD
Action Date: 3/17/2016
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 3/24/2014
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 3/24/2014
Response Action Outcome: Not reported

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

HILLSIDE NO 66 SUBSTATION (Continued) **S110822241**

Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/31/2011
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0029867 / PSC
Primary ID: Not reported
Official City: AMESBURY
Notification: 03/16/2011
Category: 120 DY
Status Date: 03/17/2016
Phase: PHASE IV
Response Action Outcome: -
Oil / Haz Material Type: Oil

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

Actions:
Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: ALSENT
Action Date: 1/9/2012
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 3/16/2011
Response Action Outcome: Not reported

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 3/16/2011
Response Action Outcome: Not reported

Action Type: RNFE
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/16/2011
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Tier 2 Classification
Action Date: 3/16/2012
Response Action Outcome: Not reported

Action Type: Tier Classification
Action Status: Transmittal, Notice, or Notification Received
Action Date: 3/16/2012
Response Action Outcome: Not reported

Action Type: Phase 1
Action Status: Completion Statement Received
Action Date: 3/16/2012
Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: PSCRCD

HILLSIDE NO 66 SUBSTATION (Continued) **S110822241**

Action Date: 3/17/2016
Response Action Outcome: Not reported

Action Type: Phase 2
Action Status: Completion Statement Received
Action Date: 3/24/2014
Response Action Outcome: Not reported

Action Type: Phase 3
Action Status: Completion Statement Received
Action Date: 3/24/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/31/2011
Response Action Outcome: Not reported

Chemicals:
Chemical: C11 THRU C22 AROMATIC HYDROCARBONS
Quantity: 3150 milligrams per kilogram
Chemical: C9 THRU C18 ALIPHATIC HYDROCARBONS
Quantity: 7580 milligrams per kilogram
Chemical: C19 THRU C36 ALIPHATIC HYDROCARBONS
Quantity: 11000 milligrams per kilogram

21
East
1/2-1
0.955 mi.
5041 ft.

NO LOCATION AID **SHWS** **S116756067**
5-29 WATER STREET **LUST** **N/A**
AMESBURY, MA 01913 **RELEASE**

Relative:
Lower

Actual:
28 ft.

SHWS:
Release Tracking Number/Current Status: 3-0032310 / URAM
Release Town: AMESBURY
Notification Date: 08/04/2014
Category: 120 DY
Associated ID: Not reported
Current Status: **URAM**
Status Date: 08/11/2014
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil and Hazardous Material
Location Type: RIGHTOFWAY
Location Type: ROADWAY
Source: UST
Source: RTN'S
Source: 3-16715
Source: USTOTHER
Source: 3-19634

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

Chemicals:
Chemical: NAPHTHALENE
Quantity: 6.2 milligrams per kilogram

NO LOCATION AID (Continued) **S116756067**

Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 660 milligrams per kilogram
Chemical: LEAD
Quantity: 880 milligrams per kilogram

Actions:
Action Type: BOL
Action Status: SHPFAC
Action Date: 10/8/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPTMP
Action Date: 10/8/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Completion Statement Received
Action Date: 12/2/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notification of URAM Received
Action Date: 8/11/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/12/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/26/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notice of Intent to Conduct a URAM
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: URAMLR
Action Date: 8/7/2014
Response Action Outcome: Not reported

Release Tracking Number/Current Status: 3-0032310 / URAM
Release Town: AMESBURY
Notification Date: 08/04/2014
Category: 120 DY
Associated ID: Not reported
Current Status: **URAM**

NO LOCATION AID (Continued) **S116756067**

Status Date:	08/11/2014
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil and Hazardous Material
Location Type:	RIGHTOFWAY
Location Type:	ROADWAY
Source:	UST
Source:	RTN'S
Source:	3-16715
Source:	USTOTHER
Source:	3-19634

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

Chemicals:

Chemical:	NAPHTHALENE
Quantity:	6.2 milligrams per kilogram
Chemical:	C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity:	660 milligrams per kilogram
Chemical:	LEAD
Quantity:	880 milligrams per kilogram

Actions:

Action Type:	BOL
Action Status:	SHPFAC
Action Date:	10/8/2014
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPTMP
Action Date:	10/8/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Completion Statement Received
Action Date:	12/2/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Notification of URAM Received
Action Date:	8/11/2014
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	8/12/2014
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	8/26/2014
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	8/4/2014

NO LOCATION AID (Continued) **S116756067**

Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notice of Intent to Conduct a URAM
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: URAMLR
Action Date: 8/7/2014
Response Action Outcome: Not reported

Release Tracking Number/Current Status: 3-0032310 / URAM
Release Town: AMESBURY
Notification Date: 08/04/2014
Category: 120 DY
Associated ID: Not reported
Current Status: **URAM**
Status Date: 08/11/2014
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil and Hazardous Material
Location Type: RIGHTOFWAY
Location Type: ROADWAY
Source: UST
Source: RTN'S
Source: 3-16715
Source: USTOTHER
Source: 3-19634

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

Chemicals:
Chemical: NAPHTHALENE
Quantity: 6.2 milligrams per kilogram
Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 660 milligrams per kilogram
Chemical: LEAD
Quantity: 880 milligrams per kilogram

Actions:
Action Type: BOL
Action Status: SHPFAC
Action Date: 10/8/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPTMP
Action Date: 10/8/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Completion Statement Received
Action Date: 12/2/2014
Response Action Outcome: Not reported

NO LOCATION AID (Continued) **S116756067**

Action Type: Utility-related Abatement Measure
Action Status: Notification of URAM Received
Action Date: 8/11/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/12/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/26/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notice of Intent to Conduct a URAM
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: URAMLR
Action Date: 8/7/2014
Response Action Outcome: Not reported

LUST:

Facility:
Release Tracking Number/Current Status: 3-0032310 / URAM
Status Date: 08/11/2014
Source Type: UST
Release Town: AMESBURY
Notification Date: 08/04/2014
Category: 120 DY
Associated ID: Not reported
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Oil and Hazardous Material

Location Type: RIGHTOFWAY
Location Type: ROADWAY
Source: UST
Source: RTN'S
Source: 3-16715
Source: USTOTHER
Source: 3-19634

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

NO LOCATION AID (Continued) **S116756067**

Chemicals:
- Chemical: NAPHTHALENE
- Quantity: 6.2 milligrams per kilogram
- Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
- Quantity: 660 milligrams per kilogram
- Chemical: LEAD
- Quantity: 880 milligrams per kilogram

Actions:
- Action Type: BOL
- Action Status: SHPFAC
- Action Date: 10/8/2014
- Response Action Outcome: Not reported

- Action Type: BOL
- Action Status: SHPTMP
- Action Date: 10/8/2014
- Response Action Outcome: Not reported

- Action Type: Utility-related Abatement Measure
- Action Status: Completion Statement Received
- Action Date: 12/2/2014
- Response Action Outcome: Not reported

- Action Type: Utility-related Abatement Measure
- Action Status: Notification of URAM Received
- Action Date: 8/11/2014
- Response Action Outcome: Not reported

- Action Type: BOL
- Action Status: Transmittal, Notice, or Notification Received
- Action Date: 8/12/2014
- Response Action Outcome: Not reported

- Action Type: BOL
- Action Status: Transmittal, Notice, or Notification Received
- Action Date: 8/26/2014
- Response Action Outcome: Not reported

- Action Type: Release Disposition
- Action Status: Reportable Release under MGL 21E
- Action Date: 8/4/2014
- Response Action Outcome: Not reported

- Action Type: Utility-related Abatement Measure
- Action Status: Notice of Intent to Conduct a URAM
- Action Date: 8/4/2014
- Response Action Outcome: Not reported

- Action Type: A Notice sent to a Potentially Responsible Party (PRP)
- Action Status: URAMLR
- Action Date: 8/7/2014
- Response Action Outcome: Not reported

Facility:
- Release Tracking Number/Current Status: 3-0032310 / URAM

NO LOCATION AID (Continued) **S116756067**

Status Date:	08/11/2014
Source Type:	USTOTHER
Release Town:	AMESBURY
Notification Date:	08/04/2014
Category:	120 DY
Associated ID:	Not reported
Phase:	Not reported
Response Action Outcome:	-
Oil Or Haz Material:	Oil and Hazardous Material
Location Type:	RIGHTOFWAY
Location Type:	ROADWAY
Source:	UST
Source:	RTN'S
Source:	3-16715
Source:	USTOTHER
Source:	3-19634

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

Chemicals:

Chemical:	NAPHTHALENE
Quantity:	6.2 milligrams per kilogram
Chemical:	C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity:	660 milligrams per kilogram
Chemical:	LEAD
Quantity:	880 milligrams per kilogram

Actions:

Action Type:	BOL
Action Status:	SHPFAC
Action Date:	10/8/2014
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	SHPTMP
Action Date:	10/8/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Completion Statement Received
Action Date:	12/2/2014
Response Action Outcome:	Not reported
Action Type:	Utility-related Abatement Measure
Action Status:	Notification of URAM Received
Action Date:	8/11/2014
Response Action Outcome:	Not reported
Action Type:	BOL
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	8/12/2014
Response Action Outcome:	Not reported
Action Type:	BOL

NO LOCATION AID (Continued) **S116756067**

Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/26/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notice of Intent to Conduct a URAM
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: URAMLR
Action Date: 8/7/2014
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0032310 / URAM
Primary ID: Not reported
Official City: AMESBURY
Notification: 08/04/2014
Category: 120 DY
Status Date: 08/11/2014
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: BOL
Action Status: SHPFAC
Action Date: 10/8/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: SHPTMP
Action Date: 10/8/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Completion Statement Received
Action Date: 12/2/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notification of URAM Received
Action Date: 8/11/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received

NO LOCATION AID (Continued) **S116756067**

Action Date: 8/12/2014
Response Action Outcome: Not reported

Action Type: BOL
Action Status: Transmittal, Notice, or Notification Received
Action Date: 8/26/2014
Response Action Outcome: Not reported

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: Utility-related Abatement Measure
Action Status: Notice of Intent to Conduct a URAM
Action Date: 8/4/2014
Response Action Outcome: Not reported

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: URAMLR
Action Date: 8/7/2014
Response Action Outcome: Not reported

Chemicals:
Chemical: NAPHTHALENE
Quantity: 6.2 milligrams per kilogram
Chemical: C5 THRU C8 ALIPHATIC HYDROCARBONS
Quantity: 660 milligrams per kilogram
Chemical: LEAD
Quantity: 880 milligrams per kilogram
Location Type: RIGHTOFWAY
Location Type: ROADWAY
Source: UST
Source: RTN'S
Source: 3-16715
Source: USTOTHER
Source: 3-19634

D22 **ABUTTING SUBSTATION** **SHWS** **S100828048**
East **MILL ST** **INST CONTROL** **N/A**
1/2-1 **AMESBURY, MA 01913** **RELEASE**
0.957 mi.
5055 ft. **Site 2 of 2 in cluster D**

Relative:
Lower

Actual:
16 ft.

SHWS:
Release Tracking Number/Current Status: 3-0014817 / RAO
Release Town: AMESBURY
Notification Date: 12/26/1996
Category: 120 DY
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 12/26/1997
Phase: Not reported
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Oil Or Haz Material: Oil and Hazardous Material

ABUTTING SUBSTATION (Continued) **S100828048**

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

Chemicals:
Chemical: ARSENIC
Quantity: 63 milligrams per kilogram
Chemical: OIL
Quantity: 1000 milligrams per kilogram

Actions:
Action Type: RLFA
Action Status: FLDD1U
Action Date: 11/2/2006
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 11/2/2006
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 11/22/2006
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 12/26/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/26/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/26/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/26/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No

ABUTTING SUBSTATION (Continued) **S100828048**

Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 12/30/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/7/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 7/14/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 7/17/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 7/17/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 8/5/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

INST CONTROL:
Release Tracking Number: 3-0014817
Action Type: AUL
Action Stat: RECPT
Action Date: 12/26/1997
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Release Tracking Number: 3-0014817
Action Type: AUL

ABUTTING SUBSTATION (Continued) **S100828048**

Action Stat: SNAUDI
Action Date: 11/02/2006
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Release:
Release Tracking Number/Current Status: 3-0014817 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 12/26/1996
Category: 120 DY
Status Date: 12/26/1997
Phase: Not reported
Response Action Outcome: B2 - Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Oil / Haz Material Type: Oil and Hazardous Material

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

Actions:
Action Type: RLFA
Action Status: FLDD1U
Action Date: 11/2/2006
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Activity and Use Limitation
Action Status: Level II - Audit Inspection
Action Date: 11/2/2006
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 11/22/2006
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Release Disposition
Action Status: Reportable Release under MGL 21E
Action Date: 12/26/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RNF
Action Status: Reportable Release under MGL 21E
Action Date: 12/26/1996
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

ABUTTING SUBSTATION (Continued) **S100828048**

Action Type: Activity and Use Limitation
Action Status: Transmittal, Notice, or Notification Received
Action Date: 12/26/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: RAO Statement Received
Action Date: 12/26/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Fee Received - FMCRA Use Only
Action Date: 12/30/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: A Notice sent to a Potentially Responsible Party (PRP)
Action Status: A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date: 3/7/1997
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NOA
Action Date: 7/14/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 7/17/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: An activity type that is related to an Audit
Action Status: NAFNVD
Action Date: 7/17/2001
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

Action Type: RLFA
Action Status: FLDRAN
Action Date: 8/5/1999
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

ABUTTING SUBSTATION (Continued) **S100828048**

Chemicals:
Chemical: ARSENIC
Quantity: 63 milligrams per kilogram
Chemical: OIL
Quantity: 1000 milligrams per kilogram

23
East
1/2-1
0.970 mi.
5123 ft.

TRADER ALLEN TRUCK STOP **SHWS** **U001004131**
RTE 150 EXETER RD **RELEASE** **N/A**
AMESBURY, MA 01913

Relative:
Lower

Actual:
64 ft.

SHWS:
Release Tracking Number/Current Status: 3-0001604 / RAO
Release Town: AMESBURY
Notification Date: 10/15/1988
Category: NONE
Associated ID: Not reported
Current Status: **Response Action Outcome**
Status Date: 08/08/1995
Phase: Not reported
Response Action Outcome: -
Oil Or Haz Material: Not reported

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

Chemicals:
Chemical: UNKNOWN
Quantity: Not reported

Actions:
Action Type: Release Disposition
Action Status: Valid Transition Site
Action Date: 10/15/1988
Response Action Outcome: Not reported

Action Type: TREGS
Action Status: RAOEQ
Action Date: 8/8/1995
Response Action Outcome: Not reported

Release:
Release Tracking Number/Current Status: 3-0001604 / RAO
Primary ID: Not reported
Official City: AMESBURY
Notification: 10/15/1988
Category: NONE
Status Date: 08/08/1995
Phase: Not reported
Response Action Outcome: -
Oil / Haz Material Type: Not reported

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

TRADER ALLEN TRUCK STOP (Continued) **U001004131**

Actions:

Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	10/15/1988
Response Action Outcome:	Not reported

Action Type:	TREGS
Action Status:	RAOEQ
Action Date:	8/8/1995
Response Action Outcome:	Not reported

Chemicals:

Chemical:	UNKNOWN
Quantity:	Not reported

Count: 5 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
AMESBURY	S103811846	HILLSIDE SUBSTATION	ALLENCLAIR DR	01913	SHWS, RELEASE
AMESBURY	S117552808	TOWN PARK	FRIEND STREET	01913	SHWS, RELEASE
AMESBURY	S112288399	MAIN STREET - EAST OF I-95 OVERPAS	MAIN ST	01913	SHWS, RELEASE
AMESBURY	S108962784	KEYSPAN ENERGY DELIVERY OF NEW ENG	WATER ST		SHWS, RELEASE, ENF
AMESBURY	S109029415	NO LOCATION AID	WATER ST	01913	SHWS, RELEASE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/29/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/29/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Site Transition List

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

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 34

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

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

LF PROFILES: Landfill Profiles Listing

This spreadsheet describes landfills that have actively accepted waste or have closed under MassDEP Solid Waste Regulations first adopted in 1971 (310 CMR 16.00 and 310 CMR 19.00). The list does not include landfills that closed before 1971 (and which never had a MassDEP permit or approval), or for which agency data is incomplete.

Date of Government Version: 07/01/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 12/14/2015
Number of Days to Update: 48

Source: Department of Environmental Protection
Telephone: 617-292-5868
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

SWF/LF: Solid Waste Facility Database/Transfer Stations

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/2018
Date Data Arrived at EDR: 07/05/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: 617-292-5989
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Listing

Sites within the Leaking Underground Storage Tank Listing that have a UST listed as its source.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 34

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Sites
Sites within the Releases Database that have a AST listed as its source.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 34
Source: Department of Environmental Protection
Telephone: 617-292-5500
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

UST: Summary Listing of all the Tanks Registered in the State of Massachusetts
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 05/02/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 21
Source: Department of Fire Services, Office of the Public Safety
Telephone: 617-556-1035
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Database
Registered Aboveground Storage Tanks.

Date of Government Version: 10/22/2009
Date Data Arrived at EDR: 10/28/2009
Date Made Active in Reports: 11/06/2009
Number of Days to Update: 9
Source: Department of Public Safety
Telephone: 617-556-1035
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

AST 2: Aboveground Storage Tanks
Aboveground storage tanks

Date of Government Version: 07/18/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 21
Source: Department of Fire Services
Telephone: 978-567-3181
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Sites With Activity and Use Limitation

Activity and Use Limitations establish limits and conditions on the future use of contaminated property, and therefore allow cleanups to be tailored to these uses.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 34

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS 2: Potential Brownfields Listing

A listing of potential brownfields site locations in the state.

Date of Government Version: 05/22/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 50

Source: Department of Environmental Protection
Telephone: 617-556-1007
Last EDR Contact: 05/04/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

BROWNFIELDS: Completed Brownfields Covenants Listing

Under Massachusetts law, M.G.L. c. 21E is the statute that governs the cleanup of releases of oil and/or hazardous material to the environment. The Brownfields Act of 1998 amended M.G.L. c. 21E by establishing significant liability relief and financial incentives to spur the redevelopment of brownfields, while ensuring that the Commonwealth's environmental standards are met. Most brownfields are redeveloped with the benefit of liability protections that operate automatically under M.G.L. c. 21E.

Date of Government Version: 04/05/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 10/10/2017
Number of Days to Update: 68

Source: Office of the Attorney General
Telephone: 617-963-2423
Last EDR Contact: 05/04/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/21/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Quarterly

Local Land Records

LIENS: Liens Information Listing

A listing of environmental liens.

Date of Government Version: 03/07/2018
Date Data Arrived at EDR: 03/09/2018
Date Made Active in Reports: 06/21/2018
Number of Days to Update: 104

Source: Department of Environmental Protection
Telephone: 617-292-5628
Last EDR Contact: 05/17/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

RELEASE: Reportable Releases

Contains information on all releases of oil and hazardous materials that have been reported to DEP

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 34

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

MA SPILLS: Historical Spill List

The Spills Database was the release notification tracking system for spills that occurred prior to October 1, 1993. This information should be considered to be primarily of historical interest since all of the listed spills have either been cleaned up or assigned new tracking numbers and moved to the Reportable Releases or Sites Transition List databases.

Date of Government Version: 09/30/1993
Date Data Arrived at EDR: 12/03/2003
Date Made Active in Reports: 12/31/2003
Number of Days to Update: 28

Source: Department of Environmental Protection
Telephone: 617-292-5720
Last EDR Contact: 12/03/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/08/2013
Number of Days to Update: 36

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 03/10/1998
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/05/2013
Number of Days to Update: 61

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/25/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/15/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/25/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/07/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/04/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/03/2018
Date Data Arrived at EDR: 04/05/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2018
Date Data Arrived at EDR: 04/16/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 87

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (617) 918-1111
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 02/25/2018
Date Data Arrived at EDR: 03/17/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 06/01/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 30

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/23/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Quarterly

AIRS: Permitted Facilities Listing
A listing of Air Quality permit applications.

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 59

Source: Department of Environmental Protection
Telephone: 617-292-5789
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing
Asbestos sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 14

Source: Department of Environmental Protection
Telephone: 617-292-5982
Last EDR Contact: 05/17/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

DRYCLEANERS: Regulated Drycleaning Facilities
A listing of Department of Environmental Protection regulated drycleaning facilities that use perchloroethylene under the Environmental Results Program.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 05/04/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: 617-292-5633
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

ENFORCEMENT: Enforcement Action Cases
A listing of enforcement action cases tracked by Department of Environmental Protection programs, including Solid Waste and Hazardous Waste.

Date of Government Version: 07/25/2018
Date Data Arrived at EDR: 07/27/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 18

Source: Department of Environmental Quality
Telephone: 617-292-5979
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/01/2010
Date Data Arrived at EDR: 12/23/2010
Date Made Active in Reports: 02/03/2011
Number of Days to Update: 42

Source: Department of Environmental Protection
Telephone: 617-292-5970
Last EDR Contact: 06/07/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for underground storage tanks. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/21/2011
Date Data Arrived at EDR: 10/25/2011
Date Made Active in Reports: 11/18/2011
Number of Days to Update: 24

Source: Office of State Fire Marshal
Telephone: 978-567-3100
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

Financial Assurance 3: Financial Assurance Information listing

Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 59

Source: Department of Environmental Protection
Telephone: 617-292-5970
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

GWDP: Ground Water Discharge Permits

The Ground Water Discharge Permits datalayer (formerly known as Groundwater Discharge Points) is a statewide point dataset containing approximate locations of permitted discharges to groundwater.

Date of Government Version: 01/18/2018
Date Data Arrived at EDR: 05/04/2018
Date Made Active in Reports: 05/23/2018
Number of Days to Update: 19

Source: MassGIS
Telephone: 617-556-1150
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

HW GEN: List of Massachusetts Hazardous Waste Generators

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

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 48

Source: Department of Environmental Protection
Telephone: 617-292-5500
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Semi-Annually

MERCURY: Mercury Product Recyling Drop-Off Locations Listing

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

Date of Government Version: 05/07/2018
Date Data Arrived at EDR: 05/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 31

Source: Department of Environmental Protection
Telephone: 617-292-5632
Last EDR Contact: 05/17/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

NPDES: NPDES Permit Listing

Listing of treatment plants in Massachusetts that hold permits to discharge to groundwater.

Date of Government Version: 02/12/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 54

Source: Department of Environmental Protection
Telephone: 508-767-2781
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 05/17/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 43

Source: Massachusetts Emergency Management Agency
Telephone: 508-820-2019
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

TSD: TSD Facility
List of Licensed Hazardous Waste Treatment, Storage Disposal Facilities (TSDFs) in Massachusetts.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/29/2018
Date Made Active in Reports: 08/14/2018
Number of Days to Update: 46

Source: Department of Environmental Protection
Telephone: 617-292-5580
Last EDR Contact: 06/25/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Massachusetts.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Massachusetts.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 36

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 04/30/2018
Date Data Arrived at EDR: 05/03/2018
Date Made Active in Reports: 06/07/2018
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/21/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 05/16/2018
Date Data Arrived at EDR: 05/23/2018
Date Made Active in Reports: 07/03/2018
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/11/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: MassDEP
Telephone: 617-292-5907

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

CASHMAN ELEMENTARY SCHOOL
193 LIONS MOUTH RD
AMESBURY, MA 01913

TARGET PROPERTY COORDINATES

Latitude (North):	42.857239 - 42° 51' 26.06''
Longitude (West):	70.948354 - 70° 56' 54.07''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	340818.9
UTM Y (Meters):	4746588.0
Elevation:	105 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5644860 NEWBURYPORT WEST, MA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

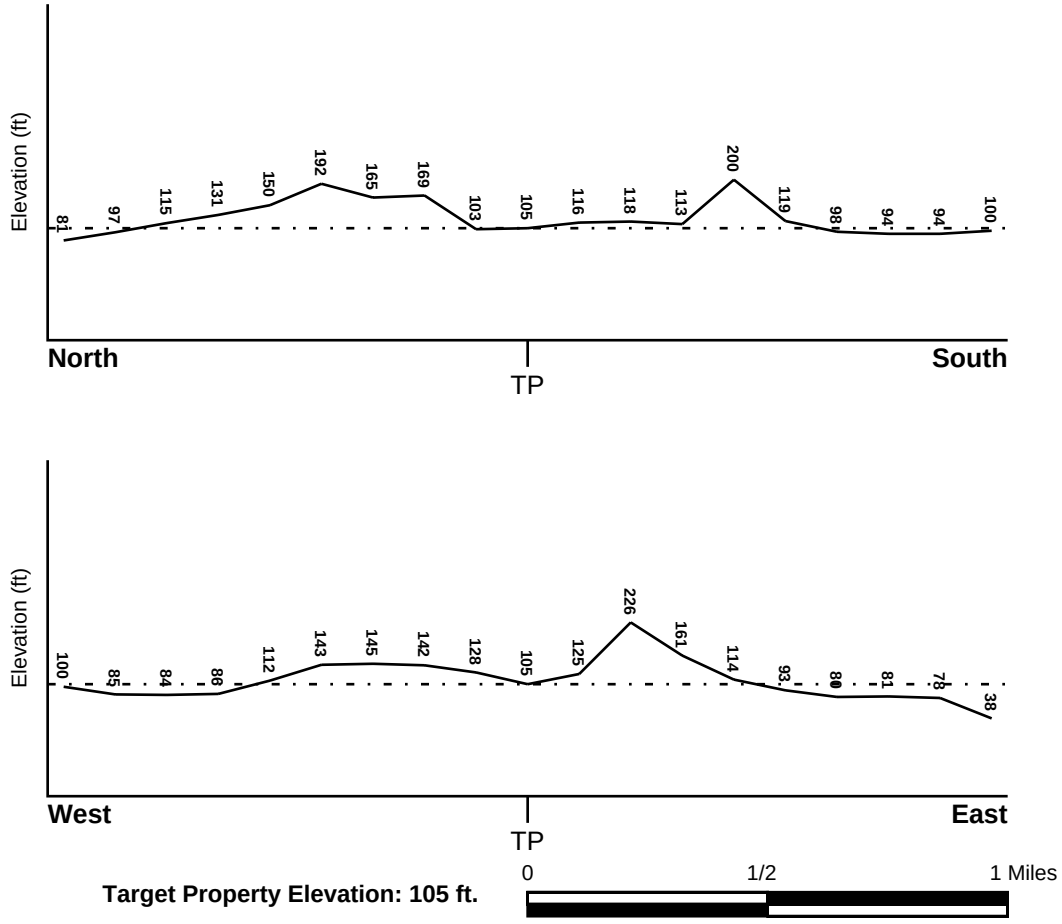
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
33015C0602E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
25009C0106F	FEMA FIRM Flood data
25009C0104F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NEWBURYPORT WEST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

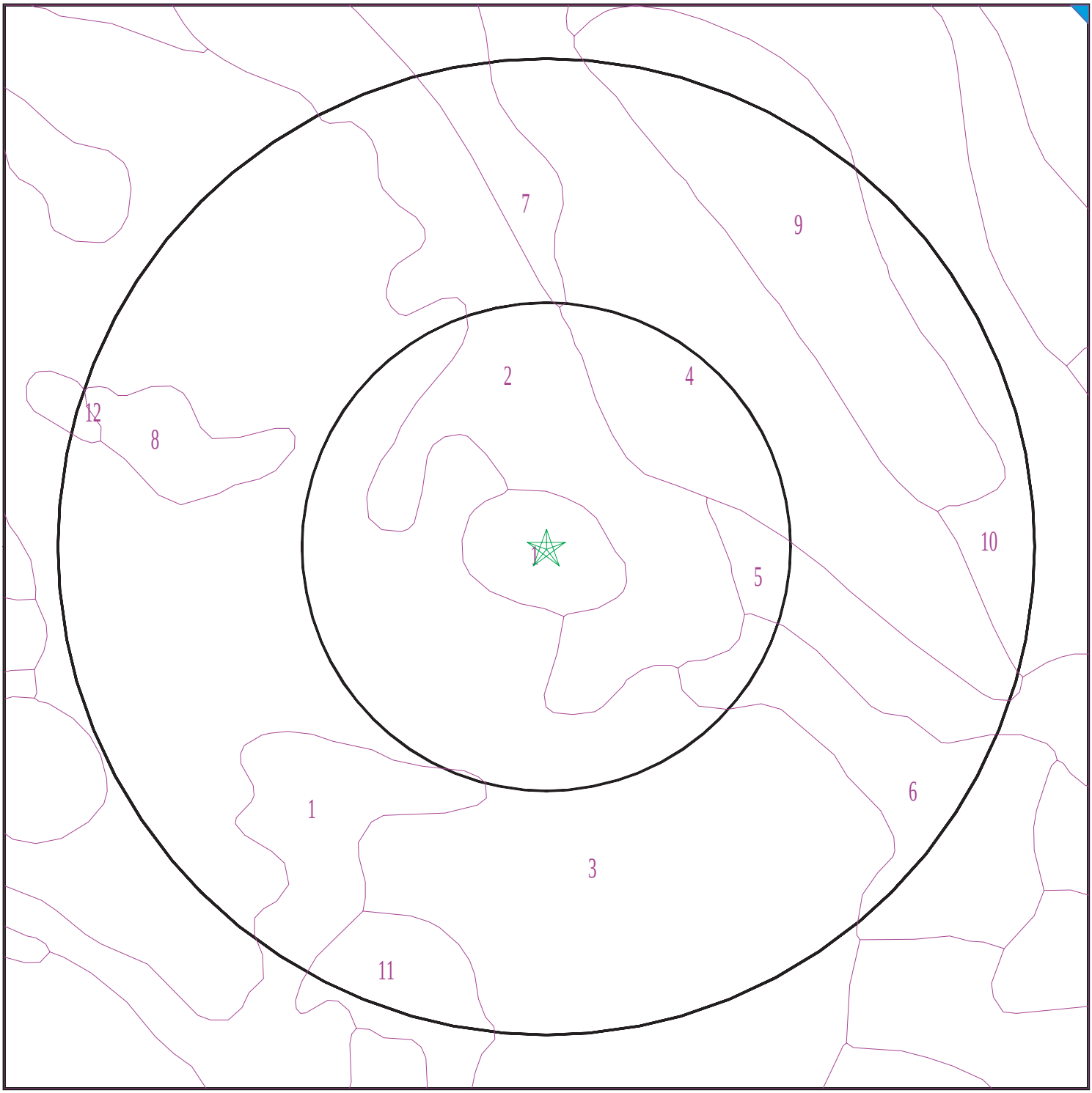
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5397483.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Cashman Elementary School	CLIENT:	ECMS, Inc.
ADDRESS:	193 Lions Mouth Rd Amesbury MA 01913	CONTACT:	Kevin Kavanaugh
		INQUIRY #:	5397483.2s
LAT/LONG:	42.857239 / 70.948354	DATE:	August 17, 2018 1:50 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Charlton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
2	3 inches	27 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
3	27 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Map ID: 2

Soil Component Name: Leicester

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 4.23	Max: 5.5 Min: 4.5
2	5 inches	27 inches	fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 4.23	Max: 5.5 Min: 4.5
3	27 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 4.23	Max: 5.5 Min: 4.5

Soil Map ID: 3

Soil Component Name: Charlton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 75 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	3 inches	27 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
3	27 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Map ID: 4

Soil Component Name: Paxton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5
2	3 inches	20 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5
3	20 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5

Soil Map ID: 5

Soil Component Name: Charlton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
2	3 inches	27 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
3	27 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Map ID: 6

Soil Component Name: Sutton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 75 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	9 inches	25 inches	fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5
3	25 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 4.23	Max: 6 Min: 4.5

Soil Map ID: 7

Soil Component Name: Woodbridge

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 68 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5
2	9 inches	25 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5
3	25 inches	59 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5

Soil Map ID: 8

Soil Component Name: Ridgebury

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6.5 Min: 4.5
2	9 inches	18 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6.5 Min: 4.5
3	18 inches	59 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6.5 Min: 4.5

Soil Map ID: 9

Soil Component Name: Paxton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5
2	5 inches	20 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	20 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5

Soil Map ID: 10

Soil Component Name: Paxton

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 68 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5
2	3 inches	20 inches	fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5
3	20 inches	59 inches	gravelly fine sandy loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: 6 Min: 4.5

Soil Map ID: 11

Soil Component Name: Sudbury

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 60 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6
2	3 inches	20 inches	sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6
3	20 inches	25 inches	loamy sand	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6
4	25 inches	59 inches	stratified gravel to sand	Not reported	Not reported	Max: 141.14 Min: 42.34	Max: 6 Min: 3.6

Soil Map ID: 12

Soil Component Name: Water

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000481020	1/4 - 1/2 Mile West
2	USGS40000481004	1/4 - 1/2 Mile SSE
3	USGS40000481050	1/2 - 1 Mile NNW
4	USGS40000481009	1/2 - 1 Mile WSW
5	USGS40000481025	1/2 - 1 Mile WNW
8	USGS40000480972	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

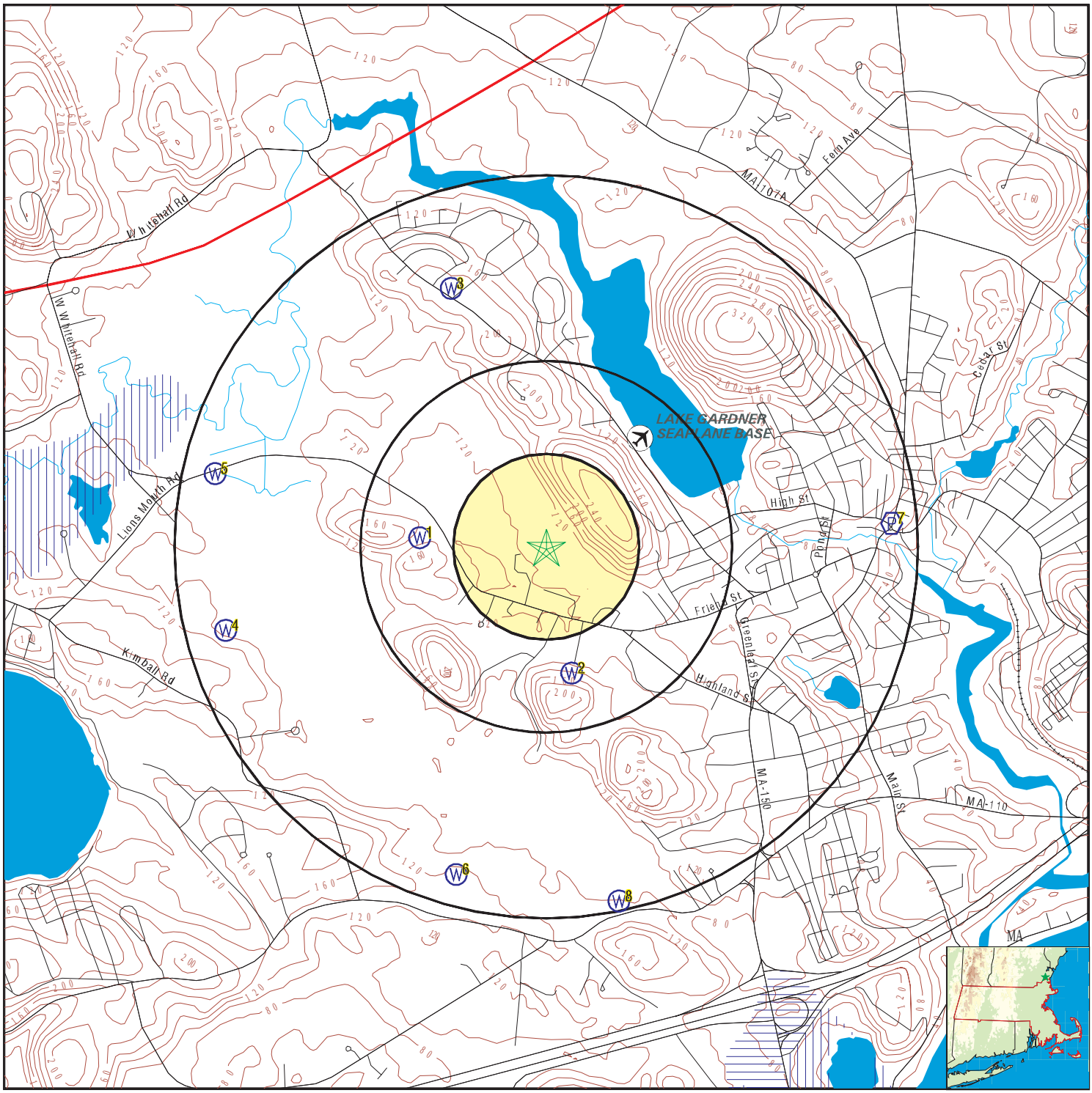
MAP ID	WELL ID	LOCATION FROM TP
7	MA3007004	1/2 - 1 Mile East

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
6	MA8000000001671	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 5397483.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- Potentially Productive Aquifers
- Not Potentially Productive Aquifers
- DEP Approved Zone IIs
- EPA Designated Sole Src. Aq.

SITE NAME:	Cashman Elementary School	CLIENT:	ECMS, Inc.
ADDRESS:	193 Lions Mouth Rd Amesbury MA 01913	CONTACT:	Kevin Kavanaugh
LAT/LONG:	42.857239 / 70.948354	INQUIRY #:	5397483.2s
		DATE:	August 17, 2018 1:50 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
West
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000481020**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHW 19	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1945
Well Depth:	165	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1963-06-01
Feet below surface:	22.00	Feet to sea level:	Not Reported
Note:	Not Reported		

2
SSE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000481004**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHW 18	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1920
Well Depth:	14	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1963-06-01
Feet below surface:	10.00	Feet to sea level:	Not Reported
Note:	Not Reported		

3
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000481050**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHW 181	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1960
Well Depth:	13	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1960-07-01
Feet below surface:	8.00	Feet to sea level:	Not Reported
Note:	Not Reported		

4
WSW **FED USGS** **USGS40000481009**
1/2 - 1 Mile
Lower

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHW 182	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1924
Well Depth:	61	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

5
WNW **FED USGS** **USGS40000481025**
1/2 - 1 Mile
Lower

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHA 10	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1963
Well Depth:	56	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1963-10-01
Feet below surface:	7.00	Feet to sea level:	Not Reported
Note:	Not Reported		

6
SSW **MA WELLS** **MA8000000001671**
1/2 - 1 Mile
Higher

Fid:	1670	Fac name:	MACLELLAN AMESBURY
Address:	91 HAVERHILL RD	Town:	AMESBURY
Region:	3	Rtn:	Not Reported
Hw id:	Not Reported	Sw id:	Not Reported
Sseis id:	0	Npdes id:	Not Reported
Air:	Not Reported	Gwd:	Not Reported
Hwr:	Not Reported	Lqg ma:	Not Reported
Lqg rcra:	Not Reported	Lqtu:	Y
Tsdf:	Not Reported	Swd:	Not Reported
Fac id:	387676	Source id:	Not Reported
Site name:	Not Reported	Latitude:	0
Longitude:	0	Type:	Not Reported

Zii num:	0	Pws id:	Not Reported
Site id:	MA8000000001671		
Objectid:	806	L base:	DOQ
L acc est:	100	L type:	CF
L meth:	PHO	L src 1:	AP_PC
L src 2:	AP_DOQ	L src 3:	Not Reported
Point x:	244706.37664507	Point y:	955014.72438745
Ustid:	0.	L date:	21-NOV-06
L src 1 da:	Not Reported	L src 2 da:	Not Reported
L src 3 da:	Not Reported	Fac id:	387676.

7
East **FRDS PWS** **MA3007004**
1/2 - 1 Mile
Lower

Epa region:	01	State:	MA
Pwsid:	MA3007004	Pwsname:	CAMP KENT
Cityserved:	Not Reported	Stateserved:	MA
Zipserved:	Not Reported	Fipscounty:	25009
Status:	Closed	Retpopsrvd:	25
Pwssvcconn:	1	Psource longname:	Groundwater
Pwstype:	TNCWS	Owner:	Private
Contact:	CAMP KENT	Contactorgname:	Not Reported
Contactphone:	Not Reported	Contactaddress1:	SOUTHAMPTON RD
Contactaddress2:	Not Reported	Contactcity:	AMESBURY
Contactstate:	MA	Contactzip:	019130000
Pwsactivitycode:	I		
PWS ID:	MA3007004	PWS type:	Mailing
PWS name:	CAMP KENT	PWS address:	SOUTHAMPTON ROAD
PWS city:	AMESBURY	PWS state:	MA
PWS zip:	01913	PWS ID:	MA3007004
Activity status:	Active	Date system activated:	9304
Date system deactivated:	Not Reported	Retail population:	00000025
System name:	CAMP KENT	System address:	SOUTHAMPTON ROAD
System city:	AMESBURY	System state:	MA
System zip:	01913		
Population served:	Under 101 Persons	Treatment:	Untreated
Latitude:	425129	Longitude:	0705550

8
SSE **FED USGS** **USGS40000480972**
1/2 - 1 Mile
Lower

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-AHW 29	Type:	Well
Description:	Not Reported	HUC:	01070002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	1958
Well Depth:	28	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground water levels,Number of Measurements:	1	Level reading date:	1958-04-01
Feet below surface:	2.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: MA Radon

Radon Test Results

County	% of sites>4 pCi/L	Median
ESSEX	36	2.8

Federal EPA Radon Zone for ESSEX County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 01913

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.200 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.900 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: MassDEP
Telephone: 617-292-5907

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Massachusetts Geographic Information System (MassGIS) Datalayers
Source: Executive Office of Environmental Affairs

Public Water Supply Database: The Public Water Supply datalayer contains the locations of public community surface and groundwater supply sources and public non-community supply sources as defined in 310 CMR 22.00.

OTHER STATE DATABASE INFORMATION

Areas of Critical Environmental Concern Datalayer: The Areas of Critical Environmental Concern (ACEC) datalayer shows the location of areas that have been designated ACECs by the Secretary of Environmental Affairs. ACEC designation requires greater environmental review of certain kinds of proposed development under state jurisdiction within the ACEC boundaries. The ACEC Program is administered by the Department of Environmental Management (DEM) on behalf of the Secretary of Environmental Affairs. The Massachusetts Coastal Zone Management (MCZM) Office managed the original Coastal ACEC Program from 1978 to 1993, and continues to play a key role in monitoring coastal ACECs. Procedures for ACEC designation and the general policies governing the effects of designation are contained in the ACEC regulations (301 CMR 12.00). The ACEC datalayer has been compiled by MCZM and DEM and includes both coastal and inland areas.

EPA Designated Sole Source Aquifers Datalayer: The Sole Source Aquifer datalayer was compiled by the Department of Environmental Protection (DEP) Division of Water Supply (DWS). Seven Sole Source Aquifers have been designated by the US Environmental Protection Agency (EPA) for Massachusetts. A Sole Source Aquifer (SSA) is an aquifer designated by US EPA as the sole or principal source of drinking water for a given aquifer service area; that is, an aquifer which is needed to supply 50% or more of the drinking water for that area and for which there are no reasonably available alternative sources should that aquifer become contaminated. The aquifers were defined by a EPA hydrogeologist.

Aquifers Datalayer: MassGIS produced an aquifer datalayer composed of 20 individual panels, generally based on the boundaries of the major drainage basins. Areas of high and medium yield were mapped. This datalayer includes polygon attribute coding to help in the identification of areas in which cleanup of hazardous waste sites must meet drinking water standards, as defined in the Massachusetts Contingency Plan (MCP) (310 CMR 40.00000).

Non-Potential Drinking Water Source Areas: Non-Potential Drinking Water Source Areas (NPDWSA) are regulatory in nature, representing one of many considerations used in determining the standards to which ground water must be cleaned in the event of a release of oil or hazardous material. NPDWSAs are not based on existing water quality and do not indicate poor ambient conditions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

DEP Approved Zone IIs Datalayer: The Department of Environmental Protection (DEP) approved Zone IIs datalayer was compiled by the DEP Division of Water Supply (DWS). The database contains 281 approved Zone IIs statewide. As stated in 310 CMR 22.02, a Zone II is "that area of an aquifer which contributes water to a well under the most severe pumping and recharge conditions that can be realistically anticipated (180 days of pumping at safe yield, with no recharge from precipitation.) It is bounded by the groundwater divides which result from pumping the well and by the contact of the aquifer with less permeable materials such as till or bedrock. In some cases, streams or lakes may act as recharge boundaries. In all cases, Zone IIs shall extend up gradient to its point of intersection with prevailing hydrogeologic boundaries (a groundwater flow divide, a contact with till or bedrock, or a recharge boundary)." These data are used in association with the Public Water Supplies datalayer. The following describes certain unique features of this association.

- Any proposed new well which will pump at least 100,000 gallons per day must have a Zone II delineation completed and approved by DEP prior to the well coming on line.
- Additionally, a new source may not be on-line yet, but other, older wells may fall within its Zone II boundary.
- Further, existing wells must have a Zone II delineated as a condition of receiving a water withdrawal permit under the Water Management Act.

RADON

State Database: MA Radon
Source: Department of Health
Telephone: 413-586-7525
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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APPENDIX F

AMESBURY FIRE DEPARTMENT AND AMESBURY BOARD OF HEALTH FIOA LETTERS

Environmental &Construction Management Services, Inc.

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

August 16, 2015

Deputy Fire Chief James Nolan
Fire Prevention Office
17 School Street
Amesbury, Massachusetts 01913

RE: Records Review
Amesbury Elementary School and Cashman Elementary School
Amesbury, Massachusetts
***ECMS* Project 1009.073**

Dear Deputy Chief Nolan:

Environmental & Construction Management Services, Inc. (*ECMS*) is currently working for the *City of Amesbury* and its architect *DiNisco Design* with respect to potential two (2) potential sites on which to build a new school.

We would like to request a records review for the Amesbury Elementary School at 20 South Hampton Road and Cashman Elementary School at 193 Lions Mouth Road properties.

Please let me know if a fee is associated with this request, as I will be performing site inspections at both schools on Tuesday August 21st and can drop off a payment and pick up any documentation available.

If you have any questions, please contact me at (617) 338-2121 Ext. 2 (office) or (617) 925-2121 (mobile).

Sincerely,

For ***Environmental & Construction Management Services, Inc.*** by,

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

Environmental &Construction Management Services, Inc.

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

August 16, 2015

John Morris
Amesbury Health Department
9 School Street
Amesbury, Massachusetts 01913

RE: Records Review
Amesbury Elementary School and Cashman Elementary School
Amesbury, Massachusetts
***ECMS* Project 1009.073**

Dear Mr. Morris:

Environmental & Construction Management Services, Inc. (*ECMS*) is currently working for the *City of Amesbury* and its architect *DiNisco Design* with respect to potential two (2) potential sites on which to build a new school.

We would like to request a records review for the Amesbury Elementary School at 20 South Hampton Road and Cashman Elementary School at 193 Lions Mouth Road properties.

Please let me know if a fee is associated with this request, as I will be performing site inspections at both schools on Tuesday August 21st and can drop off a payment and pick up any documentation available.

If you have any questions, please contact me at (617) 338-2121 Ext. 2 (office) or (617) 925-2121 (mobile).

Sincerely,

For ***Environmental & Construction Management Services, Inc.*** by,

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

APPENDIX G

ENVIRONMENTAL DATA RESOURCES, INC. (EDR) VAPOR ENCROACHMENT REPORT DATED SEPTEMBER 11, 2018

Cashman Elementary School
193 Lions Mouth Rd
Amesbury, MA 01913

Inquiry Number: 5397483.2s
September 11, 2018

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Record Sources and Currency	**GR-1**

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	property	0	-	-
State- and tribal - equivalent NPL	not searched	-	-	-
State- and tribal - equivalent CERCLIS	1.0	0	0	0
State and tribal landfill and/or solid waste disposal site lists	0.5	0	0	0
State and tribal leaking storage tank lists	0.5	0	0	0
State and tribal registered storage tank lists	0.25	0	0	0
State and tribal institutional control / engineering control registries	0.5	0	0	0
State and tribal voluntary cleanup sites	0.5	0	0	0
State and tribal Brownfields sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	property	0	-	-
Local Lists of Registered Storage Tanks	not searched	-	-	-
Local Land Records	property	0	-	-
Records of Emergency Release Reports	property	0	-	-
Other Ascertainable Records	1.0	0	0	0

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

CASHMAN ELEMENTARY SCHOOL
193 LIONS MOUTH RD
AMESBURY, MA 01913

COORDINATES

Latitude (North):	42.857239 - 42° 51′ 26.05957″
Longitude (West):	70.948354 - 70° 56′ 54.083862″
Elevation:	105 ft. above sea level

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

Not Reported

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

Not Reported

EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

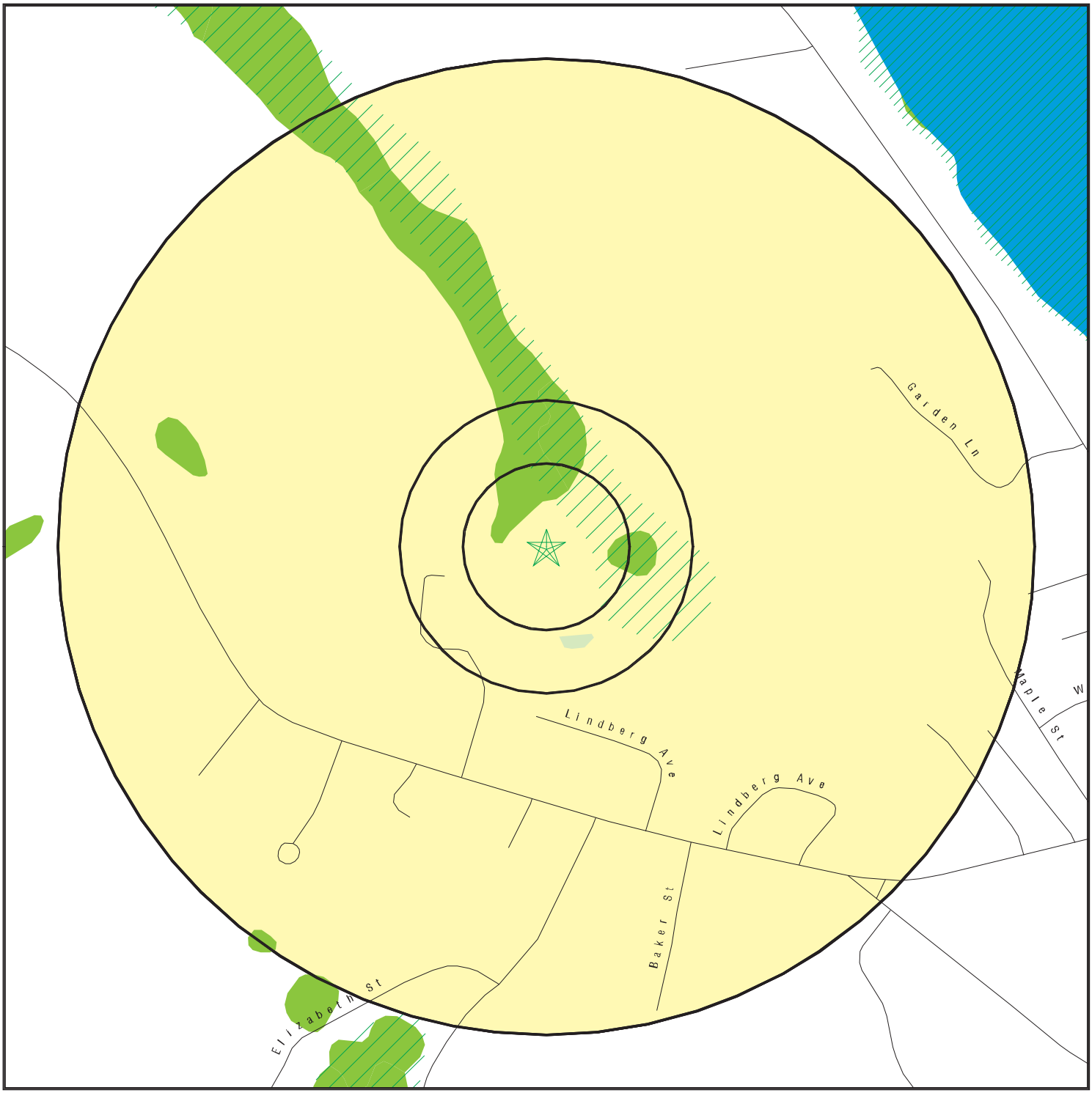
Not Reported

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page

Not Reported

PRIMARY MAP - 5397483.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Cashman Elementary School ADDRESS: 193 Lions Mouth Rd Amesbury MA 01913 LAT/LONG: 42.857239 / 70.948354	CLIENT: ECMS, Inc. CONTACT: Kevin Kavanaugh INQUIRY #: 5397483.2s DATE: August 17, 2018 1:48 pm

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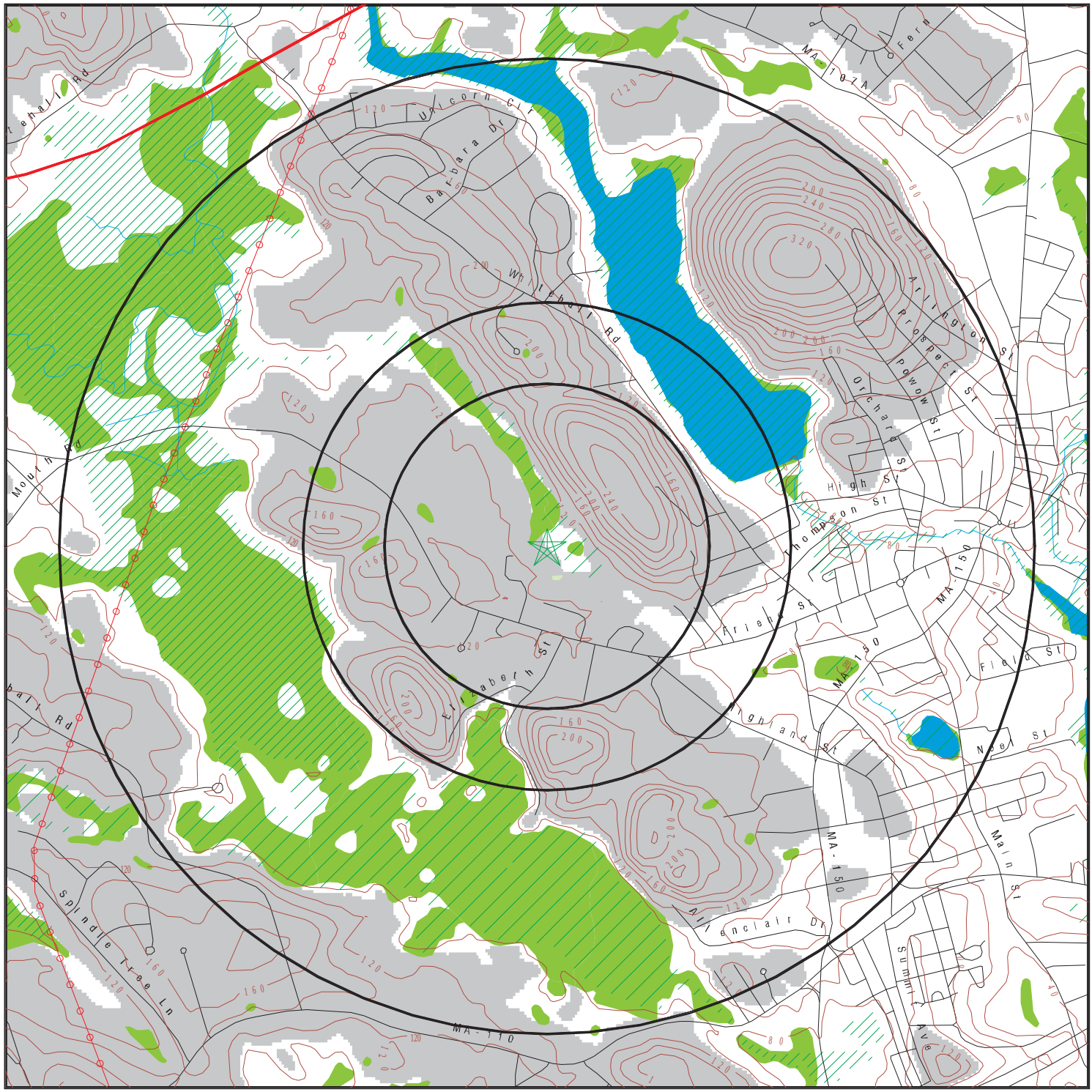
SECONDARY MAP - 5397483.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 1/3 1/2 1 Miles

- Indian Reservations BIA
- County Boundary
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Cashman Elementary School ADDRESS: 193 Lions Mouth Rd Amesbury MA 01913 LAT/LONG: 42.857239 / 70.948354	CLIENT: ECMS, Inc. CONTACT: Kevin Kavanaugh INQUIRY #: 5397483.2s DATE: August 17, 2018 1:46 pm

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MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**			EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range Relative Elevation	(Distance feet / miles) Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:

Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	05/13/2018	05/30/2018	06/22/2018
US	Proposed NPL	Proposed National Priority List Sites	EPA	05/13/2018	05/30/2018	06/22/2018
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	05/18/2018	05/30/2018	06/22/2018
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	03/01/2018	03/28/2018	06/22/2018
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	05/14/2018	05/18/2018	07/20/2018
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2018	02/27/2018	05/11/2018
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	02/13/2018	02/27/2018	05/11/2018
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/19/2018	03/27/2018	06/08/2018
State and tribal - equivalent CERCLIS						
MA	SHWS	Site Transition List	Department of Environmental Protection	04/18/2018	07/11/2018	08/14/2018
State and tribal landfill / solid waste disposal						
MA	SWF/LF	Solid Waste Facility Database/Transfer Stations	Department of Environmental Protection	05/01/2018	07/05/2018	08/14/2018
MA	LF PROFILES	Landfill Profiles Listing	Department of Environmental Protection	07/01/2015	10/27/2015	12/14/2015
State and tribal leaking storage tank lists						
MA	LAST	Leaking Aboveground Storage Tank Sites	Department of Environmental Protection	04/18/2018	07/11/2018	08/14/2018
MA	LUST	Leaking Underground Storage Tank Listing	Department of Environmental Protection	04/18/2018	07/11/2018	08/14/2018
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/24/2018	05/18/2018	07/20/2018
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/25/2018	05/18/2018	07/20/2018
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/13/2018	05/18/2018	07/20/2018
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/12/2018	05/18/2018	07/20/2018
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/12/2018	05/18/2018	07/20/2018
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/01/2018	05/18/2018	07/20/2018
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	05/08/2018	05/18/2018	07/20/2018

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/10/2018	05/18/2018	07/20/2018
State and tribal registered storage tank lists						
MA	UST	Summary Listing of all the Tanks Registered in the State of	Department of Fire Services, Office of the Pu	04/18/2018	05/02/2018	05/23/2018
MA	AST 2	Aboveground Storage Tanks	Department of Fire Services	07/18/2018	07/24/2018	08/14/2018
MA	AST	Aboveground Storage Tank Database	Department of Public Safety	10/22/2009	10/28/2009	11/06/2009
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/12/2018	05/18/2018	07/20/2018
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/01/2018	05/18/2018	07/20/2018
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/24/2018	05/18/2018	07/20/2018
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	05/08/2018	05/18/2018	07/20/2018
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/12/2018	05/18/2018	07/20/2018
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/25/2018	05/18/2018	07/20/2018
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/10/2018	05/18/2018	07/20/2018
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/13/2018	05/18/2018	07/20/2018
US	FEMA UST	Underground Storage Tank Listing	FEMA	05/15/2017	05/30/2017	10/13/2017
State and tribal institutional control / engineering control registries						
MA	INST CONTROL	Sites With Activity and Use Limitation	Department of Environmental Protection	04/18/2018	07/11/2018	08/14/2018
State and tribal voluntary cleanup sites						
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
State and tribal Brownfields sites						
MA	BROWNFIELDS 2	Potential Brownfields Listing	Department of Environmental Protection	05/22/2017	08/03/2017	09/22/2017
MA	BROWNFIELDS	Completed Brownfields Covenants Listing	Office of the Attorney General	04/05/2017	08/03/2017	10/10/2017
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	03/31/2018	04/16/2018	06/29/2018
US	ROD	Records Of Decision	EPA	05/13/2018	05/30/2018	06/29/2018
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	05/13/2018	05/30/2018	06/29/2018
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	05/24/2017	11/30/2017	12/15/2017
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	12/23/2016	12/27/2016	02/17/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/01/2018	03/27/2018	06/22/2018
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	02/22/2018	03/01/2018	05/11/2018
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	05/13/2018	05/30/2018	06/29/2018
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	Delisted NPL	National Priority List Deletions	EPA	05/13/2018	05/30/2018	06/22/2018
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	05/18/2018	05/30/2018	06/22/2018

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	03/26/2018	03/27/2018	06/08/2018
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	02/22/2018	03/01/2018	05/11/2018
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	03/19/2018	03/21/2018	06/08/2018
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	10/13/2015
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	06/23/2017	10/11/2017	11/03/2017
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	05/03/2018	05/31/2018	06/29/2018
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	10/25/2013	10/17/2014	10/20/2014
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2016	01/10/2018	01/12/2018
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	06/01/2017	06/09/2017	10/13/2017
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/30/2016	09/08/2016	10/21/2016
US	RADINFO	Radiation Information Database	Environmental Protection Agency	04/03/2018	04/05/2018	06/29/2018
US	FINDS	Facility Index System/Facility Registry System	EPA	02/21/2018	02/23/2018	03/23/2018
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	11/02/2017	11/17/2017	12/08/2017
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
MA	AIRS	Permitted Facilities Listing	Department of Environmental Protection	04/13/2018	04/17/2018	06/15/2018
MA	ASBESTOS	Asbestos Notification Listing	Department of Environmental Protection	06/11/2018	06/15/2018	06/29/2018
MA	DRYCLEANERS	Regulated Drycleaning Facilities	Department of Environmental Protection	04/18/2018	05/04/2018	05/23/2018
MA	ENFORCEMENT	Enforcement Action Cases	Department of Environmental Quality	07/25/2018	07/27/2018	08/14/2018
MA	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Protection	12/01/2010	12/23/2010	02/03/2011
MA	Financial Assurance 2	Financial Assurance Information Listing	Office of State Fire Marshal	10/21/2011	10/25/2011	11/18/2011
MA	Financial Assurance 3	Financial Assurance Information listing	Department of Environmental Protection	01/16/2018	04/17/2018	06/15/2018
MA	GWDP	Ground Water Discharge Permits	MassGIS	01/18/2018	05/04/2018	05/23/2018
MA	HW GEN	List of Massachusetts Hazardous Waste Generators	Department of Environmental Protection	06/04/2018	06/27/2018	08/14/2018
MA	LIENS	Liens Information Listing	Department of Environmental Protection	03/07/2018	03/09/2018	06/21/2018
MA	MA SPILLS	Historical Spill List	Department of Environmental Protection	09/30/1993	12/03/2003	12/31/2003
MA	MERCURY	Mercury Product Recyling Drop-Off Locations Listing	Department of Environmental Protection	05/07/2018	05/25/2018	06/25/2018
MA	NPDES	NPDES Permit Listing	Department of Environmental Protection	02/12/2018	02/14/2018	04/09/2018
MA	RELEASE	Reportable Releases	Department of Environmental Protection	04/18/2018	07/11/2018	08/14/2018
MA	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	03/10/1998	01/03/2013	03/05/2013

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
MA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	12/11/2012	01/03/2013	02/08/2013
MA	TIER 2	Tier 2 Information Listing	Massachusetts Emergency Management Agency	12/31/2017	05/17/2018	06/29/2018
MA	TSD	TSD Facility	Department of Environmental Protection	06/04/2018	06/29/2018	08/14/2018
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	02/25/2018	03/17/2018	06/08/2018
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/20/2018	02/21/2018	03/23/2018
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	01/04/2018	01/19/2018	04/13/2018
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/30/2016	10/31/2017	01/12/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/08/2018	03/13/2018	06/08/2018

HISTORICAL USE RECORDS

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
MA	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Protection		07/01/2013	12/24/2013
MA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environmental Protection		07/01/2013	12/24/2013

STREET AND ADDRESS INFORMATION

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APPENDIX H

SITE PHOTOGRAPHS

Cashman Elementary School -193 Lions Mouth Road in Amesbury, Massachusetts

Photo 1 – View of side of front from entrance



Photo 2 – View from front of school entrance



Environmental & Construction Management Services, Inc.

Photo 3 – Elevator room with hydraulics



Photo 4 – Elevator.



Photo 5 – View of typical classroom.

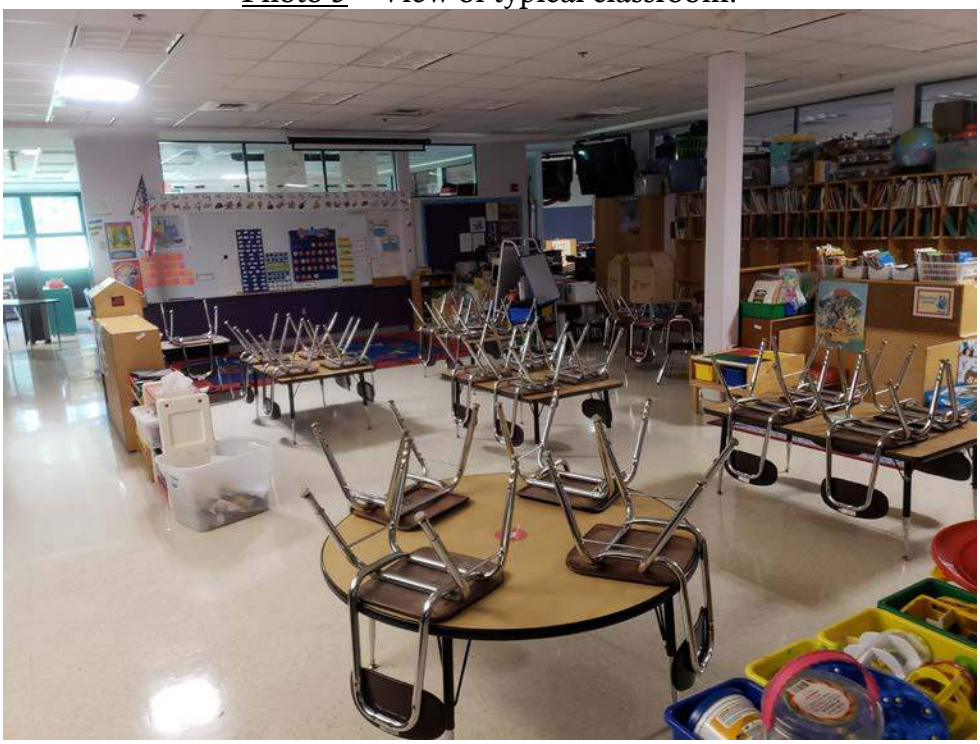


Photo 6 – View of typical janitorial closet.



Cashman Elementary School -193 Lions Mouth Road in Amesbury, Massachusetts

Photo 7 – Interior wheel chair lift.



Photo 8 – View of kitchen area



Photo 9 – View of loading dock area.

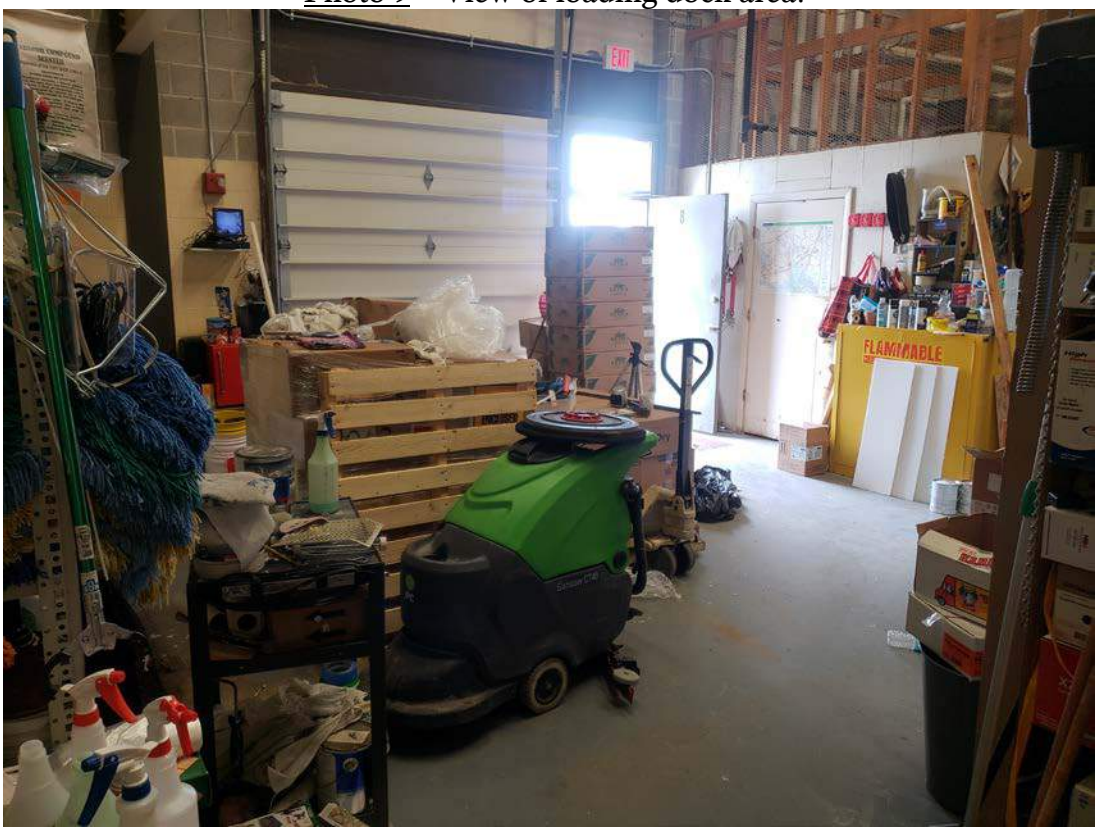


Photo 10 – View of natural gas fired boiler units.



Photo 13 – View of loading dock area.

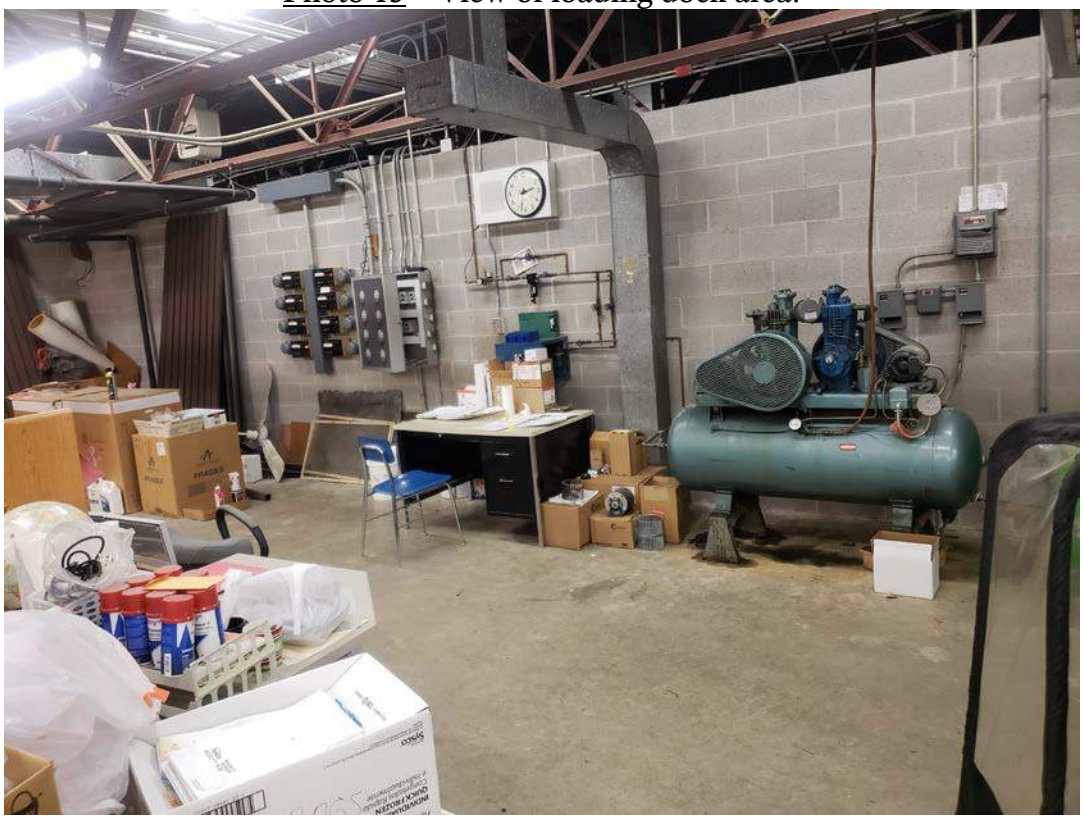


Photo 14 – View of energy efficiency electrical panel.



Cashman Elementary School -193 Lions Mouth Road in Amesbury, Massachusetts

Photo 15 – View of electrical room.



Photo 16 – View of roof-stop HVAC unit.



Environmental & Construction Management Services, Inc.

Cashman Elementary School -193 Lions Mouth Road in Amesbury, Massachusetts

Photo 17 – View of diesel fuel fired emergency generator.



Photo 18 – Another view of transformer unit.



Cashman Elementary School -193 Lions Mouth Road in Amesbury, Massachusetts

Photo 19 – View of athletic fields



Photo 20 – View of solid waste dumpster.



Cashman Elementary School -193 Lions Mouth Road in Amesbury, Massachusetts

Photo 21 – View of sewer pump station.



Photo 22 – View of natural gas line into building.



PART 5: SITE DEVELOPMENT REQUIREMENTS

INTRODUCTION

Five sites were studied as part of this project. Three sites, Woodsom Farm, Amesbury High School, and the Amesbury Chair site have been removed from consideration.

The Woodsom Farm site is currently 300 Acres of open space land that received substantial opposition from the community. Based on the feedback from the community, the city opted to remove this site as a possible location for the new school.

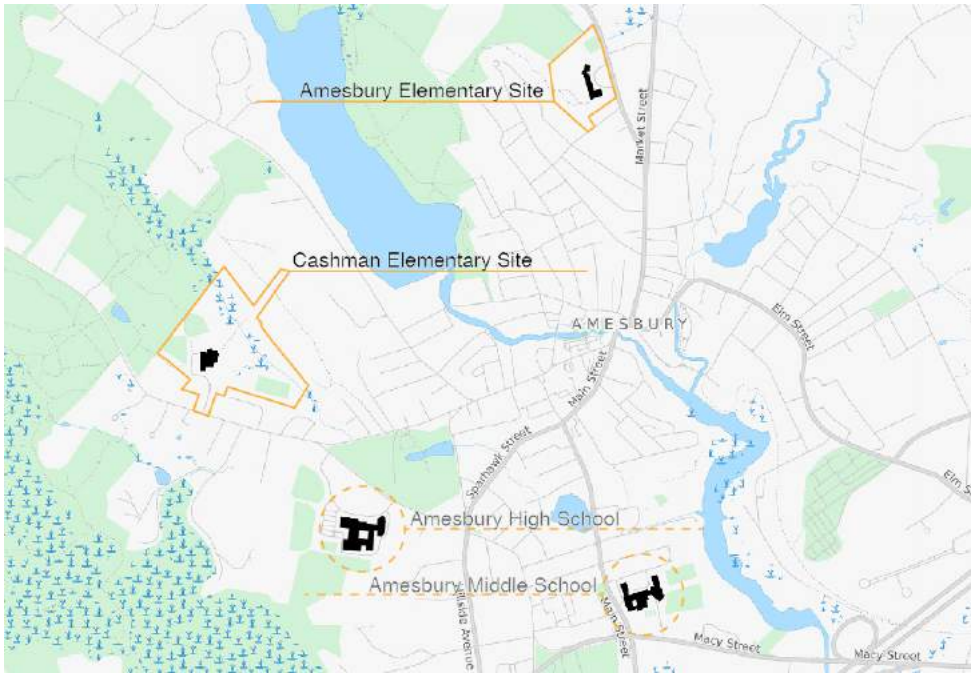
The Amesbury High School site has some open space and was reviewed as an option. The preliminary review of the site found that the majority of the unused portion of the site is heavily wooded and steeply sloping hills. The remaining area where the school could be placed is currently used as athletic fields. For this reason, along with the fact that getting appropriate parking and drives to the new elementary school would affect other existing athletic fields at the High School, this site was removed as an option.

The Amesbury Chair site is a privately-owned site near the current Amesbury Elementary School site. This site was preliminarily reviewed but found that the extent of wetlands made the site inaccessible and did not allow for adequate buildable area for a school. In addition, the site was heavily wooded and contained substantial ledge that may have impacted the schedule and cost.

The two sites remaining under consideration as part of this study are:

- Amesbury Elementary School Site (AES)
- Cashman Elementary School Site (CES)

Both sites under consideration are currently owned by the City of Amesbury and controlled by Amesbury Public Schools. The two sites are approximately 1.5 miles apart. Municipal water, natural gas, electrical power, and sanitary sewers are available at both sites.



Environmental studies have been performed on both the AES and CES sites. The full reports are located in PART 4: EVALUATION OF EXISTING CONDITIONS. Observations from the traffic report encompassing both sites are included under *Site Access and Accessibility* with the full report located in PART 4: EVALUATION OF EXISTING CONDITIONS.

SUMMARY CHART OF TWO SITES UNDER CONSIDERATION

The following chart compares basic site features of each site for quick comparison. Detailed information for each site to follow.

	Amesbury Elementary School	Cashman School
Existing School	✓	✓
City Ownership	✓	✓
Acreage	17 Ac.	36 Ac.
Usable Acreage	2.7*+ Ac.	12.3 Ac.
Zoning	Open Space Conservancy	Open Space Conservancy
Zoning Variances	Required for setbacks, stories, and overall height	Required for stories, and overall height
Utilities	Available	Available
Wetlands	Extensive, Variances required	Exist on-site, Variances may be required

*Zoning and Wetland Variances required for this acreage.
+Existing building footprint included in this acreage.

AMESBURY ELEMENTARY SCHOOL SITE



STRUCTURES AND FENCES

There is chain link fencing (CLF), in fair condition, around the play areas nearest the southern driveway. In addition, there is a fence around the raised garden beds. Multiple styles of fencing are used in this area. The CLF baseball backstop to the north of the property is in fair condition.

Three storage sheds are located near the raised garden beds and another shed is located near the play areas. Sheds are in fair condition and may be able to be relocated.

Six portable classrooms are situated on the west side of the school and are connected to the school via a connector building which houses the Art and Engineering rooms.

Four bike racks are located on the southern side of the building. Three are of the same style, one is different. All the racks are adjacent to a chain link fencing reducing their capacity by half.

SITE ACCESS AND CIRCULATION

Amesbury Elementary School is located at 20 South Hampton Road, 0.7 of a mile north from the center of town. All vehicles enter the site from the north driveway.

Bus drop-off: Buses queue along the drive aisle closest to the building and drop off students at the Main Entrance. The school is serviced by 5 full-size school buses and 4 school vans.

Parent drop-off: Parent drop off occurs along the southern driveway. Parents queue in the western drive aisle to avoid the buses. In the afternoon, after the buses depart, parents' queue along the drive aisle closest to the school. Some parents park and walk their children inside. All students enter the building through the main entrance.

Walkers: Very few students walk to and from school. All students enter the building through the main entrance. Students are dismissed from doors on all sides of the building.

Public sidewalks connect the school to the neighborhood. There is a crosswalk at the south driveway allowing pedestrian crossing onto the site from the east side of South Hampton Road. Pedestrian paving materials within the site are bituminous paving in poor condition.

Existing Service access is on the South side of the Amesbury Elementary School, accessible off the main driveway.

PARKING AND PAVING

There are approximately (90) striped parking spaces located in the parking lot including (2) accessible parking spaces. Four (4) accessible parking spaces are required with (1) of the spaces required to be van accessible and signed as such.

CODE REQUIREMENTS

The main entrance of the existing school is accessible, but others are not. The high groundwater of this site will require the site to be built up where new construction is placed. This will make meeting the requirements of MAAB challenging, but we anticipate that we will be able to achieve a design that meets the requirements.

TOPOGRAPHY

On the west of the school is a steep slope, with heavy wooden vegetation. There is approximately 150' of grade change. The northern section of the site is fairly flat, but predominantly wetlands.

ZONING SETBACKS AND LIMITATIONS

Amesbury Elementary School site resides within the OSC (Open Space Conservancy) zone. Building setbacks are 100-foot front, 50-foot side and 50-foot rear. The height limit is 30 feet and 2½ stories. In addition, 80% of the site must remain as open space. Building on this site will require variances to the front setback, and stories and height limit.

ACCESSIBILITY REQUIREMENTS

Amesbury Elementary School has not been updated to meet the current ADA/MAAB standards and as such, there are few accessible walks around the building. Those that could be accessible do not have curb cuts that meet the current standards. Although the main entrance to the building is accessible, there are many doorways to the building, classrooms, and other spaces that are not accessible. There is no elevator in the building so the entire second floor is inaccessible.

In addition, the school lacks any accessible toilet facilities.

EASEMENTS

There are no known easements on the Amesbury Elementary School site.

WETLANDS / FLOOD RESTRICTIONS

The site has substantial wetlands on the north side of the property. Wetlands are also located on the west side of the property partway up the slope. In addition, the entire site has a high groundwater level.

An ANRAD was filed on July 16, 2018. In accordance with the Amesbury Conservation Commission policies, a peer review was performed on August 31, 2018. The Amesbury Conservation Commission accepted the peer review wetland delineation shown in the survey dated September 9, 2018. The ANRAD, Peer Review Report, and approved survey is included in PART 4: EVALUATION OF EXISTING CONDITIONS.

EMERGENCY VEHICLE ACCESS

Currently, emergency access is limited around the building. There is paved access for the front, eastern face of the building, and partially on the southern side. The western and northern side of the building are not accessible for vehicles.

SAFETY AND SECURITY REQUIREMENTS

Amesbury Elementary School is located within a densely settled residential neighborhood. The proximity of the building and all supporting traffic and recreational features will be planned with the School Department and the abutting neighbors to ensure safe and viable access and operation of the facility and the neighborhood.

FACILITY SERVICE

Service for the existing Amesbury Elementary School is on the south side of the building between two playgrounds. The location requires trucks to use the main driveway and causes traffic issues should a truck arrive during drop off and pick up times.

UTILITIES

Water, storm drainage, natural gas, electrical power, and sanitary sewers are presently available on the AES site.

The building is under the jurisdiction of the City of Amesbury and its ordinances. Water and sewer are supplied by the City of Amesbury. Natural gas and electrical services are supplied by National Grid USA.

The current facility does not have a fire protection system. A hydrant flow test will be conducted to confirm a fire pump room will not be required should this be chosen as the preferred site.

ATHLETIC FIELDS / OUTDOOR EDUCATIONAL SPACES

There is a large playground area located behind the school to the south of the building. In addition, there are two additional smaller playgrounds in front of the building to the northeast and southeast of the building.

The playgrounds are lined with timber (railroad ties) edging and wood fiber mulch. All playground contains timber and plastic play equipment. The northeast playground is equipped with “fitness” specific equipment.

The play equipment will need to be evaluated to determine whether or not it meets current playground standards.

There is a baseball field on the northeastern quadrant of the site. The baseball infield is in fair condition, as is the backstop. Part of the infield and most of the outfield in located within the wetlands or wetland buffer zones.

SITE ORIENTATION, LOCATION CONSIDERATIONS

While maximizing North/South orientation of the classrooms is ideal to provide and control natural daylighting of classrooms, the site limitations restrict an ideal orientation. The wetlands to the north, the existing school structure to the west, and the road to the east limits the amount of buildable area within the site for a new structure if the existing school building is to remain in operation during construction. These limitations will likely require the classrooms to be orientated in the east/west direction.

ENVIRONMENTAL STUDIES

A Phase 1 Environmental Site Assessment (ESA) has been completed and is located in PART 4: EVALUATION OF EXISTING CONDITIONS.

CASHMAN ELEMENTARY SCHOOL SITE



STRUCTURES AND FENCES

There is chain link fencing (CLF), in fair condition, around the generator and dumpster to the north of the building and around the “Great Cashman Pumpkin Patch” to west of the school. There are also two rain barrels within the fencing.

The CLF surrounding the two baseball fields to the west of the school and baseball backstops are in good condition. The fields also share a concession stand and batting cage, also in good condition.

There are a number of granite benches at the northeast playground.

There is one long bike rack located on the southwestern side of the building. Three are of the same style, one is different. The pavement at the rack is half concrete and half decorative stone.

SITE ACCESS AND CIRCULATION

Cashman Elementary School is located at 193 Lions Mouth Road, 1.2 miles west of the center of the City. The school is located approximately 450' back from the road and is serviced by a single driveway to the south. The property is abutting the Woodsom Farm property to the west.

Bus drop-off: Buses park along the eastern parking lot closest to the buildings Main Entrance. The lot has striped bus parking to accommodate 7 full-size buses. The school is serviced be 7 full-size school buses and 4 school vans.

Parent drop-off: Parent drop off occurs along the western side of the building. The school creates two drop off lanes with cones. The lane closest to the curb is for quick drop-offs. The lane furthest from the cone allows for parents to park and slowly unload their children. The process is facilitated by a crossing guard.

Walkers: Very few students walk to and from school. All students enter the building through the main entrance. Students are dismissed from doors on all sides of the building.

Public sidewalks connect the school to the neighborhood. There is a crosswalk at the western side of the driveway allowing pedestrian crossing onto the site from the south side of Lions Mouth Road. Pedestrian paving materials within the site are bituminous paving in fair condition.

Existing Service access is on the northwest side of the Cashman Elementary School, accessible off the main driveway and through the parking lots.

TOPOGRAPHY

To the north and north-east is a sloped hill, with heavy wooden vegetation. There is approximately 20' of grade change. To the west of the school, the site from the base of the slope to southern property line rises in three tiers with approximately 40' of grade change. To the east of the school, there is an approximate grade change of 10' from the parking lot down to the playground and soccer field.

ZONING SETBACKS AND LIMITATIONS

Cashman Elementary School site resides within the OSC (Open Space Conservancy) zone. Building setbacks are 100-foot front, 50-foot side and 50-foot rear. The height limit is 30 feet and 2½ stories. In addition, 80% of the site must remain as open space. Building on this site will require variances to the stories and height limit.

ACCESSIBILITY REQUIREMENTS

There are few accessible walks around the building. Those that could be accessible do not have curb cuts that meet the current ADA/MAAB standards for slope, width, or detectable warnings.

EASEMENTS

There are no known easements on the Cashman Elementary Site.

WETLANDS / FLOOD RESTRICTIONS

The site has an intermittent stream and wetlands along the northern edge of the property. In addition, there is an intermittent stream along the western property line. While the stream in on the Woodsom Farm property, the buffer zoned extend onto this site.

The north side of the site is labeled as a FEMA flood zone X. The area is within and beyond the wetlands and does not impact the area of construction.

An ANRAD was filed on August 27, 2018. In accordance with the Amesbury Conservation Commission policies, a peer review was performed on October 02, 2018. The Amesbury Conservation Commission accepted the peer review wetland delineation shown in the survey dated October 4, 2018. The ANRAD, Peer Review Report, and the approved survey are included in PART 4: EVALUATION OF EXISTING CONDITIONS.

EMERGENCY VEHICLE ACCESS

Currently, emergency access is limited around the building. There is paved access for the front, southern facade of the building, the western façade, and southeastern facade. The northern and half the eastern side of the building are not accessible for vehicles.

SAFETY AND SECURITY REQUIREMENTS

The Cashman Elementary School is located within a residential neighborhood. The proximity of the building and all supporting traffic and recreational features will be planned with the School Department and the abutting neighbors to ensure safe and viable access and operation of the facility and the neighborhood.

Should the new school be constructed on this site, a secondary driveway is recommended.

FACILITY SERVICE

Service for the existing Cashman Elementary School is on the northwest side of the building at the end of the parking lot. The location requires trucks to use the main driveway and causes traffic issues should a truck arrive during drop off and pick up times.

UTILITIES

Water, storm drainage, natural gas, electrical power, and sanitary sewers are presently available on the AES site.

The building is under the jurisdiction of the City of Amesbury and its ordinances. Water and sewer are supplied by the City of Amesbury. Natural gas and electrical services are supplied by National Grid USA.

A hydrant flow test will be conducted to confirm a fire pump room will not be required if a new school is added to this site.

ATHLETIC FIELDS / OUTDOOR EDUCATION SPACES

There is a large playground area located to the east of the building. In addition, there is two a smaller playground of the west building.

The large playground is lined with timber (railroad ties) edging and wood fiber mulch. All playgrounds contain timber and plastic play equipment. The playground is not fenced in. It is accessed by a ramp from the building that does not appear to meet the current code. The smaller playground to the west is lined with plastic edging and wood fiber mulch. The playground is fenced in. Both the fencing and the edging is in poor condition.

The play equipment will need to be evaluated to determine whether or not it meets current playground standards.

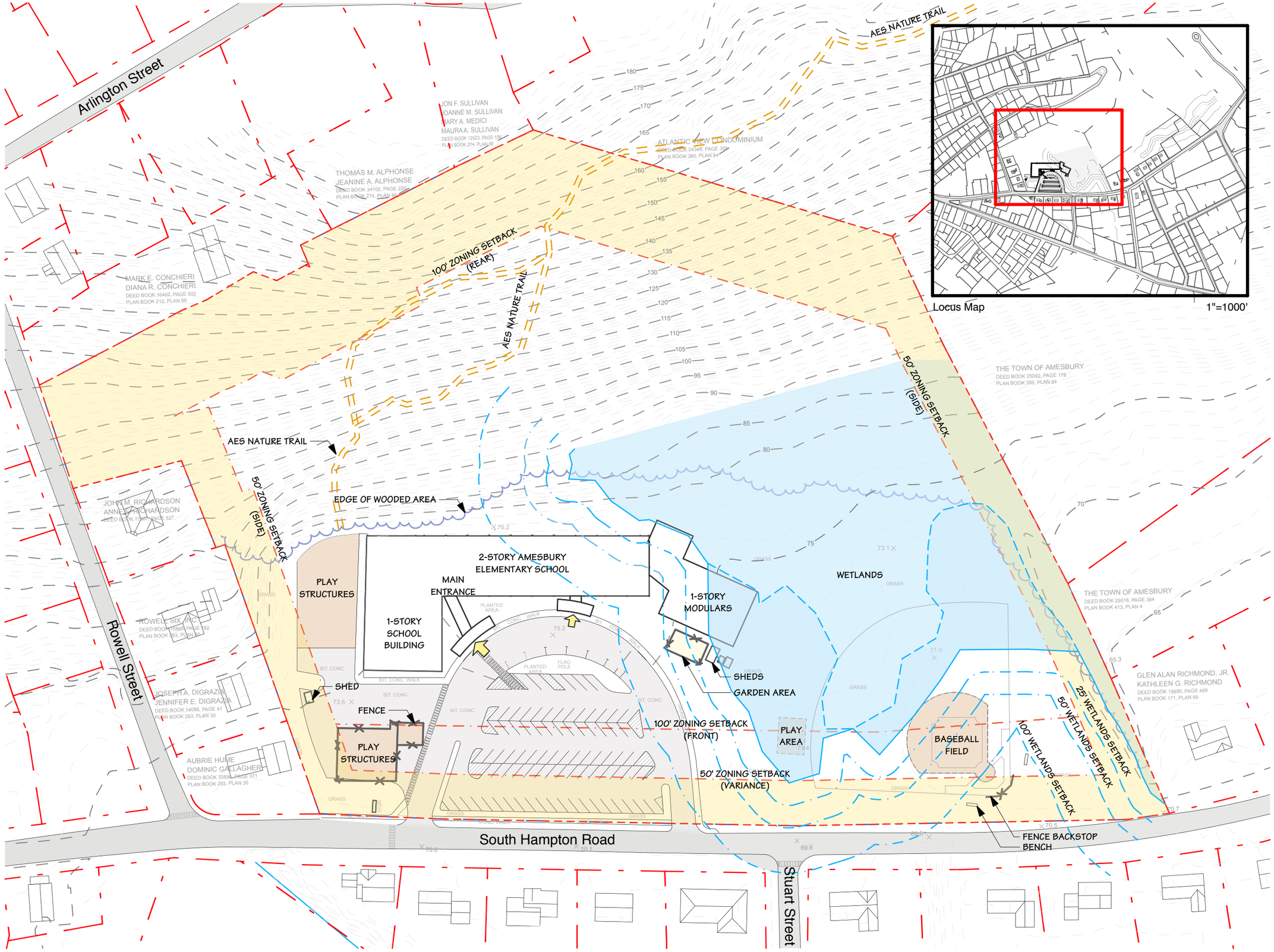
There are two baseball fields on the northwest quadrant of the site. The baseball infields are in good condition, as are the backstops. The fields are fenced in and each is served by dugouts in good condition. The associated batting cage and concession stand are in good condition.

SITE ORIENTATION, LOCATION CONSIDERATIONS

While maximizing North/South orientation of the classrooms is ideal to provide and control natural daylighting of classrooms, the site limitations restrict ideal orientation. The wetlands to the north, the existing school structure to the east and Woodsom Farm to the west limits the amount of buildable area within the site for a new structure to be constructed on this site.

ENVIRONMENTAL STUDIES

A Phase 1 Environmental Site Assessment (ESA) has been completed and is located in PART 4: EVALUATION OF EXISTING CONDITIONS.



Locus Map 1"=1000'

Amesbury Elementary School

Amesbury Massachusetts

AES SITE:
PRELIMINARY DESIGN PROGRAM

EXISTING SITE SURVEY

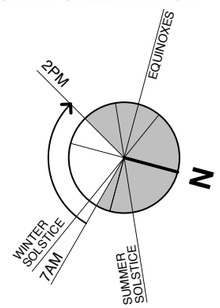
- Structures and fences
- Parking and paving
- Code requirements
- Zoning setback and limitations
- There are no easements
- Wetlands and/or flood restrictions
- Utilities
- Athletic field and outdoor educational spaces
- Site orientation

Notes:

1. A 100' wide setback is required at the front and rear of the the property. A variance will be required for the front zoning setback to allow for sufficient building area in front of the existing building.

2. A variance will be required for the building height / stories zoning requirements to allow for sufficient building area.

SOLAR ORIENTATION



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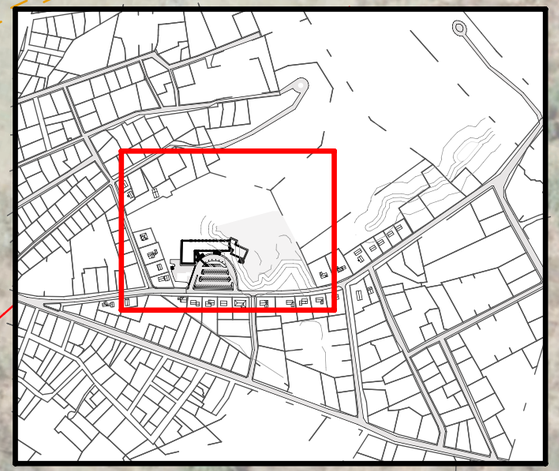
Amesbury Elementary School

Amesbury Massachusetts

AES SITE:
PRELIMINARY DESIGN PROGRAM

EXISTING PARKING & VEHICULAR CIRCULATION

- Site access and circulation
- Parking and paving
- Emergency vehicle access
- Athletic field and outdoor educational spaces



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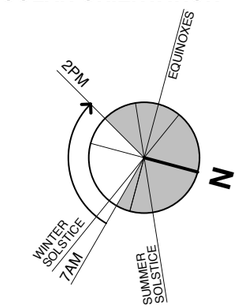
LEGEND

- BUSES
- CARS
- SERVICE
- EMERGENCY
- BUILDING ENTRANCE
- XX PARKING SPACES
- VIDEO PHONE
- BUS QUEUE

SOLAR ORIENTATION



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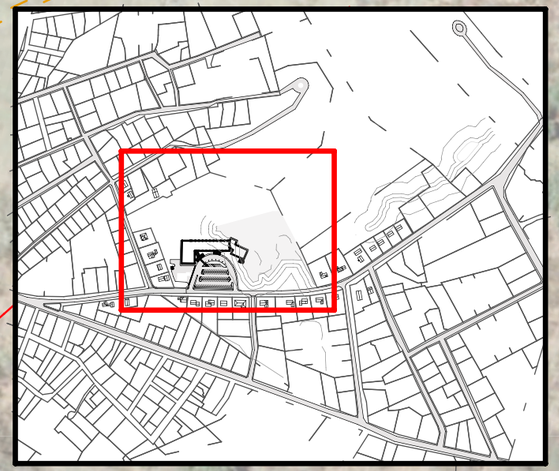
Amesbury Elementary School

Amesbury Massachusetts

AES SITE:
PRELIMINARY DESIGN PROGRAM

EXISTING PEDESTRIAN CIRCULATION

- Site access and circulation
- Pedestrian routes and safety
- Athletic field and outdoor educational spaces



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Arlington Street

Rowell Street

South Hampton Road

Stuart Street

2-STORY AMESBURY ELEMENTARY SCHOOL

MAIN ENTRANCE

1-STORY SCHOOL BUILDING

1-STORY MODULARS

PLAY STRUCTURES

PLAY STRUCTURES

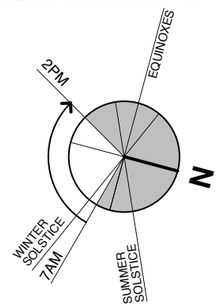
PLAY AREA

BASEBALL FIELD

LEGEND

- PEDESTRIAN CIRCULATION
- BICYCLIST CIRCULATION
- BIKE RACKS
- BUILDING ENTRANCE
- CROSSWALK
- CROSSING GUARD

SOLAR ORIENTATION



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Amesbury Elementary School

Amesbury Massachusetts

AES SITE:
PRELIMINARY DESIGN PROGRAM

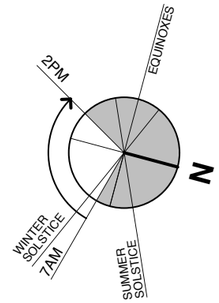
EXISTING ACCESSIBILITY PLAN

- Site access and circulation
- Parking and paving
- Accessibility requirements

LEGEND

- ACCESSIBLE PARKING
- PATH OF TRAVEL
- BUILDING ENTRANCE
- CROSSWALK

SOLAR ORIENTATION



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Amesbury Elementary School

Amesbury Massachusetts

AES SITE:
PRELIMINARY DESIGN
PROGRAM

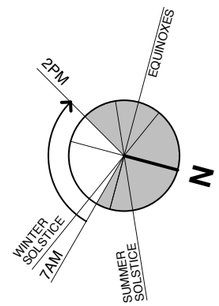
EXISTING SITE UTILITIES

- Site access and circulation
- Parking and paving
- Utilities

LEGEND

- W — WATER LINE
- G — GAS LINE
- SD — STORM DRAIN
- SS — SEWER LINE
- OHW — OVERHEAD WIRE

SOLAR ORIENTATION



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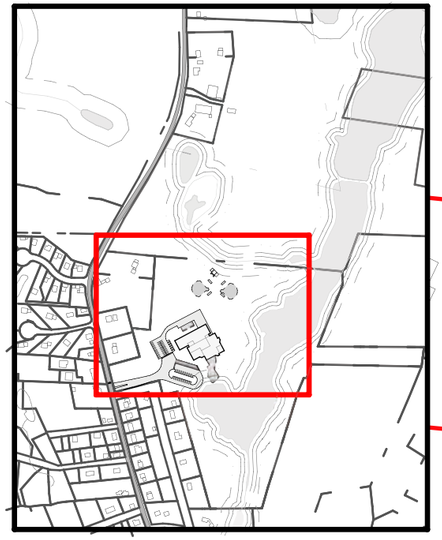


Locus Map 1"=1000'

Amesbury Elementary School

Amesbury Massachusetts

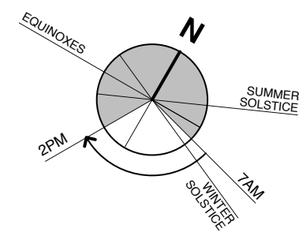
CES SITE:
PRELIMINARY DESIGN PROGRAM

EXISTING SITE SURVEY

- Structures and fences
- Parking and paving
- Code requirements
- Zoning setback and limitations
- There are no easements
- Wetlands and/or flood restrictions
- Utilities
- Athletic field and outdoor educational spaces
- Site orientation

Notes:
1. A variance will be required for the building height / stories zoning requirements to allow for sufficient building area.

SOLAR ORIENTATION



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Locus Map 1"=1000'

BASEBALL FIELD

BASEBALL FIELD

BUS QUEUE

PLAY AREA

2 1/2-STORY CASHMAN ELEMENTARY SCHOOL

MAIN ENTRANCE

PARENT QUEUE

42

14

VAN/HP

14

PLAY AREA

Lions Mouth Road

Amesbury Elementary School

Amesbury Massachusetts

CES SITE:
PRELIMINARY DESIGN PROGRAM

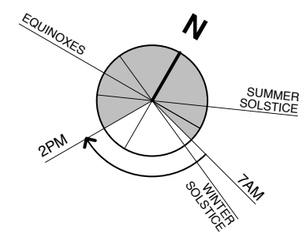
EXISTING PARKING & VEHICULAR CIRCULATION

- Site access and circulation
- Parking and paving
- Emergency vehicle access
- Athletic field and outdoor educational spaces

LEGEND

- BUSES
- CARS
- SERVICE
- EMERGENCY
- BUILDING ENTRANCE
- XX PARKING SPACES
- VIDEO PHONE
- AM BUS QUEUE + TIME OF DAY

SOLAR ORIENTATION



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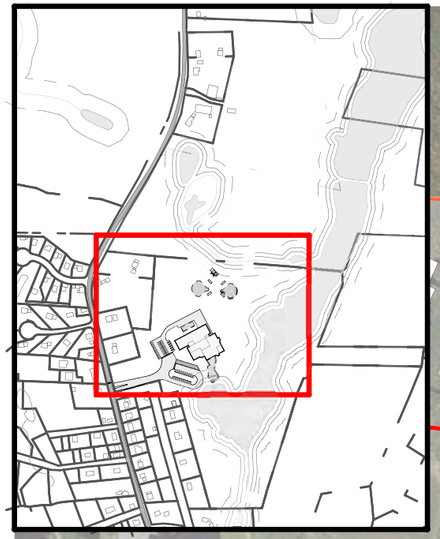


Locus Map 1"=1000'

BASEBALL FIELD

BASEBALL FIELD

PLAY AREA

2 1/2-STORY CASHMAN ELEMENTARY SCHOOL

MAIN ENTRANCE

PLAY AREA

Lions Mouth Road

Amesbury Elementary School

Amesbury Massachusetts

CES SITE:
PRELIMINARY DESIGN PROGRAM

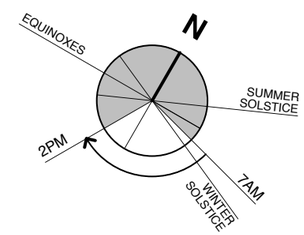
EXISTING PEDESTRIAN CIRCULATION

- Site access and circulation
- Parking and paving
- Emergency vehicle access
- Athletic field and outdoor educational spaces

LEGEND

- PEDESTRIAN CIRCULATION
- BICYCLIST CIRCULATION
- BIKE RACKS
- BUILDING ENTRANCE
- CROSSWALK
- CROSSING GUARD

SOLAR ORIENTATION



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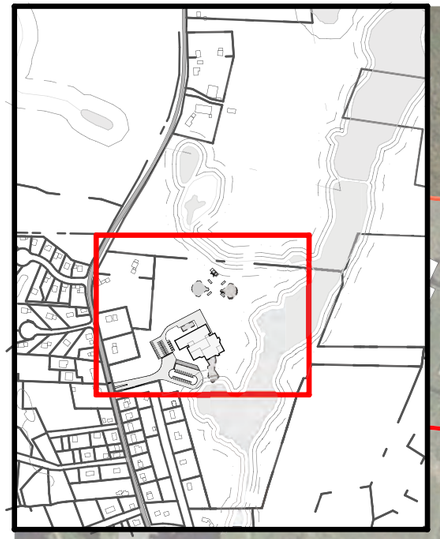


Locus Map 1"=1000'

BASEBALL FIELD

BASEBALL FIELD

PLAY AREA

2 1/2-STORY CASHMAN ELEMENTARY SCHOOL

MAIN ENTRANCE

PLAY AREA

Lions Mouth Road

Amesbury Elementary School

Amesbury Massachusetts

CES SITE:
PRELIMINARY DESIGN PROGRAM

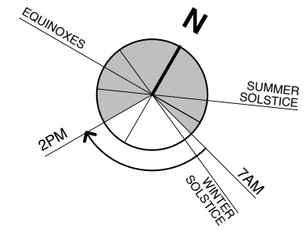
EXISTING ACCESSIBILITY PLAN

- Site access and circulation
- Parking and paving
- Accessibility requirements

LEGEND

- ACCESSIBLE PARKING
- PATH OF TRAVEL
- BUILDING ENTRANCE
- CROSSWALK

SOLAR ORIENTATION



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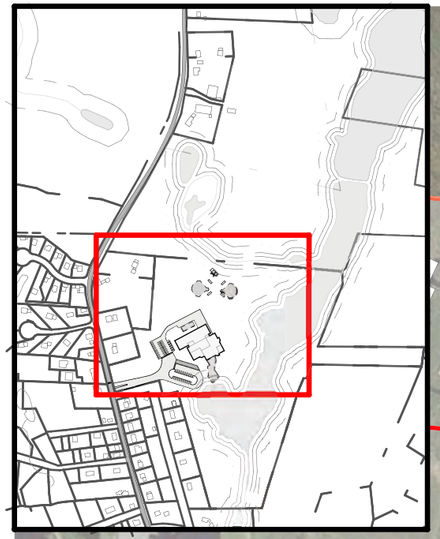


Locus Map 1"=1000'

BASEBALL FIELD

BASEBALL FIELD

PLAY AREA

2 1/2-STORY CASHMAN ELEMENTARY SCHOOL

MAIN ENTRANCE

PLAY AREA

Lions Mouth Road

Amesbury Elementary School

Amesbury Massachusetts

CES SITE:
PRELIMINARY DESIGN PROGRAM

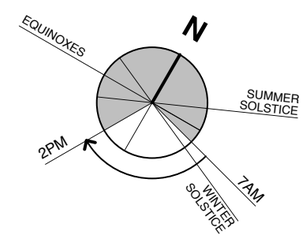
EXISTING SITE UTILITIES

- Site access and circulation
- Parking and paving
- Utilities

LEGEND

- W — WATER LINE
- G — GAS LINE
- SD — STORM DRAIN
- SS — SEWER LINE
- E — ELE DUCTBANK OR O.H. WIRE

SOLAR ORIENTATION



01 November 2018

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PART 6: PRELIMINARY EVALUATION OF ALTERNATIVES

INTRODUCTION

Based upon the educational program, initial space summary, evaluation of existing conditions and site development requirements, a preliminary evaluation of alternatives has been developed. The preliminary alternatives are to identify options that are cost-effective and educationally appropriate, so further evaluation may be conducted prior to arriving at a preferred solution.

As part of the process and in addition to evaluating new construction and renovation/addition options, the following items were evaluated and considered.

SCHOOL ASSIGNMENT PRACTICES

The shortfall of spaces in both of the Amesbury K-5 schools eliminates the possibility of reassigning students during renovations or construction of a new Amesbury Elementary School. The other Elementary School, Cashman Elementary School, is currently over capacity so alternatives such as re-districting or using vacant space in the other school facility do not exist.

TUITION AGREEMENTS

Amesbury is currently not a School Choice District for the 2018-19 school year.

RENTAL OR ACQUISITION

As part of the analysis undertaken, there are no rental or existing buildings, of appropriate size, that could be made available within the Amesbury School District boundaries that could be considered for the new School.

PRELIMINARY EVALUATION OF OPTIONS

It is the desire of the project team to continue to evaluate the merits of the various concepts below prior to arriving at a Preferred Schematic Option. How well each concept meets the following considerations will be fully evaluated to determine the best solution for the Amesbury Elementary School:

- Fulfills program adjacencies and spatial relationships
- Provides flexibility for educational program
- Easily zoned community use
- Maximizes open space, outdoor play areas & outdoor educational space
- Maximize staff parking on site
- Addresses traffic flow on and off the site
- Cost-effectiveness

PROPOSED OPTION 1 CODE UPGRADE ONLY

The code upgrade option includes the repair of systems and/or scope required for code compliance with no modification of existing spaces or their function does not meet the program requirements for the Amesbury Elementary School. The existing 53,723 SF school, of which 8,395 SF is portable classrooms, constructed in 1966 and 1995 is half the size required for the educational program based on the design enrollment of 425 students. The sizes of many existing spaces are inadequate based on today's standards and there are a limited number of special education spaces that do not meet the program needs. The cafeteria, media center and gymnasium are significantly undersized. Additionally, a new elevator and enlarged rest rooms would further reduce the usable program area. Refer to PART 3 – INITIAL SPACE SUMMARY for a detailed comparison of the existing space to the required needs of today's educational program. In addition, as there is no other temporary swing space in the City, thoughtful consideration would be required for phasing of the renovation. Therefore, this concept has no merit to evaluate further.

PROPOSED OPTION 2 RENOVATION / ADDITION

A renovation/addition option at the existing Amesbury Elementary School is possible. The existing facility would require a significant renovation to bring the facility up to current codes, to provide full accessibility and to meet green school objectives. Careful consideration of spatial relationships and adjacencies will be required with any Renovation/Addition option. The floor to floor height combined with the concrete waffle slab construction will make installing updated HVAC systems difficult. In addition, as there is no other temporary swing space in the City, thoughtful consideration is required for phasing construction of the renovation/addition option. Due to site limitations, additional off-site parking is required. Drop off/pick up area, pedestrian access, gathering, outdoor play, service/delivery, and emergency access has been demonstrated to fit on the site.

Phase one of construction would build a classroom wing that the students would move into once complete. The second phase of construction would demolish the existing classroom wing of the building and renovate the existing Cafeteria and Gym wing. This phasing currently dictates the need to demolish the existing cafeteria and kitchen. As a result, the school will be without a cafeteria during Phase 2 of construction.



PROPOSED OPTION 3 NEW CONSTRUCTION AT AES

The Amesbury Elementary School site provides an opportunity to evaluate a new PK-2 school option for a 425-student school. The Amesbury Elementary School site is comprised of 17 acres of which 2.7 acres are buildable if wetland and zoning variances are approved and the existing building is demolished.

Due to the extremely tight site conditions, the new building would require phased construction. Phase one would build a new classroom wing. Once that wing is complete, the school population would move into that space. The second phase would demolish the existing building in its entirety and build the Cafeteria/Gym wing in the existing building footprint. Concept plans have verified that a new building can fit on the site and achieve the configurations and spatial relationships among educational spaces. Due to site limitations, additional off-site parking is required. Drop off/pick up area, pedestrian access, gathering, outdoor play, service/delivery, and emergency access has been demonstrated to fit on the site. The concept plans demonstrate the existing school can remain in use during the first phase while the new school is constructed on the same site.

The second phase of construction currently dictates the need to demolish the existing cafeteria and kitchen. As a result, the school will be without a cafeteria during Phase 2 of construction.



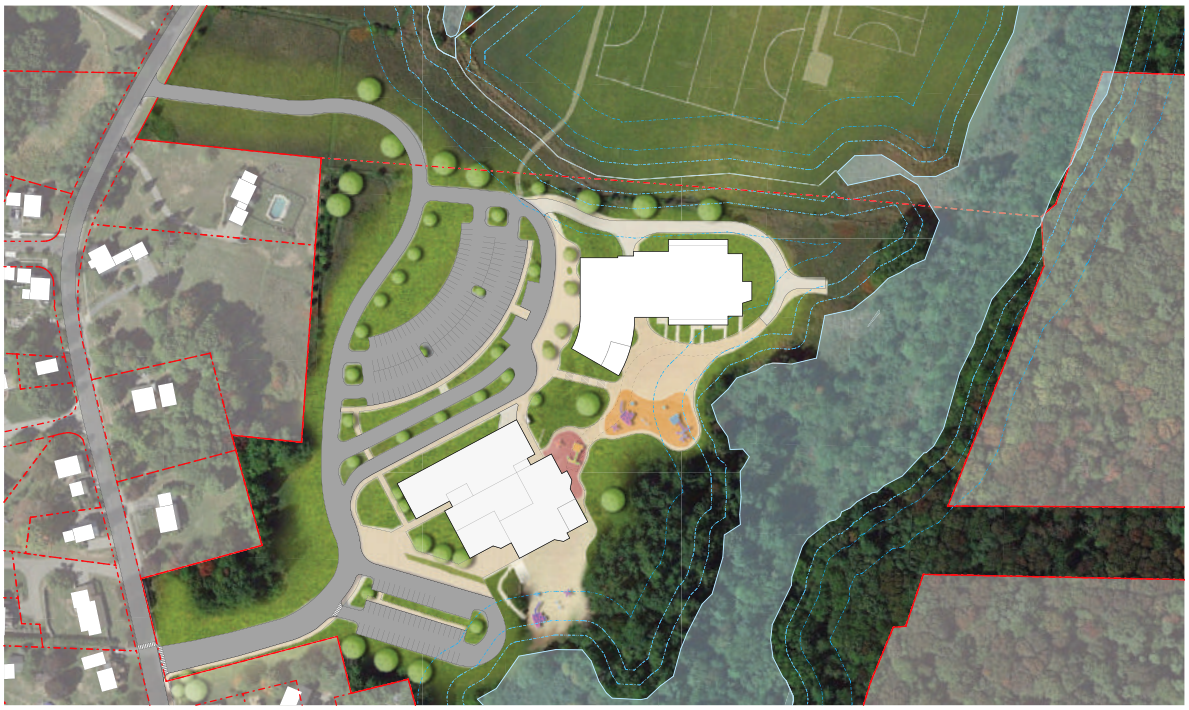
PROPOSED OPTION 4 NEW CONSTRUCTION AT CES

The Cashman Elementary School site provides an opportunity to evaluate a new PK-2 school option for a 425-student school. The Cashman School site is comprised of 36 acres of which 12.3 acres are buildable. Zoning and wetland variances will be required.

This concept is to construct a new school adjacent to the existing school creating an elementary school campus. A new structure could be located and sized to support the program. Concept plans have verified that a new building can fit on the site and achieve the configurations and spatial relationships among educational spaces while meeting exterior program requirements for vehicular drop off/pick up, parking, pedestrian access, gathering, outdoor play, service/delivery and emergency access.

The concept plans further demonstrate the existing Cashman school will remain in use while the new school is constructed on the same site. A second entrance drive will allow for the contractor to have a separate access. The contractor lay down area and building construction will be able to remain substantially separate from the occupied school.

The final phase of construction will replace the Cashman school's current entrance and parking with new and improved parking and drop-off/pick-up areas.



COST SUMMARY

Cost considerations are important factors in determining the most cost-effective solution for the Amesbury Elementary School. Below is a cost comparison of code upgrade, renovation/addition and new construction.

OPTION	Program Area	Gross Square Footage	Construction Cost D/B/B CM	Project Cost D/B/B CM	Duration / Year Complete
Option 1 Code Upgrade	40,594 NFA	53,723 GSF	$16,654,130 $17,986,500	$20,817,663 $22,483,125	18 months (2022)
Option 2 Renovation/ Addition	66,642 NFA	99,963 GSF	$47,492,888 $51,312,888	$59,366,110 $64,141,110	40 months (2023)
Option 3 New School on Amesbury	66,642 NFA	99,963 GSF	$50,264,000 $54,264,000	$62,830,000 $67,830,000	40 months (2023)
Option 4 New School on Cashman	66,642 NFA	99,963 GSF	$47,320,000 $51,320,000	$59,150,000 $64,150,000	24 months (2022)

***Considerations for Construction Cost:**

1. Design capacity = 425 students for Code Upgrade, Renovation/Addition and New Construction
2. Construction Cost
   a. Design/Bid/ Build (D/B/B) and CM at Risk (CM) costs shown for all options.
   b. Existing Amesbury Elementary School and Cashman School remain occupied for all options.
   c. Abatement included for Renovation/Addition and New Construction options at AES.
   d. Demolition included for Renovation/Addition and New Construction option at AES.
3. Project Cost
   a. Temporary/swing space for students during construction for Code Upgrade, Renovation/Addition, and new construction at AES Options are not included in the project cost
   b. Construction cost x 25% soft costs

Based upon education, safety, site design and cost considerations of the alternatives presented, it is the District's preference is to further evaluate Options 2, 3 and 4 to bring forth a Preferred Schematic Report to the MSBA.

PART 7: LOCAL ACTIONS AND APPROVALS

- Local Actions and Approvals Certification
- SBC Minutes for PDP Submission
- Meeting Agendas and Minutes

AMESBURY PUBLIC SCHOOLS

JARED FULGONI
SUPERINTENDENT OF SCHOOLS

Tel : 978-388-0507
Fax : 978-388-8315

5 Highland Street
Amesbury, MA 01913

JOAN LIPORTO
DIRECTOR OF FINANCE
AND OPERATIONS

LYN JACQUES
DIRECTOR OF TEACHING
AND LEARNING

November 01, 2018

Ms. Diane Sullivan
Senior Capital Program Manager
40 Broad Street
Boston, Massachusetts 02109

Dear Ms. Sullivan:

The Town of Amesbury Elementary School Building Committee ("AESBC") has completed its review of the Feasibility Study Preliminary Design Program for Amesbury Elementary School project (the "Project"), and on October 25, 2018 the AESBC voted to approve and authorize the Owner's Project Manager to submit the Feasibility Study related materials to the MSBA for its consideration. A copy of the AESBC meeting minutes, which includes the specific language of the vote and the number of votes in favor, opposed, and abstained, are attached.

Since the MSBA's Board of Directors invited the District to conduct a Feasibility Study on May 22, 2017, the AESBC held ten (10) meetings regarding the Project, one (1) City Council Meeting, two (2) Conservation Commission Meetings, and the Amesbury School Committee held two (2) meetings in which the Project was presented and discussed. All meetings were in compliance with the state Open Meeting Law. These meetings include:

Meeting Date	Time	Group	Location	Topic
11/20/2017	5:00PM	Amesbury Elementary School Building Committee (AESBC)	Amesbury High School Library	NV5 Introduction and Designer Selection Schedule
01/30/2018	4:00PM	Amesbury Elementary School Building Committee (AESBC)	Amesbury High School Library	Designer Selection Update
03/22/2018	3:30PM	Amesbury Elementary School Building Committee (AESBC)	Amesbury High School Library	DiNisco Design Introduction/ Feasibility Study Update
04/26/2018	4:30PM	Amesbury Elementary School Building Committee (AESBC)	Amesbury High School Library	Feasibility Study Update Presentation/ Education Plan Update
05/24/2018	4:30PM	Amesbury Elementary School Building Committee (AESBC)	Amesbury High School Library	Feasibility Study Update Presentation/ Education Plan Update
06/28/2018	4:30PM	Amesbury Elementary School Building Committee (AESBC)	Amesbury High School Library	Feasibility Study Update Presentation/ Education Plan Update

07/09/2018	7:00PM	Amesbury Elementary School Committee	Amesbury High School	Project/Education Program Update Presentation
08/06/2018	6:30PM	Amesbury Conservation Commission	Amesbury City Hall	Project Status Update
08/06/2018	7:00PM	Amesbury School Committee	Amesbury High School	Vote to Approve Education Program
08/23/2018	3:30PM	Amesbury Elementary School Building Committee (AESBC)	Amesbury High School Library	Project Status Update
09/17/2018	6:30PM	Amesbury Conservation Commission	Amesbury City Hall	Review of existing AES site ANRAD
09/27/2018	3:30PM	Amesbury Elementary School Building Committee (AESBC)	Amesbury High School Library	Project Status/ MSBA Enrollment Update
10/04/2018	6:30PM	Amesbury Conservation Commission	Amesbury City Hall	Review of existing Cashman site ANRAD
10/25/2018	3:30PM	Amesbury Elementary School Building Committee (AESBC)	Amesbury High School Library	Vote to approve PDP & Preferred Site

In addition to the SBC meetings listed above, the District held four (4) public meetings, which were posted in compliance with the state Open Meeting Law, at which the Project was discussed. These meetings include:

05/14/2018	7:00PM	Amesbury Elementary School Building Committee (AESBC)	Amesbury High School Auditorium	Community Forum #1
06/11/2018	7:00PM	Amesbury Elementary School Building Committee (AESBC)	Amesbury High School Auditorium	Community Forum #2
07/30/2018	7:00PM	Amesbury Elementary School Building Committee (AESBC)	Amesbury High School Auditorium	Community Forum #3
10/10/2018	7:00PM	Amesbury Elementary School Building Committee (AESBC)	Amesbury High School Auditorium	Community Forum #4

The presentation materials for each meeting, meeting minutes, and summary materials related to the Project are available locally for public review at https://schools.amesburyma.gov/Page/511

To the best of my knowledge and belief, each of the meetings listed above complied with the requirements of the Open Meeting Law, M.G.L. c. 30A, §§ 18-25 and 940 CMR 29 *et seq*.

If you have any questions or require any additional information, please contact Daniel Grayton, Communications Director, City of Amesbury, (978) 388-8121.

By signing this Local Action and Approval Certification, I hereby certify that, to the best of my knowledge and belief, the information supplied by the District in this Certification is true, complete, and accurate.

By: Mayor Ken Gray

Title: Mayor

Date: 10/29/18

By signing this Local Action and Approval Certification, I hereby certify that, to the best of my knowledge and belief, the information supplied by the District in this Certification is true, complete, and accurate.

By: Jared Fulgoni

Title: Superintendent of Schools

Date:

By signing this Local Action and Approval Certification, I hereby certify that, to the best of my knowledge and belief, the information supplied by the District in this Certification is true, complete, and accurate.

By: Mayor Ken Gray

Title: Chair of the School Committee

Date: 10/29/18

AMESBURY PUBLIC SCHOOLS
SCHOOL BUILDING COMMITTEE
AMESBURY HIGH SCHOOL - LIBRARY
January 30, 2018

Present at 4:00 pm were: Tim Baker, Robert Juusola, Dr. Gary Reese, Mayor Gray, Walter Helliesen, Cristen Chabot, Joan Liporto, Joe McMilleon, Peter Hoyt, and Laurie McAllister.

Mayor Gray called the meeting to order at 4:01 PM.

AGENDA

1. **Approval of November 20, 2017 minutes**
   Minutes were not available – tabled till next meeting.

2. **MSBA process – Designer Selection**
   Rob Juusola from NV5, spoke about the Designer Selection Panel Meeting which will be on February 6, 2018 in Boston. This panel will consist of 13 members which will include, Mayor Gray, Dr. Reese and Peter Hoyt. MSBA likes to have 5 to 6 proposals, but we have only received 3 proposals (DiNisco Design Partnership, Moody Nolan Architect and Taylor & Burns Architects). Rob explained that Amesbury can put it out again to get other proposals, or they can submit these 3, which will help speed up the process. Hopful that MSBA will accept these three proposals and skip right to the interviews on February 27, 2018.
   Regarding the 3 proposals, Rob stated that DiNisco is the most qualified and they have had experience working with them; Moody Nolan has national experience and Taylor & Burns have had no experience with public schools.
   Rob explained that it is important for the 3 representing Amesbury to be united on who they want – MSBA will try to sway them. Rob suggested that the 5 of them get together before February 6th so that they can all be on the same page.

3. **Preliminary Milestone Schedule**
   Handout on the preliminary milestone schedule – Tim and Rob went over the schedule noting that these times are estimated times and once the Designer is on board, will tweak the schedule to fit Amesbury and MSBA. They went on to say that the process is long with MSBA very detailed.
   Timeline:
   - Designer Selection – in February – will be negotiating fee
   - Feasibility study – Fall 2018
   - Schematic Design – 2019 (focus on 1 design, cost estimate and floor plan)
   - MSBA Board Approval – Summer 2019
   - Local vote – November 2019
   - Construction – beginning 2021
   - Move in – 2022

   Mayor Gray asked about the timing of finances? He went on to explain about the Skating Rink project, bonding and freeing up some cash to not hit the tax payers so hard. This would also be a good selling point.
   Rob stated that he will contact MSBA regarding the three proposals, to move forward.

4. **Approval of NV5 invoices**

Motion by Mayor Gray, second by Jim McMilleon to approve payment of NV5 invoices for October, November and December 2017. Vote: Yes, Unanimous.

Rob stated that he will set up another meeting after the Designer is selected. Then, moving forward, will get regular meetings scheduled.

Mr. McMilleon asked if MSBA goes with another Designer, do they give you a reason why. Tim stated that they would, but does not anticipate that will happen here.

Motion by Mr. Helliesen, seconded by Mr. Hoyt to adjourn at 4:30 PM. Vote: Yes, Unanimous.

AMESBURY PUBLIC SCHOOLS
SCHOOL BUILDING COMMITTEE
AMESBURY HIGH SCHOOL - LIBRARY
Monday, November 20, 2017

Present at 5:00 pm were: Tom Murphy, Robert Juusola, Dr. Gary Reese, Mayor Gray, John Donnell, Walter Helliesen, Cristen Chabot, Joan Liporto, Joe McMilleon, Nick Wheeler, Jim Queenan, Bruce McBrien, Brendon Sullivan, and Monique Griffin (arriving at 5:35).

Mayor Gray called the meeting to order at 5:05 PM.

AGENDA

1. **Introductions**
   Tom Murphy, NV5 Project Manager role of MSBA; Robert Juusola, NV5 Architect – day to day contact; Mayor Gray; Gary Reese, Superintendent; John Donnell, Community Representative; Walter Helliesen, AES Principal; Cristen Chabot, AES Teacher; Joan Liporto, Director of Business and Operations; Joe McMilleon, City Councilor; Nick Wheeler, School Committee Representative; Jim Queenan, AMS Teacher; Bruce McBrien, AES Teacher; Brendon Sullivan, Community Representation.

2. **MSBA Designer Selection Panel (DSP) process**
   Tom Murphy stated that the MSBA process is vigorous. He had some handouts that he will review with the committee.
   - Flow Chart – general overview
     - **Preparation** – Eligibility period – SOI – approved buy MSBA and Community
     - **Scope Definition** – focusing on now – forming the Project Team (NV5); Feasibility Study, Preliminary Design Program (PDP) – spell out how to teach children, MSBA will use this information in the design process; Schematic Design – get 1 scheme, size, floor plan, grade configuration the meeting with MSBA; Funding the Project – town vote.
     - **Scope Monitoring** – Detailing Design; Construction; Completing the Project; Project Complete.

   Rob Juusola spoke about:
   - Preliminary Milestone Schedule – not fixed dates but need to meet with MSBA dates
     - OPM Selection – 2017 - MSBA approval of Designer RFS by December 22, 2017 before advertising by December 28, 2017
     - Designer Selection – 2018 – Design process – MSBA has 13 members with 3 members from this committee.
     - Feasibility Study (PDP/PSR) – 2018
     - MSBA Board Approval (PSR) – Fall 2018
     - Schematic Design – 2019
     - MSBA Board Approval (PSB) – Fall 2019
     - Local Vote/Funding Approval (PFA) – Town approval Spring 2020
     - Design Phase/ Bidding – 2020 – 2021
     - Construction – 2021 – 2022
     - Students and Staff Move in – end of 2022
     - Project Close out - 2023

Tom Murphy spoke about MSBA being a thorough and a good process. Public input kicks off with the designer selection.

3. **Review of "Draft" Request for Designer Services (RFS)**
   Mr. Murphy went over this Draft asking for any feedback and/or additions to this document before it is submitted.
   - MSBA enrollment projection and space capacity. Grades K-4 = 220; Grades K-5 = 375 for CES; Grades K-2 District-wide = 410 students; Grades 3-5 District-wide = 445. Wally questioned the numbers. Gary stated that the numbers were based on when opened, he also did not agree with the numbers at first.
   - Regarding the paragraph with ADA compliant (page 3) add "physical" before disability. Next paragraph add "some" before physical disabilities.
   - Page 4 – Town has records that will be available – blueprints are available at the school
   - Page 5 – questions of physical aspect to CES
   - Preliminary Program through final design program 30 weeks; schematic Design phase 26 weeks; Design, bidding, construction total duration will not be determined until we know what we are building
   - Page 9 - Regarding standard designer application form – these are standard forms and will be set out.

4. **Selection of (3) local DSP members**
   Superintendent, Mayor and one other, would need to select and voted on, meet twice a month. January 23, 2018 Designer Selection Panel Meeting then, February 6, 2018 Designer Selection Panel Interview.

5. **MSBA DSP Meeting Schedule**
   Meet with MSBA in September in time for the November elections for the public.

Discussion:
Mayor Gray asked about the timeline – lengthy, can this be shortened? Tom stated that this will depend on the design/configuration of the building. MSBA like to have at least 2 months between PDP and PSR. Mayor Gray asked what will drive that? Tom stated the cost – maximum reimbursement – need to educate the public and address comments and concerns, fliers, community outreach. Mayor stated the need to go public sooner rather than later. Tom stated that going public can begin as soon as we have a designer on board.
Wally asked about points/formula regarding going Green, new versus renovation. Tom stated that yes there are different points given on different configuration, but added that there are no reimbursements for Pre-K. Wally spoke about the push-back from community members when trying to reconfigure CES and AES differently in 2007 when budget was tight.

Motion by Mr. Wheeler, seconded by Mr. McMilleon to adjourn at 5:58 PM. Vote: Yes, Unanimous.

Date:	Thursday, March 22, 2018
Location:	Amesbury High School Media Center
Time:	3:30 PM
Next Meeting:	Thursday, April 26, 2018

	Name		Association/Title	Affiliation
Y	Kenneth Gray		Mayor of Amesbury, Chair	(AESBC)
Y	Peter Hoyt		Amesbury School Committee	(AESBC)
Y	Gary Reese, Ed.D.		Superintendent of Schools	(AESBC)
Y	Joan Liporto		Director of Business & Operations	(AESBC)
N	Walter Helliesen		Principal, Amesbury Elementary School	(AESBC)
N	Joe McMilleon, Councilor		City Councilor	(AESBC)
N	Norm Fredette		School Facilities	(AESBC)
N	Laurie McAllister		AES Teacher	(AESBC)
Y	Cristin Chabot		AES Teacher	(AESBC)
Y	Bruce McBrien		AES Teacher	(AESBC)
Y	Brendon Sullivan		Parent / Community Member	(AESBC)
N	Monique Griffin		Parent / Community Member	(AESBC)
N	John Donnell		Community Member	(AESBC)
Y	Jim Queenan		AES Teacher	(AESBC)
Y	Kyle Jacques		AES Teacher	(AESBC)
Y	Donna DiNisco		Principal/DiNisco Design	(DiNisco)
Y	Gary Aisnlie		Principal/DiNisco Design	(DiNisco)
Y	Angel Khazadian		Project Manager / DiNisco Design	(DiNisco)
Y	Caulen Finch		Project Architect / DiNisco Design	(NV5)
N	Tom Murphy		Project Executive / NV5	(NV5)
Y	Robert Juusola		Project Director / NV5	(NV5)
N	Tim Baker		Assistant PM / NV5	(NV5)

Discussion

1. Call to Order

Mayor Gray, Chairperson of the Amesbury Elementary School Building Committee (AESBC), called the meeting to order at 3:34 PM.

2. Meeting Minutes

NV5 distributed the meeting minutes from the prior meetings held on November 20, 2017 and January 30, 2018.

Motion: Motion by Dr. Reese, seconded by Peter Hoyt to approve the meeting minutes from both meetings. The motion passed unanimously.

3. Design Team Introduction and Presentation

The DiNisco Design team was introduced and presented an overview of the design process including: Previous Experience / Working Collaboratively / Educational Programming & Grade Reconfiguration. The following Design Concepts were presented:

OPTION #1: Phased Additions and Renovation of existing Amesbury Elementary School. Existing school would remain occupied with students moved around as construction proceeds. This is the most disruptive to students. The Committee was not supportive of this option due to impact on students and education.

OPTION #2A: New 3 Story Elementary School on AES Site. Existing school remains in operation while new school built on playfield. Grade configuration may determine if 3 story is suitable for students.

Discussion

OPTION #2B: New 2 Story Elementary School on AES Site. Existing school remains in operation while new school built on playfield. Two story, while requiring larger footprint on site may be more functional for K-4 grades.

OPTION #3: New 3 Story Elementary School on Cashman Site. New construction next to existing Cashman school. Requires extensive site design for access, parking, play areas, storm management and will require secondary access/exit from site.

OPTION #4: New 3 Story Elementary School on Woodsom Farm site / Renovation of Cashman ES. New construction on site directly adjacent to Cashman School. Allows existing Soccer Program fields to remain and site layout would not be as congested as Option #3.

4. Design / Construction Schedule

The DiNisco team presented three (3) design schedule options:
Option 1: Requires Preferred Schematic Report complete in 3.5 months in order to submit to MSBA on 7/11/18. It was felt tis schedule was too aggressive due to grade configuration and enrollment issues to be determined.
Option 2: Allows 5 months for Preferred Schematic Report with Community Support for grade configuration(s) to be obtained before submittal to MSBA on 9/12/18.
Option 3: Allows 7 months for Preferred Schematic Report with submittal to MSBA on 10/17/18. This reduces the Construction Schedule in order to open for September 2022.
The Committee agreed that Option 1 did not allow enough time for grade configuration to be resolved and supported Option 2 as the most effective schedule.
DiNisco noted use of CM at Risk or General Contractor may have an impact on construction schedule. Pros and cons of each procurement will be presented to the Committee at a later date.
The Mayor noted the schedule includes 4 months for Approval of Funding by the City. A Special Vote may be possible in order to decrease that time and improve the schedule. The vote would be a Debt Exclusion, not an Override.

5. Project Meeting Schedules

WORKING GROUP: A Working Group, headed by Supt Dr. Gary Reese as main contact, will gather input from faculty and staff and facilities personnel who will advise Dr. Reese. Dr. Reese will present information to the full AESBC for approval/action. Meetings to be held bi-weekly on Thursdays at 9:00-11:00 AM, starting on April 5, 2018 with Dr. Reese, DiNisco Design, NV5 and invited guests.
BUILDING COMMITTEE: The Amesbury Elementary School Building Committee (AESBC) will meet monthly on the last Thursday of each month at 4:30 PM. Next meeting will be April 26 at the Amesbury High School Media Center.
MSBA KICKOFF MEETING: The meeting has been scheduled for Wednesday March 28th at 2:00 PM at Amesbury Elementary School. Representing MSBA will be Elena Seiti, Senior Project Coordinator and Fenton Bradley, Project Manager. Mayor Gray, Dr. Reese, DiNisco Design and NV5 will attend.
NV5 will send meeting maker for all meetings.

6. Next Steps in the Feasibility Study/Schematic Design Phase

Next steps in the Feasibility Study/Schematic Design Phase will be to confirm enrollment projections and look at grade configurations for both Amesbury Elementary School And Cashman Elementary School, as well as impacts these decisions may have on the Middle School if 5th grade is to return to elementray school(s) in order to free up space in the Middle School.
Dr Reese stated he is very pleased with the work DiNisco Design has put into the project to date, both for the Designer Selection Panel interview as well as the effort shown today, including the preliminary site investigations and the proposed design options.

Discussion

7. Community Outreach Efforts

Supt Gary Reese noted the school department has set up a website for the project on the Amesbury Public Schools page. DiNisco to send todays powerpoint presentation to Dr. Reese for posting to website. Content will be added as study/design progresses.

8. Invoices and Commitments

Mayor Gray stated DiNisco's proposed fee has been approved, as funding has been committed by the City. DiNisco to submit draft contract with all attachments to NV5 for execution by the City.

The following invoices were submitted for approval:
NV5 Invoice #82906 $10,230.00
NV5 Invoice #83856 $10,230.00

Motion: Motion by Peter Hoyt, seconded by Dr. Reese to approve all invoices. The motion passed unanimously.

9. Other Business

There was no other business.

10. Public Comment

There was no public comment.

11. Adjournment

The meeting was adjourned at 5:05 PM.

These meeting minutes were prepared by NV5. Please notify NV5 within 48 hours of receipt of this document regarding any required corrections or clarifications.

Date:	Thursday, April 26, 2018
Location:	
Time:	4:30 PM
Next Meeting:	Thursday, May 24, 2018

	Name	Association/Title	Affiliation
Y	Kenneth Gray	Mayor of Amesbury, Chair	(AESBC)
Y	Peter Hoyt	Amesbury School Committee	(AESBC)
N	Gary Reese, Ed.D.	Superintendent of Schools	(AESBC)
Y	Joan Liporto	Director of Business & Operations	(AESBC)
Y	Walter Helliesen	Principal, Amesbury Elementary School	(AESBC)
N	Joe McMilleon, Councilor	City Councilor	(AESBC)
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Y	Bruce McBrien	AES Teacher	(AESBC)
N	Brendon Sullivan	Parent / Community Member	(AESBC)
N	Monique Griffin	Parent / Community Member	(AESBC)
N	John Donnell	Community Member	(AESBC)
N	Jim Queenan	AES Teacher	(AESBC)
Y	Kyle Jacques	AES Teacher	(AESBC)
Y	Donna DiNisco	Principal/DiNisco Design	(DiNisco)
N	Gary Aisnlie	Principal/DiNisco Design	(DiNisco)
Y	Angel Khazadian	Project Manager / DiNisco Design	(DiNisco)
Y	Caulen Finch	Project Architect / DiNisco Design	(NV5)
N	Tom Murphy	Project Executive / NV5	(NV5)
Y	Robert Juusola	Project Director / NV5	(NV5)
N	Tim Baker	Assistant PM / NV5	(NV5)

Discussion

1. Call to Order

Mayor Gray, Chairperson of the Amesbury Elementary School Building Committee (AESBC), called the meeting to order at 4:30 PM.

2. Meeting Minutes

NV5 distributed the meeting minutes from the prior meetings held on March 22, 2018.

Motion: Motion by Walter Helliesen, seconded by Joan Liporto to approve the meeting minutes. The motion passed unanimously.

3. Design Team Presentation

The DiNisco Design team presented an update of the study including Educational Programming & Grade Configuration and Site options. DiNisco is in contact with MSBA to discuss proposed capacity at Cashman which appears over estimated at 480 students.

Options include PK plus K-2 for 410 students, PK plus K-4 for 220 students, PK plus K-5 for 375 students and grades 3-5 for 445 students. Discussion was held as the the pros and cons of moving 5th Grade back down from Middle School to elementary school(s). Discussion was held concerning possibility of two schools on Cashman site.

Discussion

Option of use of the Woodsom site was discussed. Mayor Gray will forward a copy of the property deed for DiNisco review for use restrictions, etc. Walter Helliesen to forward a copy of the current school districting map.

4. Design / Construction Schedule

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The Mayor noted the schedule includes 4 months for Approval of Funding by the City. A Special Vote may be possible in order to decrease that time and improve the schedule. The vote would be a Debt Exclusion. not an Override.

5. Project Meeting Schedules

WORKING GROUP: A Working Group, headed by Supt Dr. Gary Reese as main contact, will gather input from faculty and staff and facilities personnel who will advise Dr. Reese. Dr. Reese will present information to the full AESBC for approval/action. Meetings to be held bi-weekly on Thursdays at 9:00-11:00 AM, starting on April 5, 2018 with Dr. Reese, DiNisco Design, NV5 and invited guests. Next meeting May 3, 2018 at 9:00 at Supt Office.
BUILDING COMMITTEE: The Amesbury Elementary School Building Committee (AESBC) will meet monthly on the 4th Thursday of each month at 4:30 PM. Next meeting will be May 24 at the Amesbury High School Media Center.
School Committee Meeting: The SBC will meet with the School Committee on June 4th to update them on progress to date.
NV5 will send meeting maker for all meetings.

6. Next Steps in the Feasibility Study/Schematic Design Phase

Next steps in the Feasibility Study/Schematic Design Phase will be to confirm enrollment projections and look at grade configurations for both Amesbury Elementary School And Cashman Elementary School, as well as impacts these decisions may have on the Middle School if 5th grade is to return to elementray school(s) in order to free up space in the Middle School.
Site Evaluation: DiNisco presented a Site Evaluation Matrix which was reviewed and will be updated with the committe's input for the May 24th meeting.

7. Community Outreach Efforts

A "Community Forum" was scheduled for Monday, May 14th at 7:00 PM at the High School Auditoroum to hear residents voice their opinions concerning the school(s). DiNisco to issue flyer announcing the forum, to be published in local paper, Gary Reese to post to schools and project website. DiNisco will organize an online survey to get a better sence of the what the

8. Invoices and Commitments

Discussion

The following invoices were submitted for approval:
NV5 Invoice #86789 $10,230.00

Motion: Motion by Walter Helliesen, seconded by Joan Liporto to approve the invoice. The motion passed unanimously.

9. Other Business

There was no other business.

10. Public Comment

There was no public comment.

11. Adjournment

The meeting was adjourned at 6:00 PM.

These meeting minutes were prepared by NV5. Please notify NV5 within 48 hours of receipt of this document regarding any required corrections or clarifications.

Amesbury Elementary School Building Committee (AESBC)

Date:	Thursday, May 24, 2018
Location:	
Time:	4:30 PM
Next Meeting:	6/28/2018 at 3:30 PM

	Name	Association/Title	Affiliation
N	Kenneth Gray	Mayor of Amesbury, Chair	(AESBC)
Y	Peter Hoyt	Amesbury School Committee	(AESBC)
Y	Gary Reese, Ed.D.	Superintendent of Schools	(AESBC)
Y	Joan Liporto	Director of Business & Operations	(AESBC)
Y	Walter Helliesen	Principal, Amesbury Elementary School	(AESBC)
Y	Joe McMilleon, Councilor	City Councilor	(AESBC)
N	Norm Fredette	School Facilities	(AESBC)
Y	Laurie McAllister	CES Teacher	(AESBC)
Y	Cristin Chabot	AES Teacher	(AESBC)
Y	Bruce McBrien	AES Teacher	(AESBC)
N	Brendon Sullivan	Parent / Community Member	(AESBC)
N	Monique Griffin	Parent / Community Member	(AESBC)
N	John Donnell	Community Member	(AESBC)
N	Jim Queenan	AES Teacher	(AESBC)
Y	Kyle Jacques	AES Teacher	(AESBC)
Y	Donna DiNisco	Principal/DiNisco Design	(DiNisco)
N	Gary Aisnlie	Principal/DiNisco Design	(DiNisco)
Y	Angel Khazadian	Project Manager / DiNisco Design	(DiNisco)
Y	Caulen Finch	Project Architect / DiNisco Design	(DiNisco)
Y	Tom Murphy	Project Executive / NV5	(NV5)
Y	Robert Juusola	Project Director / NV5	(NV5)
Y	Tim Baker	Assistant PM / NV5	(NV5)

Discussion

1. Call to Order

The Amesbury Elementary School Building Committee (AESBC) Meeting was called to order at 4:30 PM.

2. Meeting Minutes

NV5 distributed the meeting minutes from the prior meetings held on April 26, 2018.

Motion: Motion by Walter Helliesen, seconded by Joan Liporto to approve the meeting minutes. The motion passed unanimously.

3. Design Team Presentation

Discussion

The DiNisco Design team presented an update of the May 14, 2018 Community Forum. DiNisco shared survey results. Survey was available to the general public through the Amesbury School Website and DiNisco Design's Facebook and Twitter pages as advertised at the Community Forum. DiNisco reported that the survey results indicate that their in no strong community preference on grade reconfiguration ((2) k-4 Schools to (1) Pre-k - 2 & (1) 3-5) or considering alternative sites for the new school. DiNisco stated their concerns that the current Amesbury Elementary School site may not be able to fit construction of a new school while operating AES during construction. DiNisco added that the site required further investigation before making a final recommendation to the committee.

The Project Team and the Superintendent are scheduling a time to share the same presentation with teachers to solicit their feedback. DiNisco stated that reaching out to the educators was a common comments received from the Community Forum survey.

Mr. Helliesen highlighted other issues stated during the Community Forum including: the importance of neighborhood school, the desire to keep Kindergarten classes together, and a positive reception to having (1) Pre-k - 2 & (1) 3-5). DiNisco stated that the issue of "Neighborhood Schools" should be discussed at greater detail on the next Community Forum, which is tentatively scheduled for 6/11 in the Amesbury High School Auditorium.

The DiNisco Design team presented an update of the study including Educational Programming & Grade Configuration and Site options. DiNisco is in contact with MSBA to discuss proposed capacity at Cashman which appears over estimated at 480 students. DiNisco Design and the Superintendent stated that the MSBA is in agreement that the Cashman can only support 18 classrooms. DiNisco will update the committee on further communications with the MSBA.

DiNisco is reviewing the property deed for use restrictions, etc and they will update the committee on their progress.

4.	**Design / Construction Schedule**

DiNisco stated that they would want to narrow down the potential design options before the next Community Forum. DiNisco recommended that Option #1 should be removed from consideration by the committee since it was cause major disruption to the school and would not achieve the educational goals for the District. Especially, since the MSBA favors the 5th grade moving down from and that the Middle School principal has stated that he move the alternative program back to the Middle School. DiNisco also does not recommend Option #3, which is a new school on the Cashman site next to the existing Cashman School, due to site constraints that would not be to support an additional school on the Cashman site.

NV5 and DiNisco agreed that the project should not submit the Preferred Schematic Report until the Fall, which would allow for an additional Community Forum once School resumes in the Fall. The Preliminary Design Program will be brought before the Committee at the July meeting to be approved for submittal to the MSBA. The Preferred Schematic Report will need to be submitted by the October 16, 2018 deadline to be on the agenda for December 12, 2018 MSBA board meeting. With MSBA approval, the project will then enter the Schematic Design phase of the project.

5.	**Project Meeting Schedules**

Discussion

WORKING GROUP: A Working Group, headed by Supt Dr. Gary Reese as main contact, will gather input from faculty and staff and facilities personnel who will advise Dr. Reese. Dr. Reese will present information to the full AESBC for approval/action. Meetings to be held bi-weekly on Thursdays at 9:00-11:00 AM with Dr. Reese, DiNisco Design, NV5 and invited guests. Next meeting July 12, 2018 at 9:00 at Supt Office.
BUILDING COMMITTEE: The Amesbury Elementary School Building Committee (AESBC) will meet monthly on the 4th Thursday of each month at 4:30 PM, except for Summer Meetings which will be held at 3:30 PM. Next meeting will be June 28 at the Amesbury High School Media Center.
School Committee Meeting: The SBC will meet with the School Committee on June 4th to update them on progress to date.
NV5 will send meeting maker for all meetings.

6. Next Steps in the Feasibility Study/Schematic Design Phase

DiNisco commented that the next steps in the Feasibility Study/Schematic Design Phase will be to continue discussions with the MSBA to confirm enrollment projections and look at grade configurations for both Amesbury Elementary School And Cashman Elementary School. DiNisco stated that the next steps would be approve further investigations of the existing Amesbury Elementary School site and the Woodsom site. DiNisco brought an amendment for approval by the committee during the Invoices and Commitments agenda item. DiNisco presented the (2) Education Programs to be submitted to the MSBA, highlighting that the only difference is the grade configurations that are being considered by the project. The final Education Program will be submitted during the MSBA review period of the PDP.

7. Community Outreach Efforts

A "Community Forum" is scheduled for Monday, June 11th at 7:00 PM at the High School Auditorium to hear residents voice their opinions concerning the school(s). DiNisco to issue flyer announcing the forum, to be published in local paper, Gary Reese to post to schools and project website.NV5 will confirm that the Mayor is able to attend. DiNisco will create a second survey for the forum. Mr. McBrien stated that the video has uploaded to the Amesbury Community Television Website. DiNisco stated that the survey from the first Community Forum can continue to be circulated around the committee. NV5 stated that the Project will update the School Committee on the Community Forum at their next meeting.

DiNisco inquired about additional methods of advertising the Community Forum in addition to the Amesbury Community Television, The Daily News of Newburyport, and online. Mr. Hoyt stated the flyer should be posted on the rotary bulletin board in the Town Hall parking lot. Mr. McBrien said posting banners at the intersection of Route 110/150. Mr. Reese stated he would contact the DPW about the posting the signs. Mr. McBrien also mentioned the library as another location. Mr. Hoyt stated that placing a status update in the Daily News of Newburyport. DiNisco mentioned that the Amesbury Public Access asked for members of the Project Team and educators would come on a program to discuss the project.

8. Invoices and Commitments

Invoices

The following invoices were submitted for approval:

NV5 Invoice #88270 - $10,230.00
Dinsco Design Invoice #8869 - $33,333.00

Discussion

Motion: Motion by Peter Hoyt, seconded by Gary Reese to approve the invoice. The motion passed unanimously.

Commitments

The following commitments were submitted for approval:

1. Reimbursable Expense Authorization Request – RE 01 $ 5,500.00 Fixed
Phase I – Environmental Site Assessment (ESA)
MSBA Cost Classification Code 0003-0000 Environmental and Site

2. Reimbursable Expense Authorization Request – RE 02 $ 32,213.50 Fixed
Traffic Consulting Services
MSBA Cost Classification Code 0003-0000 Environmental and Site

3. Reimbursable Expense Authorization Request – RE 03 $ 16,500.00 Fixed
Preliminary Geotechnical Consulting Services
MSBA Cost Classification Code 0003-0000 Environmental and Site

4. Reimbursable Expense Authorization Request – RE 04 $ 21,120.00 NTE
Existing Conditions Surveys
MSBA Cost Classification Code 0003-0000 Environmental and Site

5. Reimbursable Expense Authorization Request – RE 05 $ 10,450.00 NTE
Wetland Consulting Services
MSBA Cost Classification Code 0003-0000 Environmental and Site

Motion: Motion by Peter Hoyt, seconded by Joe McMilleon to approve the invoices. The motion passed unanimously.

9. Other Business

DiNisco requested that the Committee Vote of recommending the (2) Ed Plans to be brought before the School Committee for Approval to be included in the Preliminary Design Program.

Motion: Motion by Walter Helliesen, seconded by Joe McMilleon to recommend the (2) Ed Plans to be brought before the School Committee for Approval to be included in the Preliminary Design Program. The motion passed unanimously.

10. Public Comment

There was no public comment.

11. Adjournment

The meeting was adjourned at 6:00 PM.

These meeting minutes were prepared by NV5. Please notify NV5 within 48 hours of receipt of this document regarding any required corrections or clarifications.

Date:	Thursday, June 28, 2018
Location:	
Time:	3:30 PM
Next Meeting:	7/26/2018 at 3:30 PM

	Name	Association/Title	Affiliation
Y	Kenneth Gray	Mayor of Amesbury, Chair	(AESBC)
Y	Peter Hoyt	Amesbury School Committee	(AESBC)
Y	Gary Reese, Ed.D.	Superintendent of Schools (till 6/30)	(AESBC)
Y	Jared Fulgoni	Superintendent of Schools (7/1)	(AESBC)
N	Joan Liporto	Director of Business & Operations	(AESBC)
Y	Walter Helliesen	Principal, Amesbury Elementary School	(AESBC)
Y	Joe McMilleon, Councilor	City Councilor	(AESBC)
N	Norm Fredette	School Facilities	(AESBC)
N	Laurie McAllister	CES Teacher	(AESBC)
N	Cristin Chabot	AES Teacher	(AESBC)
Y	Bruce McBrien	AES Teacher	(AESBC)
N	Brendon Sullivan	Parent / Community Member	(AESBC)
Y	Monique Griffin	Parent / Community Member	(AESBC)
N	John Donnell	Community Member	(AESBC)
N	Jim Queenan	AES Teacher	(AESBC)
N	Kyle Jacques	AES Teacher	(AESBC)
Y	Donna DiNisco	Principal/DiNisco Design	(DiNisco)
N	Gary Aisnlie	Principal/DiNisco Design	(DiNisco)
Y	Angel Khazadian	Project Manager / DiNisco Design	(DiNisco)
Y	Caulen Finch	Project Architect / DiNisco Design	(DiNisco)
N	Tom Murphy	Project Executive / NV5	(NV5)
Y	Robert Juusola	Project Director / NV5	(NV5)
Y	Tim Baker	Assistant PM / NV5	(NV5)

Discussion

1. Call to Order

Mayor Gray, Chairperson of the Amesbury Elementary School Building Committee (AESBC), called the meeting to order at 3:34 PM.

2. Meeting Minutes

NV5 distributed the meeting minutes from the prior meetings held on May 24, 2018.

Motion: Motion by Peter Hoyt, seconded by Joe McMilleon to approve the meeting minutes. The motion passed unanimously.

3. Community Forum Update

Discussion

Swift911 calls were issued to Amesbury Community Members to encourage more community involvement in the 6/11 Community Forum. There was portion of attendees who opposed utilizing the Woodsom property as the site for the new School. Mr. McMilleon informed the committee that there was a resolution to be considered at the next City Council Meeting to keep the Woodsom Property. Mr. McMilleon stated that this was a non-binding resolution. Mr. McMilleon requested a (1) page update on process and schedule to be presented at the City Council Meeting. Mr. McMilleon continued by stating that members of the conservation board had voiced their objection to the Woodsom site. Mayor Gray stated that these members should recuse themselves, since they have shown bias. Mr. Hoyt stated that site chosen should be in the best educational interests of the Amesbury Students and fact based process. Other committee member voiced their support for Mr. Hoyt's statement. DiNisco reiterated that the Woodsom site would be ideal for a PreK-2 configurations rather then a K-5 configuration.

4. Educational Program/Site Options Update

DiNisco provided an update on discussions with the MSBA regarding Student Enrollment. DiNisco was still awaiting a formal response from the MSBA and would hopefully update the committee at the July Meeting.

DiNisco gave a presentation updating the Committee on their investigation of proposed site options. DiNisco reviewed the current AES site and stated that there was a greater presence of wetlands on the existing field portion of the property then originally anticipated, which will constrain the footprint of the new school. Existing field space on the site would need to be replicated. DiNisco presented the various zoning regulations concerning wetlands and potential options to better maximize the site. DiNisco stated that building a new K-5 school on the existing AES site would be difficult and would lead to disruptions to operations at the current AES School. DiNisco stated that there would be little to no staff parking. Various site were discussed by the committee, including an abandoned car dealership located near the existing site that could be used for Staff Parking. Mayor Gray also indicated that the City was reviewing other potential site and more details would presented after review. DiNisco stated that they would revisit the Cashman site. Mayor Gray stated that Education should be the driving force of Grade Configuration.

5. Project Meeting Schedules

WORKING GROUP: A Working Group, headed by new Amesbury Superintendent Jared Fulgoni, as main contact, will gather input from faculty and staff and facilities personnel who will advise Mr. Fulgoni. Mr. Fulgoni will present information to the full AESBC for approval/action. Meetings to be held bi-weekly on Thursdays at 9:00-11:00 AM with Dr. Reese, DiNisco Design, NV5 and invited guests. Next meeting July 12, 2018 at 9:00 at Supt Office. Mayor Gray will also be in attendance.
BUILDING COMMITTEE: The Amesbury Elementary School Building Committee (AESBC) will meet monthly on the 4th Thursday of each month at 4:30 PM, except for Summer Meetings which will be held at 3:30 PM. Next meeting will be July 26 at the Amesbury High School Media Center.
School Committee Meeting: The SBC will meet with the School Committee on July 2nd to update them on progress to date. The SBC will meet with the City Council on July 10th to update them on progress to date.
NV5 will send meeting maker for all meetings.

6. Next Steps in the Feasibility Study/Schematic Design Phase

DiNisco commented that the next steps in the Feasibility Study/Schematic Design Phase will be to

Discussion

continue discussions with the MSBA to confirm enrollment projections and look at grade configurations for both Amesbury Elementary School And Cashman Elementary School. at grade configurations for both Amesbury Elementary School And Cashman Elementary School.

7. Invoices

Invoices

The following invoices were submitted for approval:

NV5 Invoice #91409 - $10,230.00
Dinsco Design Invoice #8882 - $33,333.00

Motion: Motion by Peter Hoyt, seconded by Joe McMilleon to approve the invoice. The motion passed unanimously.

9. Other Business

There was no other business.

10. Public Comment

There was no public comment.

11. Adjournment

The meeting was adjourned at 4:45 PM.

These meeting minutes were prepared by NV5. Please notify NV5 within 48 hours of receipt of this document regarding any required corrections or clarifications.

Date:	Thursday, July 26, 2018
Location:	
Time:	3:30 PM
Next Meeting:	7/26/2018 at 3:30 PM

	Name	Association/Title	Affiliation
Y	Kenneth Gray	Mayor of Amesbury, Chair	(AESBC)
Y	Peter Hoyt	Amesbury School Committee	(AESBC)
Y	Jared Fulgoni	Superintendent of Schools (7/1)	(AESBC)
Y	Joan Liporto	Director of Business & Operations	(AESBC)
Y	Walter Helliesen	Principal, Amesbury Elementary School	(AESBC)
Y	Joe McMilleon, Councilor	City Councilor	(AESBC)
N	Norm Fredette	School Facilities	(AESBC)
Y	Laurie McAllister	CES Teacher	(AESBC)
Y	Cristin Chabot	AES Teacher	(AESBC)
Y	Bruce McBrien	AES Teacher	(AESBC)
N	Brendon Sullivan	Parent / Community Member	(AESBC)
Y	Monique Griffin	Parent / Community Member	(AESBC)
N	John Donnell	Community Member	(AESBC)
N	Jim Queenan	AES Teacher	(AESBC)
N	Kyle Jacques	AES Teacher	(AESBC)
Y	Donna DiNisco	Principal/DiNisco Design	(DiNisco)
N	Gary Aisnlie	Principal/DiNisco Design	(DiNisco)
Y	Angel Khazadian	Project Manager / DiNisco Design	(DiNisco)
N	Caulen Finch	Project Architect / DiNisco Design	(DiNisco)
N	Tom Murphy	Project Executive / NV5	(NV5)
Y	Robert Juusola	Project Director / NV5	(NV5)
Y	Tim Baker	Assistant PM / NV5	(NV5)

Discussion

1. Call to Order

Mayor Gray, Chairperson of the Amesbury Elementary School Building Committee (AESBC), called the meeting to order at 3:30 PM.

2. Meeting Minutes

NV5 distributed the meeting minutes from the prior meetings held on June 28, 2018.

Motion: Motion by Peter Hoyt, seconded by Joe McMilleon to approve the meeting minutes. The motion passed unanimously.

7. Invoices

Invoices

The following invoices were submitted for approval:

NV5 Invoice #94349 - $10,230.00
DiNisco Design Invoice #8906 - $26,666.00
DiNisco Design Invoice #8907 - $8,030.00

Motion: Motion by Peter Hoyt, seconded by Joe McMilleon to approve the invoices totaling $44,926.00. The motion passed unanimously.

4. Educational Program/Site Options Update

Discussion

DiNisco provided an update on discussions with the MSBA regarding Student Enrollment. DiNisco was still awaiting a formal response from the MSBA. The MSBA indicated that were reconsidering the District student population projections from 855 total students to 930. DiNisco continued with a Feasibility Study update presentation to the Committee. DiNisco reviewed the different Grade Configurations. DiNisco stated that Scheme 3 and Scheme 5 provided the best educational benefit to the students of Amesbury. The Amesbury School Committee will be voting on preferred Grade Reconfiguration at their 08.06.18 meeting.

DiNisco presented the results of the Community Survey, conducted by the Town of Amesbury, to gain public input regarding site selection of the new school. Mayor Gray stated that DiNisco has resumed studying the Cashman site. Mayor Gray requested a Motion to direct DiNisco not to spend any further time or money on Woodsom site investigations based on Feedback received from the Community Survey and Community Forums. Mr. Hoyt stated the importance of Community Consensus around the project. Other members of the Committee shared their support for removing Woodsom from consideration.

MOTION: Mr. McMilleon made a motion to direct DiNisco not to spend any further time or money on Woodsom site, seconded by Mr. Hoyt, and the vote was unanimous.

DiNisco completed their Presentation by presenting updated early site plans and building layout for the new school on two sites under consideration. DiNisco stated that they would revisit the Cashman site to conduct further investigations. Members inquired if the Police and Fire had been consulted on the plans and if the Design team had met with the conservation commission. DiNisco replied that meetings with Police and Fire would occur in (Schematic Design) the next phase of the project. DiNisco will be meeting with the Conservation Commission on 8/06 to discuss the ANRAD submission.

5. Project Meeting Schedules

WORKING GROUP: A Working Group, headed by new Amesbury Superintendent Dr. Fulgoni, as main contact, will gather input from faculty and staff and facilities personnel who will advise Dr. Fulgoni. Mr. Fulgoni will present information to the full AESBC for approval/action. Meetings to be held bi-weekly on Thursdays at 9:00-11:00 AM with Dr. Fulgoni, DiNisco Design, NV5 and invited guests. Next meeting August 12, 2018 at 9:00 at Supt Office. Mayor Gray will also be in attendance.
BUILDING COMMITTEE: The Amesbury Elementary School Building Committee (AESBC) will meet monthly on the 4th Thursday of each month at 4:30 PM, except for Summer Meetings which will be held at 3:30 PM. Next meeting will be August 26 at the Amesbury High School Media Center.
School Committee Meeting: The SBC will meet with the School Committee on 8/6 to update them on progress to date. The SBC will meet with the Conservation Commission on 8/6 to update them on progress to date.
NV5 will send meeting maker for all meetings.

6. Next Steps in the Feasibility Study/Schematic Design Phase

DiNisco commented that the next steps in the Feasibility Study/Schematic Design Phase will be to continue discussions with the MSBA to confirm enrollment projections and look at grade configurations for both Amesbury Elementary School And Cashman Elementary School. Grade configurations for both Amesbury Elementary School And Cashman Elementary School.

9. Other Business

There was no other business.

Discussion

10. Public Comment

There was no public comment.

11. Adjournment

The meeting was adjourned at 4:45 PM.

These meeting minutes were prepared by NV5. Please notify NV5 within 48 hours of receipt of this document regarding any required corrections or clarifications.

Date:	Thursday, August 23, 2018
Location:	Amesbury High School Library
Time:	3:30 PM
Next Meeting:	9/27/2018 at 3:30 PM

	Name	Association/Title	Affiliation
Y	Kenneth Gray	Mayor of Amesbury, Chair	(AESBC)
Y	Peter Hoyt	Amesbury School Committee	(AESBC)
Y	Jared Fulgoni	Superintendent of Schools (7/1)	(AESBC)
N	Joan Liporto	Director of Business & Operations	(AESBC)
N	Walter Helliesen	Principal, Amesbury Elementary School	(AESBC)
N	Joe McMilleon, Councilor	City Councilor	(AESBC)
Y	Norm Fredette	School Facilities	(AESBC)
Y	Laurie McAllister	CES Teacher	(AESBC)
Y	Cristin Chabot	AES Teacher	(AESBC)
Y	Bruce McBrien	AES Teacher	(AESBC)
Y	Mark Roccogrande	Parent / Community Member	(AESBC)
N	Brendon Sullivan	Parent / Community Member	(AESBC)
Y	Monique Griffin	Parent / Community Member	(AESBC)
N	John Donnell	Community Member	(AESBC)
N	Jim Queenan	AES Teacher	(AESBC)
N	Kyle Jacques	AES Teacher	(AESBC)
Y	Donna DiNisco	Principal/DiNisco Design	(DiNisco)
N	Gary Aisnlie	Principal/DiNisco Design	(DiNisco)
Y	Angel Khazadian	Project Manager / DiNisco Design	(DiNisco)
N	Caulen Finch	Project Architect / DiNisco Design	(DiNisco)
N	Tom Murphy	Project Executive / NV5	(NV5)
Y	Robert Juusola	Project Director / NV5	(NV5)
Y	Tim Baker	Assistant PM / NV5	(NV5)

Discussion

1. Call to Order

Mayor Gray, Chairperson of the Amesbury Elementary School Building Committee (AESBC), called the meeting to order at 3:30 PM.

2. Meeting Minutes

NV5 distributed the meeting minutes from the prior meetings held on July 26, 2018.

Motion: Motion by Peter Hoyt, seconded by Mark Roccogrande to approve the meeting minutes. The motion passed unanimously.

Discussion

7. Invoices

Invoices

The following invoices were submitted for approval:

NV5 Invoice #97299 - $10,230.00
DiNisco Design Invoice #8933 - $26,666.00
DiNisco Design Invoice #8934 - $9,688.53
DiNisco Design Invoice #8935 - $2,365.00

Motion: Motion by Jared Fulgoni, seconded by Peter Hoyt to approve the invoices totaling $48,949.53 The motion passed unanimously.

4. Educational Program/Site Options Update

DiNisco provided an update on discussions with the MSBA regarding Student Enrollment. The project received a response from the MSBA. The MSBA indicated that were reconsidering the District student population projections from 855 total students to 930. NV5/DiNisco provided the MSBA enrollment process. The MSBA will vote at their August 29, 2018 Board Meeting to move the Project from Feasibility to Eligibility for the enrollment conversation. The MSBA Board will vote, at their October 31, 2018 meeting, to return the project to Feasibility. The City, NV5, and DiNisco will meet with the MSBA on August 31, 2018 to begin the enrollment conversation. The Project Team is still anticipating opening the new School for the 2022-2023 School year.

NV5/DiNisco updated the Committee on the 8/6 School Committee vote on the Grade Configuration to be submitted to the MSBA in the PDP Submission. The School Committee voted to have the grade configuration at the New School Pre-K - 2, which would return the 5th Grade from the Middle School to Cashman. This Grade Configuration would allow more space at the Middle School, Cashman's student population would be a better "fit" for the existing building, and all Pre-K students would be at one (1) location. Committee members thought a "Fact Sheet" should be created for Distribution outside the Community Forum for members of the community who are unable to attend the Community Forum.

The design team will study construction cost in order to present estimates to the residents. Mark Roccogrande cautioned the team not to under estimate the cost of hazardous materials (asbestos, etc) removal from the building and required disposal.

DiNisco continued their Presentation by presenting updated, existing conditions, early site plans and building layout for the new school on both AES and Cashman sites. DiNisco stated that they would revisit the Cashman site to conduct further investigations. Committee Members agreed that a School on the Cashman site would add much needed parking for Community Events held at Woodsom Farm. P. Hoyt stated the importance of Student Safety when designing a School. The Project Team agreed and DiNisco stated that they have a Safety and Security Consultant as part of the Design team. DiNisco stated they want to potentially reduce the street side of the building to reduce the impact on neighbors. DiNisco updated the Committee on the status of the ANRAD submission for AES, that the Conservation Commission has requested a peer review to determine the extent of the wetlands on the site. The ANRAD for the Cashman site will be submitted 8/24/18. The next hearing with the Conservation Commission will be September 17th at 6:30 at City Hall.

Discussion

5.	**Project Meeting Schedules**

WORKING GROUP: A Working Group, headed by new Amesbury Superintendent Dr. Fulgoni, as main contact, will gather input from faculty and staff and facilities personnel who will advise Dr. Fulgoni. Mr. Fulgoni will present information to the full AESBC for approval/action. Meetings to be held bi-weekly on Thursdays at 9:00-11:00 AM with Dr. Fulgoni, DiNisco Design, NV5 and invited guests. Next meeting September 06, 2018 at 9:00 at Supt Office. Mayor Gray will also be in attendance.
BUILDING COMMITTEE: The Amesbury Elementary School Building Committee (AESBC) will meet monthly on the 4th Thursday of each month at 3:30 PM. **A special meeting will be held September 13, 2018 at the Amesbury High School Media Center to approve the PDP for submission to MSBA.**
School Committee Meeting: TBD
NV5 will send meeting maker for all meetings.

6.	**Next Steps in the Feasibility Study/Schematic Design Phase**

DiNisco commented that the next steps in the Feasibility Study/Schematic Design Phase will be to continue discussions with the MSBA to confirm enrollment projections. This will allow the Project to move Forward and Submit the PDP and PSR to the MSBA. The Project will then move forward into the Schematic Design Phase.

9.	**Other Business**

There was no other business.

10.	**Public Comment**

There was no public comment.

11.	**Adjournment**

The meeting was adjourned at 5:23 PM.

These meeting minutes were prepared by NV5. Please notify NV5 within 48 hours of receipt of this document regarding any required corrections or clarifications.

Date:	Thursday, September 27, 2018
Location:	Amesbury High School Library
Time:	3:30 PM
Next Meeting:	9/27/2018 at 3:30 PM

	Name	Association/Title	Affiliation
Y	Kenneth Gray	Mayor of Amesbury, Chair	(AESBC)
Y	Peter Hoyt	Amesbury School Committee	(AESBC)
Y	Jared Fulgoni	Superintendent of Schools (7/1)	(AESBC)
Y	Joan Liporto	Director of Business & Operations	(AESBC)
N	Walter Helliesen	Principal, Amesbury Elementary School	(AESBC)
N	Joe McMilleon, Councilor	City Councilor	(AESBC)
N	Norm Fredette	School Facilities	(AESBC)
Y	Laurie McAllister	CES Teacher	(AESBC)
Y	Cristin Chabot	AES Teacher	(AESBC)
N	Bruce McBrien	AES Teacher	(AESBC)
Y	Mark Roccograndе	Parent / Community Member	(AESBC)
N	Gretchen Marinopoulos	School Committee Member	(AESBC)
N	Monique Griffin	Parent / Community Member	(AESBC)
N	John Donnell	Community Member	(AESBC)
N	Jim Queenan	AES Teacher	(AESBC)
N	Kyle Jacques	AES Teacher	(AESBC)
Y	Donna DiNisco	Principal/DiNisco Design	(DiNisco)
N	Gary Aisnlie	Principal/DiNisco Design	(DiNisco)
Y	Angel Khazadian	Project Manager / DiNisco Design	(DiNisco)
Y	Caulen Finch	Project Architect / DiNisco Design	(DiNisco)
Y	Tom Murphy	Project Executive / NV5	(NV5)
N	Robert Juusola	Project Director / NV5	(NV5)
Y	Tim Baker	Assistant PM / NV5	(NV5)
Y	Steven Stanganelli	Member of the Public	(Public)

Discussion

1. Call to Order

Mayor Gray, Chairperson of the Amesbury Elementary School Building Committee (AESBC), called the meeting to order at 3:30 PM.

2. Meeting Minutes

NV5 distributed the meeting minutes from the prior meetings held on August 23, 2018.

Motion: Motion by Peter Hoyt, seconded by Jared Fulgoni to approve the meeting minutes. The motion passed unanimously.

7. Invoices & Commitments

Invoices

The following invoices were submitted for approval:

NV5 Invoice #99425 - $10,230.00
DiNisco Design Invoice #8952 - $26,666.00
DiNisco Design Invoice #8953 - $16,500.00
DiNisco Design Invoice #8954 - $4,007.30
DiNisco Design Invoice #8955 - $6,035.50

Motion: Motion by Jared Fulgoni, seconded by Mark Roccograndе to approve the invoices totaling $63,438.80. The motion passed unanimously.

Commitments

Discussion

Motion: Motion by Jared Fulgoni, seconded by Peter Hoyt to approve the Contract Amendments #6, #7, #8, & #9 for DiNisco Design totaling $23,540.00 and to approve Budget Revision Request #1. The motion passed unanimously.

4. Educational Program/Site Options Update

Mayor Gray updated the Committee on the Enrollment Conversation with the MSBA and that the District is awaiting a formal letter from MSBA. DiNisco stated that there are Design Options that will meeting the educational program with the final enrollment number. The MSBA Board will vote the Project back into Feasibility at the October 31, 2018 meeting.

DiNisco continued the Presentation on the Design Options based on the School Committee's Grade Configuration vote at the August 6, 2018 meeting. This will be incorporated into Education Program to be submitted to the MSBA in the PDP Submission. The PDP is expected to be submitted to the MSBA on November 1, 2018.

DiNisco updated the Committee on the Conservation Commission's ANRAD review for the existing Amesbury Elementary School Site. The Conservation Commission determined that the wetlands are larger on the site then originally anticipated. DiNisco stated that this determination limits the viable options available on the existing site. The duration of construction would increase causing an increase to the overall Total Project Budget. J. Fulgani stated that the District would also encure costs by securing the Swing Space needed to house students during the occupied phased Construction on site. J. Fulgoni stated the District determined there is no available space large enough for the number of students. J. Fulgoni, that this option presents many operational concerns when the new School opens. P. Hoyt inquired if grades could be split between different locations similar to Cashman. The Project Team will evaluate if that is a viable options. DiNisco stated that the wetland constraints along with zoning constraints will create an imposing building that abutters may find unfavorable. J. Fulgoni stated this site presents many operational concerns when the new School opens. DiNisco will be meeting with the Conservation Commission to review the Cashman ANRAD on 10/4/18.

DiNisco stated that The Working Group met with Public Safety who will require a second driveway in addition to the existing Cashman driveway. Both Police and Fire submitted a letter in favor of creating the driveway utilizing a small portion of land on an abutting parcel already owned by the City. P. Hoyt stated that the abutters to the new driveway should be updated about the proposed plan. J. Liporto commented that the new grade configuration and adjacent buildings will be more efficient with the staggered start times of the new school. DiNisco will be meeting with the Conservation Commission to review the Cashman ANRAD on 10/4/18. B. McBrien inquired about the plan for the soccer and baseball fields. Mayor Gray stated he has been meeting with both group to discuss the project.

Mayor Gray presented the different bonding options for the City and the related cost to homeowners based on early, high-level cost estimates and the potential for the City vote. One committee member questioned why there were (2) different construction costs for each option. Mayor Gray stated that those were related to (2) different construction delivery methods that would presented to committee later in the process.

5. Project Meeting Schedules

Discussion

WORKING GROUP: A Working Group, headed by Amesbury Superintendent Dr. Fulgoni, as main contact, will gather input from faculty and staff and facilities personnel who will advise Dr. Fulgoni. Mr. Fulgoni will present information to the full AESBC for approval/action. Meetings to be held bi-weekly on Thursdays at 9:00-11:00 AM with Dr. Fulgoni, DiNisco Design, NV5 and invited guests. Next meeting is October 04, 2018 at 9:00 at Supt Office. Mayor Gray will also be in attendance.
BUILDING COMMITTEE: The Amesbury Elementary School Building Committee (AESBC) will meet monthly on the 4th Thursday of each month at 3:30 PM.
School Committee Meeting: TBD
NV5 will send meeting maker for all meetings.

6.	**Next Steps in the Feasibility Study/Schematic Design Phase**

DiNisco commented that the next steps in the Feasibility Study/Schematic Design Phase will be to continue discussions with the MSBA to confirm enrollment projections. This will allow the Project to move Forward and Submit the PDP and PSR to the MSBA. The Project will then move forward into the Schematic Design Phase.

9.	**Other Business**

There was no other business.

10.	**Public Comment**

There was no public comment.

11.	**Adjournment**

The meeting was adjourned at 5:25 PM.

These meeting minutes were prepared by NV5. Please notify NV5 within 48 hours of receipt of this document regarding any required corrections or clarifications.

AMESBURY SCHOOL COMMITTEE
SCHOOL COMMITTEE MEETING MINUTES
AMESBURY HIGH SCHOOL
July 9, 2018

Present at 7:00 p.m. were Mayor Gray, Chair; Deb LaValley, Peter Hoyt, Rob Chamberlain, Gretchen Marinopoulos, Amy Sherwood, Tim Kisieleski, Joan Liporto, and Jared Fulgoni, Interim Superintendent of Schools.

Absent was Ellie Costello, SAC Representative.

Amesbury Public Schools Mission Statement

The Amesbury School District is unconditionally committed to every child, ensuring that all students experience success through the development of attitudes and skills necessary for lifelong learning by providing the highest quality staff, meaningful learning experiences, and a vitally involved community.

I. CALL TO ORDER

Mayor Gray called the meeting to order at 7:05 PM and Mrs. Marinopoulos led the committee in the Pledge of Allegiance and read the Mission Statement aloud.

Motion by Ms. LaValley seconded by Mr. Hoyt, to take Item # V-B Ratification of Superintendent contract out of order. Vote: Yes, Unanimous.

With no further discussion on the contract a motion was made.

Motion by Mr. Chamberlain seconded by Mrs. Marinopoulos, to approve the contract, as presented, for the Interim Superintendent, Jared Fulgoni, effective July 2, 2018. Vote: Yes, unanimous.

II. COMMENTS BY VISITORS, DELEGATIONS

Nick Wheeler, District 4 councilor, spoke about the AES Building Project. Mr. Wheeler stated that City Councilors and Conservation Commissioners have voted (4-1) on the Woodsom Resolution Bill #2018-050, preserving Woodsom Farm as open land.

III. PRESENTATIONS AND ADMINISTRATIVE REPORTS

A. Presentation by Dinisco Design Partnership

Angel Dinisco presented the committee with a Power Point on the proposed Grade configurations for the AES building project, pointing out the following:

- Different configurations:
  - 5th grade moved to elementary level; PK – 5; PK – 2 AES / 3-5 CES;
- MSBA enrollment numbers are now 930 which is more reasonable then prior numbers
- Went over class sizes in AES and CES with the different configurations
- Went over the surveys that were put out to the public and teachers/staff
- The need for equality in both elementary schools

- Reviewed the time line for the project – not needing an approval from the committee for the grade configurations till August 6, 2018
- Looking at a 2022 opening of new school

Discussion:

- Looking to see the sites for the schools – Angel could not find them on this computer, but will get to the committee
- Need time to read and digest the 2 Proposed Grade Configuration that was presented before voting.
- Need to do another survey before the August 6th vote – the need to get the public educated on the project– get it on the website, Swift 911, Connect-Ed, social media. Possibly offer babysitting services with high school students
- Enrollment numbers – what changed? Took medium numbers and data and represented to MSBA – have the verbal approval, just waiting for the written approval.
- Work on equity – even DART website does not make CES & AES as "like" schools, children need same opportunities and experiences – long standing problem
- Appreciate the work that Dinisco has done
- Scheme 3 or 5 brings the 5th graders to the elementary level – exciting opportunity
- If configuration PK-2/3-5 goes through – Lower grades would be at AES location and upper grades at CES location.
- Advantages to both configurations – need to get the word out and not rush with a decision
- 2015-2016 started this project – end of the day – voters will decide on the money part.

IV. COMMUNICATION

A. Student Advisory Council – Ellie Costello

Ellie was absent – no report

B. Other

None

V. ITEMS FOR APPROVAL OR EARLY CONSIDERATION

A. Approval of Minutes: 06/04/18 06/18/18

Motion by Ms. LaValley, seconded by Mrs. Marinopoulos, to accept the School Committee minutes dated June 4, 2018. *Discussion: Mrs. Sherwood corrected her statement regarding the overnight field trip to Disney – take out "does not support" replace with "has concerns with"* ***Vote: Yes, Unanimous.***

Motion by Mr. Hoyt, seconded by Ms. LaValley, to accept the School Committee minutes dated June 18, 2018. Vote: Yes, Unanimous.

B. Ratification of Superintendent Contract

Item voted to move up to beginning of meeting

C. Policy Second Reading – IIB: Class Size Policy

Motion by Mr. Hoyt, seconded by Ms. LaValley, to accept Policy – IIB: Class Size as presented as a second reading. Vote: Yes, Unanimous.

D. Budget – FY19

Mr. Chamberlain stated that they met prior to this meeting. Mr. Fulgoni will be meeting with the individual principals to see where their needs are before approving anything on the budget. The one line item that was approved was hiring a Bio-Chemistry Science Teacher for the high school, a state mandated position. The estimated cost to fill this position will be $87,000 which included the benefit package. Also discussed at Finance was Transportation savings, need for para-professionals and 4th grade teacher for CES.
Mr. Fulgoni spoke about setting benchmarks, Special Education Director savings (not starting till August), end with a balanced budget.
Mayor Gray spoke about meeting every month regarding the budget. Ms. LaValley stated the need to possibly call a special meeting.

E. Approval of Warrant: 06/30/18 $366,945.56

Motion by Mr. Hoyt, seconded by Ms. LaValley to accept the Warrant dated June 30, 2018 in the amount of $366,945.56. Vote: Yes, Unanimous.

VI. INFORMATION ITEMS

A. **Subcommittee Reports**

1. **Curriculum Subcommittee – Gretchen Marinopoulos**
   Mrs. Marinopoulos stated they have not met. Will be meeting with Mr. Fulgoni regarding setting dates.

2. **Finance/Budget Subcommittee – Rob Chamberlain**
   Mr. Chamberlain stated they met this evening discussing the budget, nothing more to report

3. **Policy Subcommittee – Peter Hoyt**
   Mr. Hoyt stated they will be meeting July 30th

4. **Personnel Subcommittee – Amy Sherwood**
   Mrs. Sherwood stated they have not met.

5. **Joint Education Subcommittee – Deb LaValley**
   Ms. LaValley stated they have not met, waiting for the new Superintendent to be on board.

6. **Building and Grounds Subcommittee – Tim Kisieleski**
   Mr. Kisieleski stated they have not met, but does have some issues to discuss

7. **AES School Building Committee – Peter Hoyt**
   Mr. Hoyt stated he has nothing further to report - next meeting will be July 26, 2018 at 3:30.

VII. FUTURE MEETINGS AND AGENDA ITEMS

Mrs. Sherwood spoke about setting a date for School Committee retreat. After a brief discussion, Helen will be sending out some possible dates to meet and the committee members will respond to her.

VIII. EXECUTIVE SESSION

To comply with, or act under the authority of, any general or special law or federal grant-in-aid (Chapter 76, Section 12) and to conduct strategy sessions in preparation for negotiations for collective bargaining.

IX. ADJOURNMENT

Motion by Mayor Gray to adjourn the regular School Committee meeting at 8:02 and go into Executive Meeting.
Roll Call Taken: Mayor Gray, Yes; Deb LaValley, Yes; Peter Hoyt, Yes; Rob Chamberlain, Yes; Gretchen Marinopoulos, Yes; Amy Sherwood, Yes; Tim Kisieleski, Yes.

Respectfully Submitted,

Gretchen Marinopoulos

Gretchen Marinopoulos, Secretary

APPROVED

CONSERVATION COMMISSION MEETING MINUTES

August 6th, 2018 at 6:30 p.m.

(Posted in accordance with the provisions of MGL Ch. 39, Sec. 23A, as amended)

62 Friend Street
Amesbury, MA 01913

Attendance: Adrienne Lennon, Kinsey Boehl, Suzanne Egan, & Alan Corey
Also in attendance: Conservation Agent John Lopez & Recording Secretary Barbara Foley
Absent: Mary Parisella
Transcription by: Kristen Eldredge

Kinsey Boehl calls the August 6th, 2018 Conservation Commission meeting to order at 6:31pm

ABUTTER

Ray Gorman of *28 Haverhill Road Amesbury MA* addresses the Commission members to ask general questions about the following topics;

About a month prior to the meeting the head of the public works department (Robert Desmarias) sent the Conservation Agent an email regarding an environmental silt barrier in front of the abutter's house that lives next to the Amesbury Heights. The abutter cannot cut his grass, and he is afraid of the consequence of moving the barrier himself but he would like permission in writing.

Conservation Agent John Lopez replies that this silt barrier was in support of the sidewalk installation to help catch run off from the project, and he does remember speaking with the DPW director about the removal of it. The project is complete and John had given the authorization to move the erosion control and it is the DPW's responsibility. John states that if the speaker would like to remove it there would be no violation to any order of conditions. John agrees to send the DPW director and Amesbury Heights a letter stating that it is okay to be removed.

Ray Gorman then brings up the issue of "*J braking*" and there are issues with drivers doing this on the ramps going 70 miles per hour.

Kinsey Boehl states that any type of noise violation is not under the jurisdiction of the Conservation Commission or suggests speaking with the company owner's that employ the drivers.

Ray Gorman is requesting a sign to stop the J Braking.

Adrienne Lennon states that the City Counsil has a subcommittee "traffic and transportation" that would be the appropriate committee to request the signs that he is looking for.

Ray Gorman lastly brings up animal waste and its disposal within a jurisdictional area; his concerns are that there are upwards of 50 dogs dropping waste within 100 feet of the wetlands nearing Bailey's Pond. He wants to know if there is a distance restriction to prevent run off.

Adrienne Lennon states that if the abutter was able to provide an address for the location that the dogs are using then she would be able to appropriately contacting the property owner to put a stop to it.

Kinsey Boehl also suggests contacting the Amesbury Health Department.

Administrative:

Adoption of Document Review Process	*Amesbury Conservation Commission*

Kinsey Boehl states that he has drafted a memo responding to the letter sent from the Mayor of Amesbury regarding a change in the practices of the Conservation Commission, this document includes 9 options for process changes and the Commission members have already implemented option # 6 that includes the second Thursday after a Conservation Commission meeting making the documents available to sign within the office.

- Adrienne Lennon asks Kinsey Boehl to amend that memo to clearly identify what the Commission had settled on so it can be posted on the website for applicant's and Commission members alike.

A motion to adopt option #6 from the proposed Document Review Process memo to have the Commission members batch sign paperwork on the second Thursday following a Conservation Commission meeting is made by Adrienne Lennon and seconded by Alan Corey AIF (4)

Expired Ooc and Request for Special Meeting	*60 Merrimac Street (Smith)*

Conservation Agent John Lopez reviews the expired Ooc and request for Special Meeting, after the order of conditions expired in May of 2018. An email has been received from MassDEP regional administration requesting that all regulated activates on site come to a halt. This will require a submission of a new notice of intent with abutter notifications, legal notice, and a public hearing. The applicant's representative is here tonight to provide an update to the Commission. John then points out that there are non

regulated activities occurring on site and this was cleared and confirmed with DEP. Some of the activities can continue if the applicant uses a piece of machinery with an articulated platform to raise and lower construction material.

- David Kelley of *Meridian Associates* addresses the Commission members regarding the expired order of conditions; he states that there was some confusion with an amended order for the project that occurred in the fall of that year and they assumed that they had until fall of 2018 to request an extension, but the original order was issued in May of 2015. They are prepared to file for a new order of conditions before the end of this week or early next week. They are seeking a special meeting to allow work to continue and get back on schedule.

- Suzanne Egan asks when the filing deadline for the September meeting to which Adrienne Lennon replies that the deadline is August 27th, 2018. Suzanne then asks the applicant's representatives are prepared to have the application completed and submitted two weeks before the special meeting that they need so the Commission can review.

- David Kelley states that they are awaiting a few signatures on the order of conditions but he believes that they are able to get everything submitted before the two week deadline for the special meeting.

- David Kelley adds that when they were moving earth fill they found conditions that they did not completely anticipate that would require an amendment to the order of conditions for some minor adjustments to the river walk. This new notice of intent will include those modifications to the river walk.

- John Lopez adds that this project is subject to an endangered species review which would take 30 days to complete, and as well as a DEP file, so if the Commission did schedule a special meeting, they will at least be able to start the hearing without those requirements.

- Adrienne Lennon states that they would not be able to approve anything without those requirements and it would need to be continued to September 17th, 2018 anyway.

- David Kelley states that his experience with natural heritage they do turn around comments within 2 to 3 weeks and his good relationship with them could get it done sooner, along with the DEP filing number that could be obtained within a week or two. They are not timely on their response comments.

- Alan Corey states that if they need to postpone the meeting because they have not received the requirements then they would know ahead of time and can cancel the meeting.

APPROVED

The Commission members agree to meet on Wednesday August 29th, 2018 at 7:00pm for a special meeting to hold the public hearing.

A motion to hold a special meeting on Wednesday August 29th, 2018 at 7:00pm to hear the DEP file # 002-1111 60 Merrimac Street, request for certificate of compliance and pending NOI filing. In the event that all documentation is not submitted they meeting will be canceled is made by Adrienne Lennon and seconded by Suzanne Egan AIF (5)

Transfer of Open Space	*Locke Hill Lane (Couillard)*

Conservation Agent John Lopez briefs the Commission on the topic from last month's meeting, there was a discrepancy on wither or not there was proper documentation submitted by applicant for the transfer of property from the applicant to the City of Amesbury to serve as open space or conservation land. This was pursuant to a Planning Board agreement and the documentation was supposed to be submitted by December of 2016. A representative from the Amesbury Trails initiated this inquiry, and after reviewing the records there has been no documentation submitted by the applicant. The Commission had received a request for information from a municipal council women and she was deferred the request to the Director of Energy and Environmental Affairs who consulted with the City Clerk and the Assessor's office who also confirmed that no documentation was received. Then an email was set to the applicant informing him that his presence was requested at this meeting and he responded stating that he was unable to attend.

- Kinsey Boehl states at the last meeting there was a discussion of putting an enforcement action for the applicant.
- John Lopez states that after reviewing the order of conditions there was no reference to the submission of the deed being a requirement.
- Kinsey Boehl states that this may become a Planning Board issue.
- Suzanne Egan asks if the documents that were submitted to the Planning Board a part of the NOI that was issued, because if they were then all of that information that was before the Planning Board would have been incorporated with the order of conditions.
- Kinsey Boehl states that their conditions state that all permitting have to be approved by all Boards and Committees.
- John Lopez states that he is unable to answer the Commission's questions because he is unsure.

- Kinsey Boehl asks if the Planning Board is interested in enforcement on this issue.

- Conservation Agent John Lopez states that he does not believe that the City's Planner has the legal ground to pursue this from a legal standpoint.

- Adrienne Lennon states that to her understanding the Planning Board still holds a performance bond and she is not aware that it has been released at this time for that project. She believes that the performance bond pertains to road management and sidewalks and they do have some traction in this matter.

- Suzanne Egan states that at the last meeting a Commission member had stated that the developer had submitted a deed, and she asked if that was not accurate.

- John Lopez states that they were unable to find any such deed.

A motion to continue the public hearing for transfer of open space Locke Hill Lane to the September 17th, 2018 Conservation Commission meeting is made by Adrienne Lennon and seconded by Suzanne Egan AIF (4)

Expired OoC 002-1087	*Outstanding Items- Point Shore Meadows (Saba)*

Conservation Agent John Lopez reviews the expired order of conditions that expired several months prior to this meeting. This was brought to his attention by the environmental monitor from Stantec. The applicant was informed and he is here tonight to brief the Commission on how it happened. John Lopez states that Michael Leech from Stantec drafted an itemized memo with outstanding items within the order of conditions that were not yet done. These items cannot be done until a new notice of intent is submitted and approved, those would include installation of granite bounds, construction of a bridge, and also a submission for a request for a certificate of compliance. The applicant feels bad about this and assumes responsibility and asks to speak on the issue tonight.

- Rick Saba *Developer for Point Shore Road* addresses the Commission regarding the expired order of conditions; he apologizes if there has been any inconveniences' to them regarding this topic. He states that they have left the granite bounds and bridgest that John had mentioned that was left to do in the buffer zone and it is all hand work that needs to be done.

- Joe Basamara from Ranger Engineering Design & LLC addresses the Commission members on behalf of Rick Saba for Point Shore Road; he states that all Rick has left is the building of lots # 3 and 4. The whole subdivision is done and the only work that the Commission has to worry about is landscaping and the trail that he has to show to the open space. The fence is already installed and the Stantec review comments seem minor and they are planning on doing exactly

what they recommend which will include an amended notice of intent. He is there tonight to answer any questions that they may have.

- Kinsey Boehl states that the granite bounds being installed is specific to the Commission's order of conditions, what happens if those are not complete.

- John Lopez states that a request for a certificate of compliance will need to be submitted to close out the expired order of conditions and then the outstanding work would be sited within the request for the certificate of compliance as work not completed. The applicant then would get a certificate of compliance, but they would not get a certificate of compliance for the second order of conditions. They require that the amended order of conditions is submitted before they can issue a partial certificate of compliance.

- Adrienne Lennon states that the applicant will have to come back with a notice of intent with the outstanding items as referenced by Stantec in the email change from Monday July 30th, 2018 for the next hearing and then the Commission will be able to issue a certificate of compliance for the expired order of conditions at the next hearing.

Enforcement Order	*79 High Street (Desmarias/City of Amesbury)*

Conservation Agent John Lopez addresses the Commission members on behalf of the enforcement order stating that the applicant's representative is here tonight to proposal a new landscaping plan for the site.

- Bob Prokop of Wetlands Consulting addresses the Commission regarding the proposed planting plan; he states that a revised planting plan has been submitted that would include planting in the buffer zone 6 river birch trees, 9 red osier dogwood bushes, and 6 elderberry bushes. The plan has a simple maintenance plan to try and control the black locust and he provides a handout that describes the controlling of the black locusts.

- Adrienne Lennon asks if there is a narrative attached with the planting plan to include how the applicant will go about planting these trees and what medium they are going to plant them in. The soil out there is not nutrient rich.

- Bob Prokop states that saplings will be planted at 25 foot intervals and between those 25 foot intervals the wetland shrubs will be planted 3 to 4 feet apart. Mowing around that area will be done during normal park maintenance.

- Suzanne Egan asks what the Commission will be acting on. John Lopez replies states that the Commission will need to mend the enforcement order to improve

the implementation of the proposed plan by a date certain. He recommends November 15th, 2018.

- Suzanne Egan agrees and adds that there should be a report in 2 years time to make sure that they are documenting the viability to the plantings.

- Adrienne Lennon adds that she would like to see specific soil types included in the narrative for the project. Any failed plants within the 2 year time span will need to be replaced.

A motion to amend the enforcement order for *79 High Street (Desmarias/City of Amesbury)* to approve the implementation of the proposed plan by November 15th, 2018 is made by Suzanne Egan, with the requirements that after a 2 year period documentation is to be provided to the Commission stating the viability of the plantings, a revised project narrative be provided to the Commission that will include the specific soil types for the project, and any and all failed plants will be replaced after that 2 year span. Adrienne Lennon seconds this motion AIF (4)

Continued Business:

NOI (002-1201)	***185 Kimball Road Request to continue to September 17th***

Conservation Agent John Lopez states that he has some comments before the Commission accepts their request to continue. He informs the Commission that a peer review was approved only for the review of the delimitation of the wetland boundaries. Since then, the project has changed considerably and the Conservation Commission agreed at the applicant's request to defer a storm water and engineering review that would be conducted only by the Planning Board's engineer. The Planning Board's engineer has conducted his review and had provided some recommendations and the applicant has responded with storm water management techniques. But what was supposed to remain as a plain dirt road is now a paved road with a lot of storm water management. The applicant was reminded two meetings ago that a waiver request is necessary to remove a number of trees because it is within 25 feet of a wetland. Our consultant was at the previous meeting and stated that they had not responded to the latest peer review comments as of May 2018. The project is continuously getting more complicated. At this point the Commission should reconsider their approach and ask for a peer review pursuant to the wetlands act. This review would conduct an inventory of any projects or proposals that would require a waiver and just to conduct a review under the wetlands act. A storm water review from the Planning Board is also different from that of the Conservation. At this time there has not been a review for the volume of storm water and how it will impact jurisdictional resourse. The Commission has been supplied with a peer review proposal if they wish to engage their consultant.

- Kinsey Boehl states that he would be comfortable with perusing a peer reviewer because of the way that the project has evolved.

- Conservation Agent John Lopez states that the applicant is in a disagreement with the City deeming the resource area around the property as being a drinking water resource for the City of Amesbury.

A motion to engage Mill River Consulting as a 3rd party reviewer for the jurisdictional resource area questions related to the project, public drinking supply resource area questions, and storm water management for NOI 002-1201 185 Kimball Road is made by Adrienne Lennon and seconded by Suzanne Egan AIF (4)

A motion to continue the public hearing for NOI 002-1201 185 Kimball Road to the September 17th, 2018 Conservation Commission meeting is made by Adrienne Lennon and seconded by Suzanne Egan AIF (4)

NOI (002-1204)	*Lake Attitash Alum Treatment Plan*

Conservation Agent John Lopez states that a few months back the Conservation Commission had requested that a draft order of conditions be written and provided to the Commission for review and approval. All of the requested conditions have been included and the draft was circulated to the Commission and he recommends approval as amended.

- Kinsey Boehl states that the Commission has discussed this topic at length and he is ready to approve.

A motion to issue an order of conditions for NOI 002-1204 Lake Attitash Alum Treatment Plan is made by Adrienne Lennon and seconded by Alan Corey AIF (4)

A motion to close the public hearing for NOI 002-1204 Lake Attitash Alum Treatment Plan is made by Adrienne Lennon and seconded by Alan Corey AIF (4)

New Business:

RCoC 002-1096	*127 Kimball Road (Scimone)*

Conservation Agent John Lopez addresses the Commission on behalf of the request for a certificate of compliance; this request comes in support of an OoC issued on 12.14.15 and re-issued on 2.24.16 for the demolition of an existing single family house and the construction of a new single family house within the same general location. There are no outstanding issues unless the Commission has any issues to discuss.

A motion to issue a certificate of compliance for 002-1096 127 Kimball Road is made by Adrienne Lennon and seconded by Suzanne Egan AIF (4)

APPROVED

Request for OoC Extension 002-1126	*54 Pleasant Valley Road (Chapin)*

Alan Corey recues himself due to living in proximity of the project site.

Conservation Agent John Lopez briefs the Commission in regards to the request for the order of conditions extension; The request for an extension comes in support of an OoC issued on 8.31.2015 for renovations to an existing singly-family home including the replacement of a garage; deck; portion of driveway and stairway; addition of a mudroom; and brick path. The approved project is located within riverfront area associated with the Merrimack River; buffer zone to a tidal marsh; buffer zone to riparian bank; and within Bordering Land Subject to Flooding. All approved work is within the existing footprint of the home and driveway. A flood storage compensation area is provided within a landscaped area at the western end of the lot. Order will expire on 9.4.18 and the applicant was notified to submit a request for continuance within the time frame. He is here tonight to make that request.

- Matt Chapin of 54 Pleasant Valley Road (owner) addresses the Commission on his request for an extension; they are requesting an extension to try and save some money and to save time for the Conservation Commission to just come back with an amendment to the original plan with any changes.

- Kinsey Boehl asks when the date was for the original application, to which Matt Chapin replies that they filed on August 20th, of 2015.

- Adrienne Lennon confirms that the renovations included the existing garage, a dock, a portion of the driveway and a stairway with a new mud room and an attached garage with a living space above it. All within river front area associated with the Merrimac River and a buffer zone to the fresh water marsh, and within bordering land subject to flooding.

- Adrienne Lennon states that they should give the applicant 3-6 months to work through any other ideas for amendments to the NOI file.

- Kinsey Boehl recommends granting a 3 year extension.

- Suzanne Egan states that she would recommend giving a 2 year extension.

- Adrienne Lennon states that since some of the work has been done, and she does not want an open order of conditions and on going work. This is a problem that the Conservation Commission has had in the past.

A motion to grant an extension for 54 Pleasant Valley Road (Chapin) until 09/15/2020 is made by Suzanne Egan

Conservation Agent John Lopez states that an extension of the permit does not extend the issuance date. So it would still be extended two years in addition to whatever date it was originally granted.

- Adrienne Lennon corrects Suzanne Egan by stating that the application filing was done on 09/04/2015.

- Matt Chapin states that they are not looking to take advantage of an open NOI, but it takes a long time after living in a home to decide what needs to be changed.

- Adrienne Lennon states that she would like to see this NOI closed out and a new NOI issued for any changes and modifications.

- Matt Chapin suggests providing a built per plan stamp by the engineer so the Commission has some assurance that it was all done per the plan.

- Adrienne Lennon states that it would help if that was provided.

- Suzanne Egan amends her motion;

A motion to extend the order of conditions for 54 Pleasant Valley Road (Chapin) until 09/04/2020 with the condition that the applicant submit a plan by 09/04/2019 is made by Suzanne Egan

- Adrienne Lennon states that she would like to see the as-built plans by the next scheduled Conservation Commission. They will not take it up at the next meeting but they can confirm at the next meeting that they saw these.

- Kinsey Boehl and Suzanne Egan state that they do not think that that is fair.

A motion to extend the order of conditions for 54 Pleasant Valley Road (Chapin) until 09/04/2020 with the condition that the applicant submit a plan by 09/04/2019 is made by Suzanne Egan and is seconded by Adrienne Lennon AIF (4)

RDA 002-XXXX	*33 Mill Street (Brown)*

Conservation Agent John Lopez briefs the Commission members on the RDA; Proposal is to conduct grass moving operations and remove woody vegetation on the property on-site. The property is a contaminated waste site as designated by MA DEP. The intent of the proposed site work is to prepare the location for remediation. No roots are proposed for removal and no excavation/grubbing is proposed. Vegetation would be trimmed to allow for survey work to proceed allowing ten to 20 test borings to take place measuring three feet in depth. The borings would be to collect soil samples for analysis. A mini-excavator would be used when hand borings would be appropriate. Borings would be filled immediately following the sample collection. The footprint of each borings would be a few square feet according to the applicant. No cumulative impacts to jurisdictional areas are anticipated.

- Brian Snow from Giant Engineering addresses the Commission, stating that they are seeking a negative determination.

- Kinsey Boehl asks if any trees or other ground work will be done on the property.

- Brian Snow replies that the current scope is to remove the woody vegetation to the extent that they have to, at some points on the property that will mean taking out a shrub or a tree. They are trying to make use of limited remediation funds so they can meet the standards with how much material needs to be removed, that may be decided with anywhere from 1 to 3 feet.

- Kinsey Boehl asks if the long term goal would be to remove the surface layer.

- Brian Snow replies that the next phase would involve grading the property into squares that are manageable.

- Conservation Agent John Lopez states that he blieves it is important for the Commission to inquire about the nature and extend of the samples and if there is a boundary set up for this sampling. Essentially will the applicant be able to determine the edge of the sediment to determine the amount of contamination.

- Brian Snow states that in 2014 the applicant filed an eligible person's status with the Massachusetts Department of Environmental Protection and that status is related to the current owner not having caused or contributed to the release conditions of the site, which allows them to do less delineation with regards to the soil. The State only sticks them with what is on their property and the responsibility does not extend into the street. According to MassDEP the abutting sites have some concentrations of metals in surface soils as well.

- John Lopez requests that the Commission considers conditions this negative determination to require the applicant's representative to submit a proposed time line for this being taken place.

- John Lopez recommends that the property owner to maintain the site in a manicured manner and not to allow the grass to grow in excess of 4 inches and to now allow any woody vegetation to repopulate the site. He also recommends a DEP filing sign for the site.

- Kinsey Boehl states that he agrees that they need to maintain the lot, but he does not know if they can enforce conditions during an RDA.

- John Lopez states that it is an enforceable item. Once the order of conditions is issued those conditions could be added.

- Kinsey Boehl and Suzanne Egan agree that it would be a nice condition for the abutters to the property but the Commission should not enforce that type of work.

- Brian Snow states that his current plan for a time frame is to start this delineation plan as soon as they have approval; they would like to get this done before the end of 2018. He adds that it is 2-3 days worth of work total.

- Tom Barrasso *Director of Energy and Environmental Affairs for the City of Amesbury* addresses the Commission members on behalf of this project; he states that they are very happy to see that there is work being proposed on this site and they are in favor of making sure that the negative determine so that the grass is cut and the trees are cut down. He wants the Commission members to understand that this site is composed up of two different types of soils including surface soils (as discussed) that contain metals and manufactured gas plant waste which is beneath the surface.

- Kinsey Boehl asks what the monitoring techniques would be for this site.

- Tom Barrasso replies that there is enough data already that shows where the metal is located. Samplings within the public streets would be necessary to confirm the edge of that and what the depth is. They then will be able to figure out if it is migrating at all.

- Kinsey Boehl asks if the sampling plan is adequate for the City's risk. Tom replies that he believes what is proposed are just dealing with the top layer of the metals in the soil. He agrees that DEP has deemed that they will not be influencing the properties that are abutting it so that is why they have not paid for additional sampling.

- Kinsey Boehl asks if Tom believes they should request a more intrusive sampling plan, Tom replies that he does not believe that the Conservation Commission has jurisdiction to request but he believes they should give a negative determination of applicability for what is being proposed today.

- Brian Snow states that there has been a phase 2 submitted to DEP and they have not rejected phase 2 yet. There are other contaminant issues that are not material to this particular filing so they are not included in this summary.

- Kinsey Boehl states that he is in favor of a negative determination after the discussion.

APPROVED

Adrienne Lennon makes a motion to issue a negative determination of applicability for RDA 33 Mill Street (Brown) under the conditions that a sign measuring 2 feet by 3 feet reading ACC-002-33 shall be installed and made visible from the public way during the duration of work and that the timeline of work be completed from the date of issuance and December 31st, 2018 and this motion is seconded by Alan Corey AIF (4)

RDA 002-XXXX	*Lower Millyard Project 16 & 22 Water St.*

Conservation Agent John Lopez briefs the Commission members on behalf of the RDA. The applicant is proposing to conduct sampling within a riverfront area to support a historic fill as defined by MassDEP to assist the site for contaminated urban fill.

- Tim Snay of *Ransom Consulting* addresses the Commission on behalf of the City of Amesbury; they are planning on characterizing the fill on the property because it has had very little investigation as of now. The new technology being used is incremental sampling method which is meant to reduce sampling biased. They will be using a small geoprobe rig to take the samples and it will not do much disturbing to the site.

- Adrienne Lennon asks what the timeline for the sampling and is there a plan for closing the parking lot for traffic.

- Tim Snay states that at this point it will be a two day effort for sampling and it will require two staff members from Ransom Consulting. They will be working with the City to block off enough spaces in the parking lot for the work.

- Adrienne Lennon states that if the parking lot needs to be closed they are able to do so, they just ask that the proper steps to notify the public are taken before hand.

- Suzanne Egan asks if this methodology is accepted by the DEP. To which Tim Snay replies that it is accepted by the DEP.

- Suzanne Egan states that the testing will eliminate biased, but their position is it will not need an ALU on the site. Tim Snay confirms this.

- Kinsey Boehl asks what the depth of sampling is at the site, and Tim Snay replies that they will be sampling to 4 feet and in other parts of the site they will go down 15 feet for ground water samples.

Adrienne Lennon makes a motion to issue a negative determination of applicability for RDA filing *Lower Millyard Project 16 & 22 Water St.* under the conditions that a sign measuring 2 feet by 3 feet reading ACC-002-16-22 shall be installed and made visible from the public way *that* the timeline of work be completed from the date of issuance and December 31st, 2018 and this motion is seconded by Alan Corey AIF (4)

APPROVED

ANRAD 002-XXXX	*24 S. Hampton Rd. (Gray/City of Amesbury)*

Conservation Agent John Lopez briefs the Commission; The Abbreviated Notice of Resource Area Delineation is in support of proposed wetland delineation on a 14 acre tract of municipal property. Resource areas in question include a proposed intermittent stream along the northerly edge of the site and Bordering Vegetated Wetland. In addition, a proposed intermittent stream across the South Hampton Road from the site would be within 100 feet of the site. This was also delineated.

- Fred King of *DGT Associates* addresses the Commission on behalf of the applicant; he states that the wetlands in this area are quite difficult because it is an altered wetland. Essentially when they built the school back in the 1960's the front portion of the site was farm land but it was also a wetland. The soils under the ball field are wetlands so they had scraped off the top soil because of the base material below it not being organic it are a clay soil down below. The objective of this ANRAD is to survey the site for the potential installation of a new school. The wetlands have been flagged at the end of May – July of 2018 and they have filed the ANRAD to start nailing down the wetland line.

- Fred King states that he reached out to Jillian Davis regarding a peer review and she has given a proposal for the peer review and they are fine with it. They are looking forward to meeting her on the site to show what has been found already.

- Kinsey Boehl asks if there are any abutters or representatives from the School Department looking to speak tonight.

ABUTTERS

John Richardson of Rowel Street, Amesbury MA (directly behind the school's playground) addresses the Commission; he states that his whole yard is a wetland because the whole hill is filled with springs and gullies that have caused problems for him for almost 15 years. He states that all surrounding areas of the property are an issue currently and asks if Fred King has reviewed those areas.

-Fred King replies that they have reviewed the entire area to determine the wetlands on the site, but not all of the wetlands have been flagged at this time. They are only interested at this time to flag the wetlands that will effect the proposed development.

-Suzanne Egan states that if they are proposing this ANRAD for the entire site but they will not delineate the entire site how will that be shown within that plan.

-Fred King replies that the plan shows the developable portion of the site, no portion of this project will travel up this hill.

-Adrienne Lennon States that there is an issue with finding a third party reviewer to confirm the wetlands delineation on the entire parcel as the ANRAD application has been submitted because it will not depict the delineation entirely on the plan. The third party representative is going to

come back with significantly more delineation because she does not know the scope and location of the potential site.

-John Lopez states that the third party reviewer would walk the line with the applicant's representative and the review would be limited to those lines proposed.

Glenn Richmond of 34 South Hampton Road addresses the Commission members on behalf of the project; he states that there have been many guarantees from the Commission over the years regarding work that will be done at the top of the hill behind the school to get rid of the mosquitoes but that has lead to more flooding on their property. He would like to have guarantees that whatever is done going forward will not further erode his property.

-Adrienne Lennon states that the sewage easement that is on Glenn's property is the responsibility of the City of Amesbury and the City owns the parcel behind Glenn's property. She confirms with the applicant that when it comes to storm water protection plans the Commission will be considering his property as a standard process of review as the project moves forward.

-Kinsey Boehl states that the DPW may need to visit the abutter's site to fix any clogged storm water drains that may be affecting the site.

Elizabeth Doboc of 36 South Hampton Road addresses the Commission members on behalf of the project; she confirms that there are many issues in regards to the ditch and lack of maintenance of the coverts surrounding the site. She shows the Commission members that she has photographs showing the amount of water that sits on the site at different points throughout the year.

A motion to engage a third party review from BSC Jillian Davis pursuant to the Massachusetts Wetland Protection Act and the Amesbury Wetlands ordinance to confirm the line as proposed or amended for 24 South Hampton Road Amesbury MA is made by Adrienne Lennon, stating that the peer review should include a review of streams to confirm their status and intermittent, only include the scope of work as referenced by Fred King and that the Commission will receive an amendment to their plans as filed to clearly identify that not all wetlands are being reviewed on the site at this time. In addition the Commission would like Jillian Davis to comment on development of previously disturbed soils and what her recommendations in the past have been to the Amesbury Conservation Commission with regards to previously disturbed soil so the Commission can be sure that they are making consistent decisions across the City of Amesbury in projects that are being worked on with regards of that type of resource area. This motion is seconded by Suzanne Egan AIF (4)

A motion to continue the public hearing for 24 S Hampton Road Amesbury MA to the September 17th, 2018 Conservation Commission meeting is made by Adrienne Lennon and seconded by Alan Corey AIF (4)

Request for Amended OoC 002-1026	*282 Elm Street- Retail Site*

Conservation Agent John Lopez briefs the Commission; this request for an Amended OoC is pursuant to an order issued by the ACC on 8.20.12 and extended to 8.20.18. The order approves the construction of a retail facility consisting of a 6,650 square foot retail facility with 22 parking spaces. Grading for the retail facility will include development of a modular retaining wall along the west edge of the site in order to restrict site grading into the 25-

foot no-disturb buffer zone and to allow additional buffer plantings to occur in these areas. The site will include development of bio-retention area which will receive runoff from the building rooftop, and the site will additionally include porous pavement as the storm water treatment BMP. The storm water management system design and analysis are provided in the attached site plan set and drainage calculations provided by W.C. Comment Engineering, Inc.

- Denis Hamel from Cammet Engineering addresses the Commission members on behalf of the applicant; he states that they are seeking a minor modification to the site plan, and they had received that determination from the Planning Board last week as well. The changes are all within the original footprint and there was a reduction of pervious area by 788 square feet.

- Kinsey Boehl states that he would entertain the approval with the addition of a couple of comments; he did not see the plans reflect an itemized list of changes from the approved plan and how those changes relate to the order of conditions that was approved by the Commission.

- Denis Hamel states that everything is in the same space but is different in size. All of the impacts of the previous project are the same except for the slight decrease of the pervious area.

- Kinsey Boehl states that those changes need to be documents in the packet submitted.

- Suzanne Egan asks when the project was originally approved and proposed. Alan Corey replies that it was 2012.

- Suzanne Egan adds that they would need the applicant to return to the Commission with a plan that shows the difference with what was approved and what is currently being proposed on one sheet.

- Denis Hamel states that his site plan does show the differences between the two locations but that was not included in the submittal to the Commission before tonight's meeting.

A motion to continue the public hearing for 282 Elm Street- Retail space to the September 17th, 2018 Conservation Commission meeting is made by Adrienne Lennon with the request that new documentation be submitted specifically outlining a plan that represents the previously approved plans by the Conservaton Commission and an overlay with the new recommended amendments and a narrative with bullet points of amendments and how they speak to the important parts of the original negotiations regarding storm water management and the motion is seconded by Suzanne Egan. AIF (4)

APPROVED

NOI 002-1215	*1 Moncrief Avenue*

Conservation Agent John Lopez addresses the Commission regarding the notice of intent; Proposed activities include the development of two single family house lots (Lots 1 and 2), and one duplex lot (Lot 3). Work on future Lot 3 is proposed within 100 feet of a bordering vegetated wetland (BVW) and as such is the subject of this Notice of Intent (NOI). In addition, work on future Lot 4 proposes a stormwater BMP to accommodate roadway improvements on Moncrief Street which will be upgraded to provide frontage for the new lots. The existing end of Moncrief Avenue would be improved, extended, and paved with upgrades including two catch basins and a storm water water quality swale / basin (BMP). The storm water swale proposed includes a sediment fore bay, and water quality swale with an emergency spillway. The application includes the construction of a duplex house, infiltration chamber for roof runoff, grading, driveway, utilities connection, and grading within the buffer zone to the BVW. In addition the storm water BMP associated with the existing end of Moncrief Street upgrade would be within 100 feet to the BVW is included here. Erosion control consisting of staked, trenched silt fence and staked hay bales will be placed between all construction / grading activities and the wetland boundary and will be inspected and maintained as needed throughout the construction process.

- Patrick Secamp of Secamp *Environmental Consulting* addresses the Commission members on behalf of the applicant; he has flagged the wetlands and the proposal is to develop 3 lots along Moncrief Street and preserver the wetlands on the back portion of the street. He has submitted a wetlands delineation report along with the NOI filing packet for review as well. They are proposing a turn around that does not encroach into the buffer zone and this is the most environmentally friendly way to handle the buffer zone.

- Adrienne Lennon states that there were abutters who sent in their concerns about the storm water being directed towards their property, so to be aware of that while proposing the plan.

- Patrick Secamp states that they need to treat the water and release it and currently the water all sheds off of the end of Moncrief Street without any treatment. So their conditions will be an improvement so it will be directed towards the bottom of Moncrief.

- Suzanne Egan states that as Moncrieft Street is today is not shown on the plan. (The plan shows the modifications that are proposed).

- Matt Steinell from Millennium Engineering addresses the Commission on behalf of the applicant; he answers the Commission's questions stating that the proposed modifications will make the street wider and shorter.

- Suzanne Egan states that the creation of the lots will create run off of storm water that the street does not currently have, so they are creating the need to contain it.

- Matt Steinell states that they are proposing catch basins and structures that will direct water into the storm water management system. It would not discharge into the wetlands unless there was a 100 year storm. The intent for normal storm events the water would seep into the group naturally by being caught in the basins. This system may catch more water to eliminate more from running into neighboring yards.

- Kinsey Boehl states that the proposal here would affect the wet meadow over time because of the structures and retention basins.

- Patrick Secamp states that the meadow is a result of being at the bottom of a slope. He does not see any way that this area can be affected because it is fed by ground water.

- Kinsey Boehl suggests a third party review.

ABUTTERS

Maria Wilkins addresses the Commission on behalf of her mother's property located on Moncrief Street (lot #8), she states that her mother is currently trying to sell her property and hopes that construction and project size does not negatively affect the sale of her home. She states that after speaking to the applicant's representatives it will not affect the wetness or salability on the lot.

Adrienne Lennon makes a motion to engage Mill River Consultants as a third party reviewer for the State and local wetlands laws, storm water management plan and the resource area location and impacts for 1 Moncrief Street. This motion is seconded by Suzanne Egan AIF (4)

A motion to continue the public hearing for 002-1215 1 Moncrief Street to the September 17th, 2018 Conservation Commission is made by Adrienne Lennon and seconded by Suzanne Egan AIF (4)

Minutes:

July 9th, 2018

A motion to approve the draft July 9th, 2018 Conservation Commission meeting minutes is made by Adrienne Lennon and seconded by Alan Corey AIF (4)

A motion to close the August 6th, 2018 Conservation Commission meeting is made by Adrienne Lennon and seconded by Alan Corey AIF (4)

AMESBURY SCHOOL COMMITTEE
SCHOOL COMMITTEE MEETING MINUTES
AMESBURY HIGH SCHOOL
August 6, 2018

Present at 7:00 p.m. were Mayor Gray, Chair; Deb LaValley, Peter Hoyt, Rob Chamberlain, Gretchen Marinopoulos, Amy Sherwood, Tim Kisieleski, Joan Liporto, Ellie Costello, SAC Representative and ~~Dr. Gary Reese~~ Jared Fulgoni, Superintendent of Schools.

Amesbury Public Schools Mission Statement

The Amesbury School District is unconditionally committed to every child, ensuring that all students experience success through the development of attitudes and skills necessary for lifelong learning by providing the highest quality staff, meaningful learning experiences, and a vitally involved community.

I. CALL TO ORDER

Mayor Gray called the meeting to order at 7:03 PM and Mrs. Sherwood led the committee in the Pledge of Allegiance and read the Mission Statement aloud.

II. COMMENTS BY VISITORS, DELEGATIONS

Twelve community members spoke regarding the grade configuration that is on the agenda tonight for a vote from the school committee. These twelve members were made up of parents, retired teacher, teachers, community members, city councilor. They were all in favor of keeping the same model while bringing grade 5 back to the elementary level (PreK – 5). The following are some of their concerns/statements and thoughts:

- Keep neighborhood schools
- Families not broken up
- Getting rid of AES, would result in a lot of waste
- Student/teacher relationships
- No data comparing the two configurations (Pre-5) (Prek-2 – 3-5)
- Concerns with the process
- Felt it was already a done deal
- With split grades (preK-2, 3-5) – lack of self-esteem; more anxiety; no relationships; not as much support; no consistent experiences
- Survey showed 47% vs. 42% not a major landslide
- Kids are vulnerable
- Base decision on the needs of the students not the structure of the building (old vs. new)
- NV5 (project managers) should be presenting – they are the experts
- Consistent environment
- Either configuration will end up with an old and new building
- Would like a delay on the vote to get more information/data

At this time, the School Committee members did not comment, awaiting the presentation of Dinisco Designs.

III. PRESENTATIONS AND ADMINISTRATIVE REPORTS

A. Superintendent's Report

Mr. Fulgoni, Interim School Superintendent, spoke about the following:

- Met with people of the community – very engaging
- August 14 from 4:00 – 7:00 there will be a clean up at CES with hamburgers and hot dogs served.
- August 27th first day for faculty and staff – will be sending out an agenda
- Perception is that teachers do not work during the summer months, they do work in getting everything ready. Thank you to the facilities crew for all of their hard work.

B. Presentation by Dinisco Design Partnership

Donna Dinisco, Walter Helliesen, AES Principal and Tom Murphy, NV5 will be collectively doing the presentation speaking on the following:

- Exciting times for Amesbury – a lot to be considered along the road
- Small community, but we are presently not neighborhood school, we are two large schools with boundaries in the center of town
- Equal learning experience for all – one elementary program housed in two buildings - been talking about new school since 2007
- Submit SOI to MSBA with educational goals – grade structure; equity; optimize grade configuration; flex grouping and spaces; accommodate enrollment changes; establish grade structures and relationships.
- Configuration consideration – Grade 5 to elementary; PreK to one or both schools; PreK – 2/ 3-5; K-5 in both; analysis of equity
- Community supports grade 5 back to the elementary
- If K-5 – then PreK would be at AES – space requirements are larger for PK & K with bathrooms in classroom . CES would have 430 to 390 students and AES would have 400 to 540 students – will have to redistrict.
- PK - 2 / 3 – 5 – benefits community; equity; enhance grade level learning; collaboration; same amount of students in each building (465); only one school transition; savings of staff; targeted PD times
- MSBA predicted enrollment for the district has gone from 855 to 930 – working with them
- What is best for Amesbury?
- Need to know who Amesbury is as a community before layout and placement of building will be
- Some people think process is backwards – we support MSBA
- Went over the MSBA schedule – design process after grade configuration has taken place – August 29, 2018 to October 30, 218 MSBA review; MSBA vote October 31, 2018; MSBA study (PSR) January 13, 2019; MSBA vote to proceed February 13, 2019.

Discussion:

- Mrs. Marinopoulos asked if no vote tonight, what will be impacted? Donna Dinisco said everything will be impacted. She went on to say that a one month postponement could be done, but would have an impact of getting all of the work done and all the information out to the public for the next step (2.5 months).

- Mrs. Marinopoulos asked if a delay of the vote was voted on, would that send a wrong message to MSBA? Donna stated that they have already asked them to relook at enrollment numbers, there might be consequences.
- Mrs. Marinopoulos asked if CES must house grades 3-5, or could they be housed at AES? Donna stated that CES is not a school for 480 students – space at CES is not conducive and does not support space guidelines.
- Ms. LaValley asked if PK-2/3-5 configuration is voted on, can MSBA do improvements on technology at CES? Donna stated that MSBA will not improve the technology at CES. Ms. LaValley asked if the timeline could be posted on the website.

IV. COMMUNICATION

A. Student Advisory Council – Ellie Costello

Ellie stated that she does not have a report.

C. Other

None

V. ITEMS FOR APPROVAL OR EARLY CONSIDERATION

A. Approval of Minutes:

Motion by Mrs. Marinopoulos, seconded by Mr. Hoyt to accept the School Committee minutes dated July 9, 2018. Vote: Yes, Unanimous.

B. Approval of Warrant: 06/29/18 $32,051.20

Motion by Ms. LaValley, seconded by Mr. Hoyt, to accept the Warrant dated June 29, 2018 in the amount of $32,051.20. Vote: Yes, Unanimous.

07/19/18 $90,037.45

Motion by Ms. LaValley, seconded by Mr. Kisieleski, to accept the Warrant dated July 19, 2018 in the amount of $90,037.45. Vote: Yes, Unanimous.

08/02/18 $166,015.14

Motion by Ms. LaValley, seconded by Mr. Chamberlain, to accept the Warrant dated August 2, 2018 in the amount of $166,015.14. Vote: Yes, Unanimous.

C. Grade Configuration

Mayor Gray asked if the committee would like to vote on the configuration this evening, or delay it.

- Ms. LaValley stated the need to have an identity – been talking about this for years, she is against a delay.
- Mr. Chamberlain stated he was okay with a delay, adding that it is unanimous that grade 5 will be returning to the elementary.
- Mr. Hoyt stated he is good with voting this evening.
- Mrs. Marinopoulos asked if PK – 2 could be in CES. She stated that one model is not better than the other; lots of data on smaller size; concern with technology in new building; worried about how to upgrade CES asking if we have a plan? Mayor Gray stated that three years ago the cost of construction was a lot lower

than it is now. This will be a burden on tax payers ($20 mil versus $35 mil). Mayor Gray spoke about the DIFF program which gave investors a tax break. At this point he stated that he does not have any answers with too many variables in the mix.

- Mrs. Sherwood stated that vote or no vote – need to move forward.

Motion by Mr. Hoyt second by Ms. LaValley, to vote on the grade configuration this evening. Vote: 5 yes; 2 opposed (Chamberlain and Marinopoulos) – motion is adopted.

Motion by Ms. LaValley second by Mr. Hoyt to vote on grade configuration PK-2/3-5.
Discussion: *Mrs. Sherwood thanked the public for being here, speaking, their emails and comments on social media. With the research not conclusive, she stated that she spoke with people and listened. Mrs. Sherwood stated that she felt both configurations can work (horizontal vs. vertical), either way kids will learn. Her concern is that this can divide us – it's about delivery and leadership – have to stick together. She stated that she will support either way but stating the lack of documentation from the building committee. Values – schools feel like a community – improve collaboration – limited transitions – mixed interactions with kids. Mrs. Sherwood concluded by stating she believes we will be OK – town is split – she supports K-5 configuration.*
Ellie Costello stated that coming into the high school as a freshman was an emotional change stated that most kids go home and cry the first day. She can not imagine being 7 and 8 years old and having to change schools. Need to stay with what is in place now.
Ms. LaValley stated that she has based her decision on students and the community. She went on to say how she has learned to think outside-the-box in the 19 years she has been on the board. Equity goes a long way. In looking at the needs of the community, financially and saving money a configuration of PK-2/3-5 makes the most sense.
Mr. Hoyt stated that he has thought long and hard about this decision – celebrating and applauding the community. He has based his decision on his personal experience and knowing that Amesbury has the highest quality educators. He has listened to his friends, colleagues and Dinisco Designs and an Early Childhood model puts children and community first.
Mr. Chamberlain thanked the community for their engagement on this issue. He has done research on K-8 configuration – aligns vertically – strengths for the K-5 model which is an important factor. Equity in management – no reason to make a change – stay status-quo.
Mrs. Marinopoulos stated that there is a greater impact in education to stay with the K-5 configuration which she supports.
Motion by Mr. Hoyt second by Ms. LaValley to continue the School Committee meeting beyond 9PM. Vote: Yes, unanimous.
Mr. Kisieleski stated that he does not have the background to support the configurations either way and has never had the personal experiences. He has received a lot of emails favoring both sides and has listened to Dinisco presentation, so with that, he is in support of the K-2/3-5 configuration.
Mayor Gray stated that this is a success for administration and teachers – the community is divided 47% to 41%. He is concerned with equity on who will go to the new school versus the old school. His vote is for the K-2/3-5.
Mrs. Sherwood spoke about having this "red flag" with no traffic survey, no money for CES, who makes decisions, and the financial impact.
Vote: 4 yes; 3 opposed (Chamberlain, Marinopoulos and Sherwood). Motion is adopted.

D. School Year Calendar

Mr. Fulgoni stated that the PRT day in June is an MCAS date, so he is asking for this PRT date to be moved to September 21, 2018.

Motion by Mr. Hoyt second by Mrs. Marinopoulos to accept the 2018-2019 school calendar as presented. Vote: Yes; Unanimous.

Ms. LaValley asked for the calendar to be updated on the website

E. Title I Policy – First Reading

Mr. Hoyt read the Title I Policy aloud. He is asking for the first reading to be waived in order for Ms. Jacques to work on Grants.

Motion by Mr. Hoyt second by Mr. Kisieleski to waive the first reading on Title I Policy. Vote: Yes, Unanimous.

Motion by Mr. Hoyt second by Mr. Kisieleski to adapt the AES Title I Policy as presented. ***Discussion:*** *Mr. Chamberlain asked if this is a new or changed policy. Mr. Fulgoni stated that there has never been a Title I Policy.* ***Vote: Yes, Unanimous.***

Motion by Mr. Hoyt second by Mr. Kisieleski to adopt the CES Title I Policy as presented. Vote: Yes, Unanimous.

VI. INFORMATION ITEMS

A. Subcommittee Reports

1. **Finance/Budget Subcommittee – Rob Chamberlain**

   Mr. Chamberlain stated that they met this evening discussing:
   - FY18 closed with no surprises
   - FY19 budget – Mr. Fulgoni spoke about getting quarterly reports
   - Priorities

2. **Policy Subcommittee – Peter Hoyt**

   Mr. Hoyt stated that they will be meeting in the new school year

Mr. Hoyt stated that the Building Committee will be meeting on Thursday, August 23rd at 3:30. Ms. LaValley asked why they meet so early? Donna Dinisco stated that it was not their decision. Mr. Helliesen stated that they agreed on that time so that educators could come to meetings after school hours.

VII. FUTURE MEETINGS AND AGENDA ITEMS

School Committee retreat will be this Wednesday from 4-8.

VIII. ADJOURNMENT

Motion by Ms. LaValley seconded by Mr. Kisieleski, to adjourn the meeting at 9:27PM. Vote: Yes, unanimous.

Respectfully Submitted,

Gretchen Marinopoulos

Gretchen Marinopoulos, Secretary

APPROVED

CONSERVATION COMMISSION SPECIAL MEETING MINUTES

September 17th, 2018 at 7:00 p.m.

(Posted in accordance with the provisions of MGL Ch. 39, Sec. 23A, as amended)

62 Friend Street
Amesbury, MA 01913

Attendance: Adrienne Lennon, Kinsey Boehl, Mary Parisella, Alan Corey, Suzanne Egan, and Stephen Duquett
Also in attendance: Conservation Agent John Lopez & Recording Secretary Kristen Eldredge
Transcription by: Kristen Eldredge

The September 17th, 2018 Conservation Commission meeting is called to order by Chairman Kinsey Boehl at 7:10pm

Administrative:

36 Haverhill Road –	Amesbury Heights, DEP#002-0936 - Request to Reduce Monitoring

Conservation Agent John Lopez briefs the Commission members in support of the applicant's request. The applicant is here tonight to brief the Commission and request a reduction in monitoring.

Jake Pycholki of *Environmental Scientist* at *VHP* addresses the Commission members on behalf of the Amesbury Heights LLC to ask for a reduction for the inspections to once a month and or after 1 inch rain events. They are currently doing weekly inspections and after half inch rain events. The site is stable and it has progressed beyond their expectations for this time. They are hoping to reduce the amount of inspections to once a month and after a 3 inch rain fall. The second part of the request is to discontinue the monitoring from Stantec, which seems redundant since the site is stable at this time.

Kinsey Boehl asks when the last half inch rain event was, and Jake Pycholki replies that on the 10th of September.

Kinsey Boehl then asks John Lopez if monitoring reports were sent to the office after those reports. He confirms that they were received and everything is still stable. He supports the applicant's request, and informs the Commission that the peer reviewer is here tonight for any future questions.

Michael Leech of *Stantec* addresses the Commission members on behalf of the application; he agrees with the applicant's request to stop monitoring by *Stantec*. He states that there is still monitoring for the mitigations that need to be completed, but besides that the site is very stable.

A motion to approve the request to reduce weekly site visits to monitor erosion and sedimentation controls for the site to one none rain event site visit per month, and or 24 to 48 hours after any one inch rain event for 36 Haverhill Road – *Amesbury Heights* DEP#002- 0936 is made by Adrienne Lennon, also approve the request that the Commission discontinue the concurrent site monitoring performed by Stantec, which will not affect the one year monitoring report to be submitted to the Commission and Mass DEP no later than October 31st 2018 and the second year monitoring report coming one year later. This motion is seconded by Alan Corey AIF (6)

APPROVED

Transfer of Open Space	Locke Hill Lane (Couillard)

Stephen Duquett recues himself because he has not been on the Commission for any of the open hearings on this application
Mary Parisella recues herself due to legal relationships with the applicant.

Conservation Agent John Lopez briefs the Commission regarding the Locke Hill Lane, Transfer of open space; he states that this issue was brought up by the Open Space Committee regarding the transfer of open space to the City to be used as Conservation land. The applicant was asked to address the Commission at the July meeting and was unable to do so. The applicant states that he already filed the open space with the city but the deadline was back in December of 2016. After a review with the City's Clerk and the Community and Economic Development Department they could not locate these documents.

John Lopez asks to have this topic continued to the October or November meeting so he had the time to locate documentation.

Kinsey Boehl asks if the applicant has installed the permanent sign stating 'South Hampton Conservation Area' at the trailhead for the public.

John Lopez states that he does not know if that sign has been posted.

Kinsey Boehl also states that there is a condition stating that if the parcel is sold, or the development rights are transferred to any other person, the current property owners and the applicants shall be required to submit to the ACC a signed notarized letter of acknowledgment from the buyer stating that they have been provided copies of all permits, and all conditions of the projects. Kinsey Boehl asks if the Commission has ever received any notarized letters from any buyers.

John Lopez states that he does not know but he could find out for the Commission. He does add that he just spoke with a property owner at Locke Hill Lane who was unaware of any open orders of conditions on his property when he purchased it. Since then that has been rectified, the property owner set a letter stating that he understood the order of conditions and the Commission issued a certificate of compliance.

Kinsey Boehl states that the applicant shall make a request for a certificate of compliance.

John Lopez states that at this time all lots have been issued a certificate of compliance.

Suzanne Egan states that the open space deed was submitted to the Conservation Commission because they have a copy via email.

Alan Corey states that it is not signed or recorded.

Suzanne Egan agrees and then asks if the deed has been submitted, shouldn't the Planning Board and the City take action on this matter. Then if that happens the City Council will have to accept this parcel. She does not agree with continuing this issue to another meeting. She states that the Commission should draft a request that the Planning Board submits this parcel to the City Council so they can request the property owner to sign the deed and submit it.

John Lopez states that there was a letter submitted by the applicant stating that he will have to correct a situation at Locke Hill Lane regarding a sidewalk which would require a notice of intent because of it being in a jurisdictional area.

Suzanne Egan agrees to draft a memo to the Mayor's office from the Commission on this topic.

Suzanne Egan makes a motion that the Conservation Commission makes a request for the Mayor of Amesbury and the City Counsel to review the quit claim deed that has been submitted for Locke Hill Lane and take further action to have that property transferred to the City of Amesbury. This motion is seconded by Adrienne Lennon AIF (4)

A motion to continue the discussion for Transfer of Open Space – Locke Hill Lane (Couillard) to the October 1st, 2018 Conservation Commission meeting is made by

Battis Farm	Draft Management Plan VIALE

Conservation Agent John Lopez asks if the Open Space Committee's representative is present tonight to discuss. He states that he believes this was presented to the Commission just to see their edification, he does not believe there is any action to be taken.

Adrienne Lennon elaborates on behalf of the open space committee. The Battis Farm/Pole Hill complex Conservation parcels management plans needed a review and a draft must be produced for the Conservation Commission to review. The new uses and management plans can be proposed by the Open Space Committee or the Commission could engage a third party to help produce a management plan in a single draft instead of multiple drafts.

Suzanne Egan asks if there is a funding source for something like that. Adrienne Lennon replies that there is not a funding plan.

Suzanne Egan asks if John Lopez could find a grant that could help the Commission support a draft plan being put together by a third party review.

Kinsey Boehl states that he is in favor of an updated policy, Suzanne Egan agrees.

Continued Business

Request for Amended Order of Conditions (002-1026)	282 Elm Street – Retail Site (Fulkerson)

Stephen Duquett recueses himself from all continued business due to not being present during all open hearings.

Conservation Agent John Lopez states that the applicant is requesting a change in use and structural design of this site. The Commission at the last meeting, requested that the applicant amend the plans to show the approved vs. proposed footprint all on one sheet. The Commission does not have any outstanding issues.

Denis Hammel from *W.C. Cammett Engineering* addresses the Commission members on behalf of the applicant; stating that he has provided and submitted the requested documents to the Commission.

Adrienne Lennon asks Denis Hammel if there have been any changes to the approved storm water management plan.

Denis Hammel states that there have been no changes to the storm water management or approved mitigation plans. Denis then confirms that the new applicant is very aware of the mitigation responsibilities and the requirements for the new plan.

A motion to approve the request for an amended order of conditions for 282 Elm Street is made by Adrienne Lennon and seconded by Mary Parisella AIF (4) Suzanne Egan abstains

A motion to close the public hearing for 282 Elm Street- Retail Site is made by Adrienne Lennon and seconded by Alan Corey AIF (5)

NOI (002-1188) 277R; 281; 283; 287 and 287.5 Elm Street	(True Homestead Limited Partnership I, II, III and IV)

Stephen Duquett recueses himself from all continued business due to not being present during all open hearings.

(Request to Continue to December 3, 2018)

A motion to accept the applicant's request to continue the public hearing for is made by Adrienne Lennon and seconded by Suzanne Egan AIF (5)

ANRAD (002-1216)	24 South Hampton Road (Gray/City of Amesbury)

Stephen Duquett recueses himself from all continued business due to not being present during all open hearings.

Conservation Agent John Lopez addresses the Commission regarding the application; he states that Jillian Davis conducted a site visit on August 28th of 2018. The survey team and Alan Corey attended the site. There were some changes to the plan and those changes have been forwarded to Mrs. Davis. He recommends the approval of this plan dated September 7th 2018.

Kinsey Boehl confirms that the Commission is approving a plan for the wetlands delineation on the site. No building or structures being placed on this site.

Fred King of DGT Associates addresses the Commission members on behalf of the project; there were a number of adjustments made on site and these adjustments were then located by the surveyors and adjusted on the plans.

Fred King goes through the plans with the Commission;

AUDIO CANNOT BE TRANSCRIBED BECAUSE THE SPEAKER WAS NOT AT THE PODIUM.

Fred King states that all of the changes were based on soils data because there was no wetlands vegetation. He points out the intermittent stream that comes across the street that connects to the east of the plan. Fred King adds that the grading on this site is very gradual.

Kinsey Boehl asks if Fred can describe the nature of the wetland. He would like to know if it is a prestine site or has it been modified and developed over the years.

Fred King states that before the school was built it was an agricultural field, and the soils are all wetland soils. Back in the day there were a lot of drainage ditches to dry it, but when the school came along would have been classified as a wetland. If they were trying to develop a school on this site today they probably could not because it is a complete wetland.

Kinsey Boehl states that Jillian Davis has submitted a letter to the Commission stating that the wetlands lines have been moved.

A motion to approve the wetlands delineation, and issue an order of resource area delineation as amended by the plan revised on September 7th, 2018 at 24 S. Hampton Road is made by Alan Corey and seconded by Suzanne Egan AIF (4) Adrienne Lennon abstains

NOI (002-1215)	1 Moncrief Street (Barcoh Development Group, LLC)

Stephen Duquett recueses himself from all continued business due to not being present during all open hearings.

Conservation Agent John Lopez informs the Commission members that the initial peer review has been drafted and the applicant is responding to that currently. They anticipate having a response for an additional supplemental review by the October 1st meeting. They have requested a continuance until that time.

A motion to accept the applicant's request to continue the public hearing for NOI (002-1215) 1 Moncrief Street (Barcoh Development Group, LLC) to October 1st, 2018 Conservation Commission meeting is made by Adrienne Lennon and seconded by Alan Corey AIF (5)

NOI (002-1214)	60 Pleasant Valley Road (Corey)

Stephen Duquett recueses himself from all continued business due to not being present during all open hearings
Alan Corey recueses himself due to being the applicant

A motion to continue to October 1st, 2018 Adrienne Lennon and seconded by Suzanne Egan AIF (4)

NOI (002-1201)	185 Kimball Road (Sullivan)

Stephen Duquett recueses himself from all continued business due to not being present during all open hearings.

Conservation Agent John Lopez briefs the Commission on the notice of intent; reminding the Commission that only the gravel driveway is subject to the state wetlands act. Everything else goes beyond Conservation Commission jurisdiction. The Commission chose Mill River Consulting to do a peer review and it came back with other items that were sited. Per the applicant's request the Commission deferred the storm water management review to the Planning Board's peer reviewer, after a conversation with the Planning Board's peer reviewer to notify them of the request it came to the Commission's attention that he is unfamiliar with the wetlands act and he does not do wetlands reviews. Then the project proceeded accordingly and at the previous hearing the Commission discovered that there were major changes to the driveway that included a storm water management system. Mill River was chosen to conduct a full review under the wetlands act and the applicant was notified. To this date no funds have been submitted for that peer review, because the applicant feels that the project was reviewed under the Planning Board's review and that should suffice.

Bob Grasso of *Engineering Land Services* addresses the Commission on behalf of the applicant; he states that the last hearing that he had attended there was a continuance requested pending the Planning Board approval for a special permit working in the water resource protection district. He states that the applicant was not present when the Commission voted to have a supplemental review done by Mill River Consulting. He states that they were going to review the plans provided to the Commission pursuant to the original peer review.

Adrienne Lennon informs Bob Grasso that the last meeting where 185 Kimball Road was addressed was a special meeting. Bob Grasso replies that how could they have a special meeting and not allow the applicants to rebuttal and since the applicant had requested a continuance how could they have discussed. He adds that they have brought Planning Board approval to the Commission tonight after they met a week prior to the Conservation Commission meeting.

Kinsey Boehl states that the biggest issue he sees with the project would be the third party reviewer's comments that are still outstanding. There are 6 outstanding items that need to be demonstrated on the site regarding discharges within zone 2 or interim wellhead protection area for public water supply.

Bob Grasso reviews the comments by the peer reviewer's letter dated September 12th, 2018 and states that neither he nor his client received the letter.

Suzanne Egan states that if the applicant is not willing to provide the peer review funds to have the review take place and if they are not willing to provide comments that are up to date then she would be willing to make a motion based on the record before the Commission.

Kinsey Boehl states that a motion of this nature would most likely mean denial due to lack of information. Kinsey adds that the Commission holds the opinion of their third party review in very high regards and the Commission tries to reinforce the things that they advise us to.

Bob Grasso states that he would like to discuss the terms of the third party review that the Commission would like to have done. He wishes to pay the consultant to review the property, but he would like to make it reasonable for the applicant.

Bob Grasso asks to discuss the letter of engagement; he states that he has never seen a consultant be responsible for writing an order of conditions. Kinsey Boehl replies that they have been working on the effort of streamlining processes and they understand that the applicants would have a longer wait time if the Commission was required to draft orders of conditions. Having a consultant provide the order of conditions has been the process that the Commission had decided to use.

Bob Grasso then states that this project does in fact comply with the wetlands protection act and the letter of engagement states that they do not comply.

Suzanne Egan states that they are not able to move forward with this hearing without additional information provided to the Commission.

Bob Grasso requests that the hearing is continued to another meeting.

John Lopez states that to save on cost for the applicant he is willing to draft the order of conditions.

Kinsey Boehl states that he would like to have John Lopez reach out to Mill River and get a revised third party review contract drafted for the applicant to reflect the reduction of cost of drafting the order of conditions.

Adrienne Lennon confirms that this draft contract for review has expired since it was written in July, and they would need a new contract to be signed by the applicant.

Kinsey Boehl states that he signed the contract from Mill River Consulting on August 6th, 2018. Had the applicant signed and provided the funds for this third party review then they would have received a draft order of conditions ready for signature tonight.

A motion to revise the contract for the third party review performed by Mill River consulting at 185 Kimball roads is made by Suzanne Egan and seconded by Adrienne Lennon AIF (5)

A motion to continue the public hearing for 185 Kimball Road to the October 1st 2018 Conservation Commission meeting is made by Suzanne Egan and seconded by Adrienne Lennon AIF (5)

NOI (002-1217)	60 Merrimac Street, Hatter's Point (Smith)

Stephen Duquett recueses himself from all continued business due to not being present during all open hearings.

Conservation Agent John Lopez briefs the Commission on the notice of intent; he informs the Commission that Michael Leech (peer reviewer) is here tonight to provide information if desired on the subject.

Charlie Wear with *Meridian Associates* addresses the Commission on behalf of the applicant; he provides a plan that addresses a number of issues that Michael Leech had raised with his peer review that are not complete at this time. He informs the Commission that the plans provided tonight have shown all details that they currently have updated to include the minor changes to the river walk. He states that the river walk is a very sensitive area of the site, and they have decided to try and use a structural engineered fabric together with planting to stabilize the slope on the river walk, this would result in a slight reduction of flood storage below that. This area of the property currently does not have an open order of conditions and the applicant is hoping to move forward with the rest of the project and revisit much closer to this topic.

Adrienne Lennon tells Charlie Wear that she respects the applicant asking for an amendment to the order of conditions but currently the order is expired and they do not have an active order of conditions. Any work that they are looking to do needs permitting.

Michael Leech of *Stantec* addresses the Commission on behalf of the applicant; he states that he was not aware that the applicant was wishing to move forward with work on the site. He states that the applicant is on the right track to get the permitting on this area, but he has not seen any proposed plans for the river walk at this time.

Suzanne Egan asks if new plans with the amendments been submitted to the Commission that Michael Leech has been able to review.

Michael Leech replies that no there has not been any of this information submitted for review.

Suzanne Egan states that the Commission cannot act on anything that the applicant is asking of them tonight because it has not been presented to them.

Kinsey Boehl suggests continuing this hearing to October 1st 2018 to give Michael Leech the ability to work together with the applicant.

APPROVED
Charles Wear apologizes to the Commission for not being able to provide an updated notice of intent at this time. They are close to having everything complete and hopefully the submittal will be done within the week also so that Michael Leech can review it.

A motion to continue the public hearing for DEP file # 002-1217 60 Merrimac Street, Hatter's Point (Smith) to the October 1st, 2018 Conservation Commission meeting is made by Adrienne Lennon and seconded by Mary Parisalle AIF (5)

New Business:

RCoC (002-1003)	5 Old Merrill (McKee)

Conservation Agent John Lopez addresses the Commission regarding the request for a certificate of compliance; the request comes in support of an OoC issued by the ACC on 10.29.09 for the construction of a garage, shed, house addition, driveway reconstruction, deck addition, septic tank relocation, new fencing and new patio within a designated Riverfront Area. As-built plans show a number of approved items have changed slightly but do not constitute a cumulative negative impact to the jurisdictional area. In many instances the footprint of the approved structures had been reduced resulting in less impervious surface.

Adrienne Lennon asks the applicant's representative if the septic system is infact closed.

Matt Bailey Mountain Top Landscape confirms that the septic system is in fact closed.

A motion to issue a certificate of compliance for RCoC 002-1003 for 5 Old Merrill McKee is made by Adrienne Lennon and seconded by Mary Parisalle AIF (6)

NOI (002-1219)	5 Old Merrill (McKee)

Conservation Agent John Lopez addresses the Commission regarding the notice of intent.

Matt Bailey Mountain Top Landscape addresses the Commission regarding the notice of intent; he st ates that the backyard on this property was unable to be completed until after the order of conditions has run out. Over the last 9 years there were changes made to modify the landscape. The septic system was capped off and tied into the City's sewage and there wer walls between the properties that involved some design changes. The fence does not need to be installed, and there was a patio proposed in the front yard that will not be installed. They are asking for an additional 210 square feet of patio area.

Alan Corey asks if there is a plan to show all of these topics, to which Matt Bailey replies that they should have it because it was submitted with the original packet. He pulls up the enlarged plans to show the Commission.

Suzanne Egan asks Matt Bailey to confirm if the red maple trees on the site have stayed or if they are gone. Matt replies that they will stay pursuant to the original order of conditions from 2009. Matt then suggests that the Commission reviews the planting plan that was submitted on June 13th, 2018.

The Commission reviews the plans with Matt Bailey regarding landscaping

Adrienne Lennon reviews the *Cammett Engineering* partial as built from July 19th, 2018 and what the Commission will need to have provided is all of the delineations.

Matt Bailey informs Adrienne Lennon that the delineations from the Cammett Engineering plan was incorporated into the landscaping plans. Adrienne replies that everything must be incorporated on one single sheet.

Suzanne Egan asks Matt Bailey to describe the planting plan. To which he replies that it is just a mixture of shrubs and perennials and there will not be any oriental trees within the backyard.

Suzanne Egan asks Matt Bailey if the amount of impervious surface will be increasing with the addition of a patio. Matt replies that the entire area will be made up of pervious surfaces. The seawalls would be the only impervious surfaces.

Mary Parisella asks if the original patio that was approved ever built. Matt Bailey replies that they never built the originally approved patio.

Mary Parisella then asks if the new location of the patio has an increased effect of the wetlands, and is this location closer than originally approved for.

Matt Bailey states that the wetland line ends at the top of the wall so it will not affect it any more.

Kinsey Boehl states that he does not see the setback lines on the plans. Adrienne Lennon informs Kinsey that the entire property is within the 100 foot river front.

Matt Bailey states that the entire project is within the 25 foot no build set back.

Kinsey Boehl states that he believes this project will need waivers. He suggests a third party review.

John Lopez states that it is worth finding out if any of the proposed walls fall within any FEMA designated flood zone. The applicant should inform the Commission of these questions. The entire site is subject to Costal Zone Regulations and land subject to ocean flooding.

John Lopez suggests that this topic be continued to the November meeting.

Kinsey Boehl states that there is a very high bar for the waivers and the full Commission would need to vote in favor.

Adrienne Lennon states that the difference between the two filings is very well documented and she believes that the Conservation Agent should be able to walk through the requirements with the applicant easily.

A motion to continue NOI file # 002-1219 for 5 Old Merrill is made by Suzanne Egan and seconded by Adrienne Lennon AIF (6)

Request for OoC Extension (002-1116)	219 Lions Mouth Road #RR (McCarthy)

Conservation Agent John Lopez addresses the Commission members on behalf of the request for an extension; stating that the requests for extensions are determined by the Commission in the length of a year or more which can be determined by the Conservation Commission.

Mike Testa President of the Amesbury Soccer Association addresses the Commission on behalf of the request; he states that ASA is requesting the continuance after the renewal of the lease with the City of Amesbury for use of the fields, back when the original project was proposed it was their intention to completely fund the project with private funds but they are now working with the City of Amesbury to allow for some public funds if needed. They do not have funds at this time to start construction.

Kinsey Boehl asks when the order officially expires. Adrienne Lennon confirms that it ends on September 18, 2018.

Kinsey Boehl asks if the order of conditions can be amended by the Commission members.

Suzanne Egan states that they cannot because the issue before the Commission is an extension, they are limited to that.

Adrienne Lennon states that she is comfortable with issuing a 3 year extension for this topic, but she wants the applicant's representative to be clear that because they are so far away from the issuance of the order and if they do find themselves able to do the work she asks that they carefully review and come to the Commission members if any requests are needed.

Kinsey Boehl states that he has an issue with voting to do something that is specifically stating not to do. The request for this extension should have been submitted 30 days prior to the expiration date of the order of conditions.

Suzanne Egan states that the conditions originally implemented by the Commission were in place for a reason. If there is a specific deadline then the Commission is limited.

Alan Corey asks when the request was submitted to the Commission.

Conservation Agent John Lopez states it was submitted 2 or 3 weeks prior to the meeting.

Matt Testa states that they begin contacting the City for this extension in July of 2018.

Conservation Commission Agent John Lopez adds that part of the process to apply for the extension is to obtain the signature of the property owner who is the Mayor of the City of Amesbury, which was provided over the last two weeks.

Alan Corey states that he would consider waiving the 30 day requirement because he understands how hard it is to obtain the Mayor's signature.

Mary Parisella asks John Lopez if he knows how long the applicant has been working with the City of Amesbury for this extension. John Lopez replies that he does not know, the Commission received it two weeks prior to the meeting.

Matt Testa states that he would have to reach out to his secretary to obtain the original request for an extension with the City of Amesbury.

Kinsey Boehl asks if the Commission is able to make a minor modification to the order of conditions.

Suzanne Egan states that they cannot do that, they can only act on what is on the agenda and what has been requested by the applicant. A modification to an order of conditions that is about to expire should have to be posted for the public.

Mary Parisella asks if they can conditionally approve the request with the applicant being required to submit written documentation of submitting a request prior to the 30 day expiration date.

Conservation Agent John Lopez states that that could be included in the extension approval.

A motion to approve the request for the order of conditions extension for DEP File # 002-1116 219 Lions Mouth Road RR for an additional 3 years (expires 09 18 2021) with the condition in place that the applicant will need to provide proof of a request before 30 days of the expiration of the current order of conditions (08 18 2018) is made by Adrienne Lennon and seconded by Alan Corey. AIF (3) Kinsey Boehl, Suzanne Egan, and Stephen Duquet oppose.

ANRAD	193 Lions Mouth Road (Gray/City of Amesbury)

Conservation Agent John Lopez briefs the Commission members; Wetland proposal is located on a 36 acre lot of municipal land. Jurisdictional resources located on site would include a 2,550 sq. ft. of BVW; a proposed intermittent (located within the BVW for its entire length); and proposed Bordering Land Subject to Flooding. Stream status of intermittent was determined based on the USGS topographic map which constitutes legal verification unless proven otherwise. To confirm the applicant states they evaluated the watershed area and found that the watershed of the stream at the point where it exits the property is only 0.13 square miles in areas. Under the regulations, the watershed is less than 0.5 square miles and is depicted on USGS maps as intermittent. Under state and local wetlands laws, an intermittent stream is not subject to.

Fred King of DGT Associates addresses the Commission members on behalf of the project; he states that they had performed delineation on this site for the proposed new school location. The original delineation is the same as what sits there today.

John Lopez informs the Commission members that this ANRAD also requests a special meeting to accommodate a time period for State grants that would help this site work. The plans would be ready by October 4th, 2018 and a special meeting scheduled for the evening of October 4 or October 5th during the day if the Commission members could make it work.

Suzanne Egan asks why there is a rush for this work to be completed.

Conservation Agent John Lopez informs the Commission members that the October 10th special meeting scheduled by the Mayor's office would require the approval to be in place for this document.

Angela Cazaden from New Mexico Design states that the Mayor is scheduling a community forum for October 10th, 2018 and they need all information ready.

Suzanne Egan confirms that the applicant is looking for an approval of the third party contract and also a confirmation for a special meeting.

John Lopez states that the Commission also has the option for picking another representative from BSC other than Jillian Davis for the third party review if they wish.

A motion to approve the third party contract for BSC to review the wetlands at 193 Lions Mouth Road is made by Suzanne Egan and seconded by Adrienne Lennon AIF (6)

Kinsey Boehl states that due to work conflicts he is unavailable for the entire month of October. Kinsey Boehl then asks if anyone from the public wishes to speak on this topic.

ABUTTER

Patricia Bradley speaks to the Commission on behalf of her mother's property located near the application site. Her main concern is the stream that runs along her mother's property, the stream was flowing and moving through the City of Amesbury and ran into the park's pond but since there was so much development including the Cashman School development it changes the wetlands in the area which affected the stream dramatically. She wants to know if the applicant has any plans to mitigate this area so this stream is not further affected by development.

Alan Corey informs Patricia Bradley that the purpose of this hearing is to confirm that the representatives here tonight will go out and mark the wetlands as they stand. There is no proposed development being discussed tonight and what she is searching for will in fact happen.

Fred King then confirms that the stream that runs along the abutter's property was designated as an intermittent stream.

Kinsey Boehl states that the Commission has made a motion to have a third party review who will confirm that the review of the proposed plans will benefit the wetlands. He states that the third party reviewer will review the wetland flags in this area, and they can ask Jillian Davis to review the stream based on the comments made tonight by the abutter to confirm if it is an intermittent stream or a perennial stream.

A motion to hold a special meeting on October 4th, 2018 at 6:30pm at the City hall is made by Suzanne Egan and seconded by Alan Corey AIF (5) Adrienne Lennon abstains.

RDA	14 Mill Street (Mass Electric d/b/a National Grid

Conservation Agent John Lopez briefs the Commission members; proposed work consists of the repair of an existing retaining wall comprised of mortared stone, concrete-faced stone and brick within Riverfront to the Powow River. Wall is in support of a National Grid substation and measures approximately 120 ft. in length. The retaining wall, built around 1936, is approximately 14 ft. high and two ft. at the opposite end. The wall is located within the developed inner riparian to Riverfront on a sloped embankment comprised of soil and sparse vegetation. Aside from Riverfront, the retaining wall is located within Bordering Land Subject to Flooding and FEMA flood zone AE(Special Flood Hazard Area Subject to Inundation by the 1% Annual Chance Flood) and a hurricane surge zone. The remaining portion of the site is located within Zone X (Areas determined to be outside the 2% Applicant assets that a 25 foot section of the mortared stone retaining wall, the mortar has deteriorated and is dislodged between the stones at the base of the wall. A concrete face section of the wall is undermined.

Dan Macintyre with *National Grid* introduces Andrea Kendall who is the environmental consultant for the project. This wall periodically has inspectors going in to inspect its performance standards but the most recent one

has shown some voids at the base of the wall that is a result of the heavy rain from this year. They would like to move in and repair these voids before they progress.

Andrea Kendall explains to the Commission members where the location of the wall is using pictures. She then goes on to explain that there will be a staging area at the top of the embankment adjacent to the substation and access to the work zone will be via foot. Andrea then explains that there will be a vehicle on site with the grout that will be pumped through a hose to the wall to fill the voids. This grout will set for 7 days and once it has dried they will remove the form and they will then be able to remove the erosion controls.

Kinsey Boehl asks Andrea Kendall to explain what will happen with the materials that are removed. Andrea replies that the workers will use buckets to remove the material off site. Nothing will be left on the site.

Adrienne Lennon informs Andrea Kendall that the distance in tide is roughly 5 feet, so as they plan their construction keep that in mind.

Andrea Kendall states that they will be using some sort of sandbags to otherwise separate the water from the area.

Alan Corey asks the applicant to confirm that the project scope is repairing a sea wall in a flood plain. Andrea Kendall confirms that he is correct.

John Lopez asks what the cost of repairing this wall will be. Has the wall outlived its economic lifespan.

Dan Macintyre states that he does not believe the wall needs to be completely replaced. They are doing periodic structural monitoring because it is very old. They have plans that are being developed to structurally reinforce the wall but that is not what they are proposing at this time. Right now they are spending under $10,000.00 dollars on the project.

John Lopez states that a national grid vehicle and a meridian engineering vehicle down on the site and abutters were asking what was going on. John states that he made a phone call and they informed him that there was a routine inspection of the site and national grid have been monitoring the migration of the substation for the last two years. John then asks Dan to elaborate on that topic.

Dan Macintyre states that this is a part of their inspection, there is a visual one done every two months for the wall and meridian goes out there with surveyors for marking the wall with survey points to check to see if there is any movement. To date the survey points have not been moving. The voids that have been discovered in recent inspections must be addressed though.

Kinsey Boehl asks if the pad on site is burm if they were to lose a transformer or oil that may effect the soil.

Dan Macintyre informs the Commission that the transformers have a secondary containment container around them. So they are burmmed

A motion to find a negative determination of applicability for 14 Mill street is made by Adrienne Lennon with the conditions that the applicant install a sign reading 'ACC 002-1114' that will remain visible to the roadway during the project. This motion is seconded by Suzanne Egan AIF (5) Alan Corey abstains

NOI (002-xxxx)	66B Lake Attitash Road (Kuzmitski)

Conservation Agent John Lopez briefs the Commission regarding this NOI notice, and informs the Commission that the applicant has provided a check #371 for $68.00 and the applicant's representative will explain what that check is for.

Greg Hochmuth *Project Manager from Williams and Sparages* addresses the Commission on behalf of the applicant; he briefs the Commission on the notice of intent that come from an enforcement order where the Commission asked the property owner to remove a seasonal float and dock as well as a wooden deck that was constructed on the bank of lake attitash, then to come back to the Commission with a notice of intent for other activities that were subject to the enforcement order. The dock has since been removed, and then surveyors were sent to the site to do a topographic boundary survey to gather data for preparation of the notice of intent plan and application. The notice of intent has since then sent the dock system out far enough so that a boat at the end will have roughly 3 feet from the water surface to the bottom of the lake. They have also elevated the bottom of the seasonal dock .1 feet above the flood plain elevation to help show that they are not taking up flood storage. The activities that occurred on land include the installation of a pressure treated wood steps and decking, as well as fencing. It wasn't clear that when the enforcement fills that was brought into the site to lift up the grade was in violation. Greg adds that no trees were taken down to perform this work. Greg adds that there may be some abutters present tonight that wish to speak, along the property there was a fence installed that is considered a private way that allow folks who do not live on the lake to have access to the lake. The fence may have been installed in an area that it should not have been because it obstructs access along that private way. Not really a conservation issue but he did want to mention. The check that was provided tonight to the Commission is the fee for the 4 dollar per linear foot fee for the seasonal dock.

Kinsey Boehl asks if the applicant is proposing any mitigation on site. Greg Hochmuth replies that they are not proposing any on for this site. They may be able to put additional plantings on the existing retaining wall. The seasonal dock as they understand should be stored outside of the jurisdictional site but here this is virtually impossible. The property owner is hoping to continue to use an area right above the retaining wall to store the dock.

Kinsey Boehl states that the Commission prefers to see mitigation.

Greg Hochmuth informs the Commission that the entire lot is within the buffer zone and there is no space on the lot to safely store the dock sections that would be outside of the jurisdiction.

Alan Corey asks about the private way, he wants to know if this is the access. He would like to know if this access is an easement. Greg replies that it is a private way that only several abutters have the right to. It may result in the moving of the fence, which they will propose prior to their next hearing.

Kinsey Boehl asks what the docks cannot be stored on the driveway, to which Greg replies that there would be no place to park cars on site.

Adrienne Lennon informs the applicant that there are many orders of conditions open that look just like this one on lake attitash and all of those applicants are held to the same requests and they have done the work after coming to the Commission for an approval. This project, since they did not come to the Commission before and they have done an extensive amount of work, they do not even know what the extent of the damage that has been done.

Greg Hochmuth informs the Commission that this house was built in 1900, and the applicant has been there since the 1950's. In all of that time there has always been a dock on and stored on the property. Greg then adds that the

applicants have provided photos dating back to the 50's that shows the property to look the same and have the docks.

Suzanne Egan states that the Commission must deal with the condition of the lake as it is today. The concept of the docks being on the property 50 years ago does not have the same problems with the blue algae that was being treated by chemicals or vegetation that is being treated by chemicals. So one of the things that the Commission has to do right now is look at the lake in terms of the condition it is in now. The more development on the lake and the more docks are taking away from the wetlands that are keeping a lake healthy, if this work has been done within the last two years then that will really raise the issue.

Kinsey Boehl states that the applicant has to prove that the dock predates the requirements.

Greg Hockmuth states that to not allow this property to propose a seasonal dock is not right.

John Lopez informs the Commission that the applicant has submitted photographs from the 1060s that had a dock within the photos.

Kinsey Boehl states that he would like to see some mitigation and storage that is off site for this project that is more than 100 feet from the lake at minimum.

Adrienne Lennon states that the hearing should be continued due to the lack of mitigation plans, they would like more details about the pressurized wood. Also more information must be provided about the chain link fence and a lack of DEP file number.

ABUTTERS

Mark Carmidy is an abutter across the street from the property who addresses the Commission. He states that they have deeded access to the right of way that sits next to this home. He states that he has lived there for 14 years and there was not a dock that was owned and sat on that property within that time. There was a dock that was positioned on the right of way and there were other attempts at smaller docks by the right of way in the last 15 years. If there is a dock that is approved, they only care about their 15 foot right of way that is deeded to them and a property value that reflects that right of way.

Matt Weston of 61 Lake Attitash road addresses the Commission members on behalf of the project; he states that some of the properties that have deeded water rights have mention of docks within the deeds that they received. He is wondering what the rules are for putting docks in on the lake. Matt then adds that when he moved there 11 years ago there was a dock at that right of way and someone has moved it.

Suzanne Egan suggests having a third party review to make sure that this is following the requirements of the wetlands protection acts or the ordinance.

Adrienne Lennon agrees with the act of a 3rd party review because of the activities brought on with the enforcement order and they need to be able to show that all of the work has been cleared up and a new forward motion for the NOI filing which needs to be confirmed that it is working.

Mary Parisella then suggests that the third party reviewer should make a determination regarding the wooden steps and provide an alternative for them.

Greg Hockmuth states that they are trying to avoid a third party review to keep the cost down. If you take the wooden deck that was placed in the lake out of the equation for the enforcement order, everything else that is

being proposed is straight forward. He does not see the benefit of the third party review. He can provide the Commission more information with respects to the treated wood on site and find a place for the docks that is as far away as possible.

John Lopez adds that the dock meets the performance standards of the regulations.

Suzanne Egan believes that the third party review would be helpful to provide the alternatives and mitigation that was not proposed in the first place.

Alan Corey states that he does not believe a third party review is necessary

Mary Parisella states that she would like to give the applicant a chance to provide mitigation and the finalized plan before they push for a third party review.

A motion to continue the hearing for 66B Lake Attitash Road (Kuzmitski) to the November 5th 2018 Conservation Commission meeting is made by Adrienne Lennon and seconded by Mary Parisella AIF (6)

RDA	161, 163, 165 Kimball Road (Gage, Page & Sidilou)

Conservation Agent John Lopez briefs the Commission about this hearing; he informs the Commission that he requested that the applicant get a letter from an arborist stating that the trees are in decline and this letter was provided. Mitigation should also be proposed with this project to help prevent contamination to entering the lake from run off.

James Gage (son of the applicant) addresses the Commission on behalf of his mother's application. Leslie Page is also in attendance tonight from 161 Kimball Road but the Sidilou applicant was unable to attend tonight's meeting. He states that all 3 property owners are willing to go along with planting some additional shrubbery to help with mitigation, the increasing hurricanes and sever weather is posing a real problem for the residents because they would like to see the trees come down before they fall on their houses. He then opens up to answer any questions from the Commission.

Adrienne Lennon states that they will just need to see a drawing to show where the replacements will be planted and a 2:1 replacement plan is preferred they can go anywhere on the property.

Leslie Page argues that the width of the property is 20 feet long. He believes that a 2:1 planting plan is excessive for the area.

John Lopez states that he did suggest to the applicant a winter berry shrub that is relatively small and inexpensive.

Suzanne Lennon states that these trees do provide a canopy for the water and the loss of that would be detrimental for the lake. So shrubs would not prevent the run off being dispersed in the same pattern.

Mary Gage informs the Commission that the weed coverage for Meadowbrook is dense and there has not been anything done about the amount of protection this body of water as long as she has lived there. No mitigation or protection has been done.

Adrienne Lennon informs the applicants that the City's website that has a list of suggested plants that the applicants can choose from and they just request they pick them 2:1 they then ask that the applicants come back and present it to the Commission members.

APPROVED

CONSERVATION COMMISSION SPECIAL MEETING MINUTES

September 17th, 2018 at 7:00 p.m.

(Posted in accordance with the provisions of MGL Ch. 39, Sec. 23A, as amended)

62 Friend Street
Amesbury, MA 01913

Attendance: Adrienne Lennon, Kinsey Boehl, Mary Parisella, Alan Corey, Suzanne Egan, and Stephen Duquett
Also in attendance: Conservation Agent John Lopez & Recording Secretary Kristen Eldredge
Transcription by: Kristen Eldredge

The September 17th, 2018 Conservation Commission meeting is called to order by Chairman Kinsey Boehl at 7:10pm

Administrative:

36 Haverhill Road –	Amesbury Heights, DEP#002-0936 - Request to Reduce Monitoring

Conservation Agent John Lopez briefs the Commission members in support of the applicant's request. The applicant is here tonight to brief the Commission and request a reduction in monitoring.

Jake Pycholki of *Environmental Scientist* at *VHP* addresses the Commission members on behalf of the Amesbury Heights LLC to ask for a reduction for the inspections to once a month and or after 1 inch rain events. They are currently doing weekly inspections and after half inch rain events. The site is stable and it has progressed beyond their expectations for this time. They are hoping to reduce the amount of inspections to once a month and after a 3 inch rain fall. The second part of the request is to discontinue the monitoring from Stantec, which seems redundant since the site is stable at this time.

Kinsey Boehl asks when the last half inch rain event was, and Jake Pycholki replies that on the 10th of September.

Kinsey Boehl then asks John Lopez if monitoring reports were sent to the office after those reports. He confirms that they were received and everything is still stable. He supports the applicant's request, and informs the Commission that the peer reviewer is here tonight for any future questions.

Michael Leech of *Stantec* addresses the Commission members on behalf of the application; he agrees with the applicant's request to stop monitoring by *Stantec*. He states that there is still monitoring for the mitigations that need to be completed, but besides that the site is very stable.

A motion to approve the request to reduce weekly site visits to monitor erosion and sedimentation controls for the site to one none rain event site visit per month, and or 24 to 48 hours after any one inch rain event for 36 Haverhill Road – *Amesbury Heights* DEP#002- 0936 is made by Adrienne Lennon, also approve the request that the Commission discontinue the concurrent site monitoring performed by Stantec, which will not affect the one year monitoring report to be submitted to the Commission and Mass DEP no later than October 31st 2018 and the second year monitoring report coming one year later. This motion is seconded by Alan Corey AIF (6)

Transfer of Open Space	Locke Hill Lane (Couillard)

Stephen Duquett recues himself because he has not been on the Commission for any of the open hearings on this application
Mary Parisella recues herself due to legal relationships with the applicant.

Conservation Agent John Lopez briefs the Commission regarding the Locke Hill Lane, Transfer of open space; he states that this issue was brought up by the Open Space Committee regarding the transfer of open space to the City to be used as Conservation land. The applicant was asked to address the Commission at the July meeting and was unable to do so. The applicant states that he already filed the open space with the city but the deadline was back in December of 2016. After a review with the City's Clerk and the Community and Economic Development Department they could not locate these documents.

John Lopez asks to have this topic continued to the October or November meeting so he had the time to locate documentation.

Kinsey Boehl asks if the applicant has installed the permanent sign stating 'South Hampton Conservation Area' at the trailhead for the public.

John Lopez states that he does not know if that sign has been posted.

Kinsey Boehl also states that there is a condition stating that if the parcel is sold, or the development rights are transferred to any other person, the current property owners and the applicants shall be required to submit to the ACC a signed notarized letter of acknowledgment from the buyer stating that they have been provided copies of all permits, and all conditions of the projects. Kinsey Boehl asks if the Commission has ever received any notarized letters from any buyers.

John Lopez states that he does not know but he could find out for the Commission. He does add that he just spoke with a property owner at Locke Hill Lane who was unaware of any open orders of conditions on his property when he purchased it. Since then that has been rectified, the property owner set a letter stating that he understood the order of conditions and the Commission issued a certificate of compliance.

Kinsey Boehl states that the applicant shall make a request for a certificate of compliance.

John Lopez states that at this time all lots have been issued a certificate of compliance.

Suzanne Egan states that the open space deed was submitted to the Conservation Commission because they have a copy via email.

Alan Corey states that it is not signed or recorded.

Suzanne Egan agrees and then asks if the deed has been submitted, shouldn't the Planning Board and the City take action on this matter. Then if that happens the City Council will have to accept this parcel. She does not agree with continuing this issue to another meeting. She states that the Commission should draft a request that the Planning Board submits this parcel to the City Council so they can request the property owner to sign the deed and submit it.

John Lopez states that there was a letter submitted by the applicant stating that he will have to correct a situation at Locke Hill Lane regarding a sidewalk which would require a notice of intent because of it being in a jurisdictional area.

Suzanne Egan agrees to draft a memo to the Mayor's office from the Commission on this topic.

Suzanne Egan makes a motion that the Conservation Commission makes a request for the Mayor of Amesbury and the City Counsel to review the quit claim deed that has been submitted for Locke Hill Lane and take further action to have that property transferred to the City of Amesbury. This motion is seconded by Adrienne Lennon AIF (4)

A motion to continue the discussion for Transfer of Open Space – Locke Hill Lane (Couillard) to the October 1st, 2018 Conservation Commission meeting is made by

Battis Farm	Draft Management Plan VIALE

Conservation Agent John Lopez asks if the Open Space Committee's representative is present tonight to discuss. He states that he believes this was presented to the Commission just to see their edification, he does not believe there is any action to be taken.

Adrienne Lennon elaborates on behalf of the open space committee. The Battis Farm/Pole Hill complex Conservation parcels management plans needed a review and a draft must be produced for the Conservation Commission to review. The new uses and management plans can be proposed by the Open Space Committee or the Commission could engage a third party to help produce a management plan in a single draft instead of multiple drafts.

Suzanne Egan asks if there is a funding source for something like that. Adrienne Lennon replies that there is not a funding plan.

Suzanne Egan asks if John Lopez could find a grant that could help the Commission support a draft plan being put together by a third party review.

Kinsey Boehl states that he is in favor of an updated policy, Suzanne Egan agrees.

Continued Business

Request for Amended Order of Conditions (002-1026)	282 Elm Street – Retail Site (Fulkerson)

Stephen Duquett recueses himself from all continued business due to not being present during all open hearings.

Conservation Agent John Lopez states that the applicant is requesting a change in use and structural design of this site. The Commission at the last meeting, requested that the applicant amend the plans to show the approved vs. proposed footprint all on one sheet. The Commission does not have any outstanding issues.

Denis Hammel from *W.C. Cammett Engineering* addresses the Commission members on behalf of the applicant; stating that he has provided and submitted the requested documents to the Commission.

Adrienne Lennon asks Denis Hammel if there have been any changes to the approved storm water management plan.

Denis Hammel states that there have been no changes to the storm water management or approved mitigation plans. Denis then confirms that the new applicant is very aware of the mitigation responsibilities and the requirements for the new plan.

A motion to approve the request for an amended order of conditions for 282 Elm Street is made by Adrienne Lennon and seconded by Mary Parisella AIF (4) Suzanne Egan abstains

A motion to close the public hearing for 282 Elm Street- Retail Site is made by Adrienne Lennon and seconded by Alan Corey AIF (5)

NOI (002-1188) 277R; 281; 283; 287 and 287.5 Elm Street	(True Homestead Limited Partnership I, II, III and IV)

Stephen Duquett recueses himself from all continued business due to not being present during all open hearings.

(Request to Continue to December 3, 2018)

A motion to accept the applicant's request to continue the public hearing for is made by Adrienne Lennon and seconded by Suzanne Egan AIF (5)

ANRAD (002-1216)	24 South Hampton Road (Gray/City of Amesbury)

Stephen Duquett recueses himself from all continued business due to not being present during all open hearings.

Conservation Agent John Lopez addresses the Commission regarding the application; he states that Jillian Davis conducted a site visit on August 28th of 2018. The survey team and Alan Corey attended the site. There were some changes to the plan and those changes have been forwarded to Mrs. Davis. He recommends the approval of this plan dated September 7th 2018.

Kinsey Boehl confirms that the Commission is approving a plan for the wetlands delineation on the site. No building or structures being placed on this site.

Fred King of DGT Associates addresses the Commission members on behalf of the project; there were a number of adjustments made on site and these adjustments were then located by the surveyors and adjusted on the plans.

Fred King goes through the plans with the Commission;

AUDIO CANNOT BE TRANSCRIBED BECAUSE THE SPEAKER WAS NOT AT THE PODIUM.

Fred King states that all of the changes were based on soils data because there was no wetlands vegetation. He points out the intermittent stream that comes across the street that connects to the east of the plan. Fred King adds that the grading on this site is very gradual.

Kinsey Boehl asks if Fred can describe the nature of the wetland. He would like to know if it is a prestine site or has it been modified and developed over the years.

Fred King states that before the school was built it was an agricultural field, and the soils are all wetland soils. Back in the day there were a lot of drainage ditches to dry it, but when the school came along would have been classified as a wetland. If they were trying to develop a school on this site today they probably could not because it is a complete wetland.

Kinsey Boehl states that Jillian Davis has submitted a letter to the Commission stating that the wetlands lines have been moved.

A motion to approve the wetlands delineation, and issue an order of resource area delineation as amended by the plan revised on September 7th, 2018 at 24 S. Hampton Road is made by Alan Corey and seconded by Suzanne Egan AIF (4) Adrienne Lennon abstains

NOI (002-1215)	1 Moncrief Street (Barcoh Development Group, LLC)

Stephen Duquett recueses himself from all continued business due to not being present during all open hearings.

Conservation Agent John Lopez informs the Commission members that the initial peer review has been drafted and the applicant is responding to that currently. They anticipate having a response for an additional supplemental review by the October 1st meeting. They have requested a continuance until that time.

A motion to accept the applicant's request to continue the public hearing for NOI (002-1215) 1 Moncrief Street (Barcoh Development Group, LLC) to October 1st, 2018 Conservation Commission meeting is made by Adrienne Lennon and seconded by Alan Corey AIF (5)

NOI (002-1214)	60 Pleasant Valley Road (Corey)

Stephen Duquett recueses himself from all continued business due to not being present during all open hearings
Alan Corey recueses himself due to being the applicant

A motion to continue to October 1st, 2018 Adrienne Lennon and seconded by Suzanne Egan AIF (4)

NOI (002-1201)	185 Kimball Road (Sullivan)

Stephen Duquett recueses himself from all continued business due to not being present during all open hearings.

Conservation Agent John Lopez briefs the Commission on the notice of intent; reminding the Commission that only the gravel driveway is subject to the state wetlands act. Everything else goes beyond Conservation Commission jurisdiction. The Commission chose Mill River Consulting to do a peer review and it came back with other items that were sited. Per the applicant's request the Commission deferred the storm water management review to the Planning Board's peer reviewer, after a conversation with the Planning Board's peer reviewer to notify them of the request it came to the Commission's attention that he is unfamiliar with the wetlands act and he does not do wetlands reviews. Then the project proceeded accordingly and at the previous hearing the Commission discovered that there were major changes to the driveway that included a storm water management system. Mill River was chosen to conduct a full review under the wetlands act and the applicant was notified. To this date no funds have been submitted for that peer review, because the applicant feels that the project was reviewed under the Planning Board's review and that should suffice.

Bob Grasso of *Engineering Land Services* addresses the Commission on behalf of the applicant; he states that the last hearing that he had attended there was a continuance requested pending the Planning Board approval for a special permit working in the water resource protection district. He states that the applicant was not present when the Commission voted to have a supplemental review done by Mill River Consulting. He states that they were going to review the plans provided to the Commission pursuant to the original peer review.

Adrienne Lennon informs Bob Grasso that the last meeting where 185 Kimball Road was addressed was a special meeting. Bob Grasso replies that how could they have a special meeting and not allow the applicants to rebuttal and since the applicant had requested a continuance how could they have discussed. He adds that they have brought Planning Board approval to the Commission tonight after they met a week prior to the Conservation Commission meeting.

Kinsey Boehl states that the biggest issue he sees with the project would be the third party reviewer's comments that are still outstanding. There are 6 outstanding items that need to be demonstrated on the site regarding discharges within zone 2 or interim wellhead protection area for public water supply.

Bob Grasso reviews the comments by the peer reviewer's letter dated September 12th, 2018 and states that neither he nor his client received the letter.

Suzanne Egan states that if the applicant is not willing to provide the peer review funds to have the review take place and if they are not willing to provide comments that are up to date then she would be willing to make a motion based on the record before the Commission.

Kinsey Boehl states that a motion of this nature would most likely mean denial due to lack of information. Kinsey adds that the Commission holds the opinion of their third party review in very high regards and the Commission tries to reinforce the things that they advise us to.

Bob Grasso states that he would like to discuss the terms of the third party review that the Commission would like to have done. He wishes to pay the consultant to review the property, but he would like to make it reasonable for the applicant.

Bob Grasso asks to discuss the letter of engagement; he states that he has never seen a consultant be responsible for writing an order of conditions. Kinsey Boehl replies that they have been working on the effort of streamlining processes and they understand that the applicants would have a longer wait time if the Commission was required to draft orders of conditions. Having a consultant provide the order of conditions has been the process that the Commission had decided to use.

Bob Grasso then states that this project does in fact comply with the wetlands protection act and the letter of engagement states that they do not comply.

Suzanne Egan states that they are not able to move forward with this hearing without additional information provided to the Commission.

Bob Grasso requests that the hearing is continued to another meeting.

John Lopez states that to save on cost for the applicant he is willing to draft the order of conditions.

Kinsey Boehl states that he would like to have John Lopez reach out to Mill River and get a revised third party review contract drafted for the applicant to reflect the reduction of cost of drafting the order of conditions.

Adrienne Lennon confirms that this draft contract for review has expired since it was written in July, and they would need a new contract to be signed by the applicant.

Kinsey Boehl states that he signed the contract from Mill River Consulting on August 6th, 2018. Had the applicant signed and provided the funds for this third party review then they would have received a draft order of conditions ready for signature tonight.

A motion to revise the contract for the third party review performed by Mill River consulting at 185 Kimball roads is made by Suzanne Egan and seconded by Adrienne Lennon AIF (5)

A motion to continue the public hearing for 185 Kimball Road to the October 1st 2018 Conservation Commission meeting is made by Suzanne Egan and seconded by Adrienne Lennon AIF (5)

NOI (002-1217)	60 Merrimac Street, Hatter's Point (Smith)

Stephen Duquett recueses himself from all continued business due to not being present during all open hearings.

Conservation Agent John Lopez briefs the Commission on the notice of intent; he informs the Commission that Michael Leech (peer reviewer) is here tonight to provide information if desired on the subject.

Charlie Wear with *Meridian Associates* addresses the Commission on behalf of the applicant; he provides a plan that addresses a number of issues that Michael Leech had raised with his peer review that are not complete at this time. He informs the Commission that the plans provided tonight have shown all details that they currently have updated to include the minor changes to the river walk. He states that the river walk is a very sensitive area of the site, and they have decided to try and use a structural engineered fabric together with planting to stabilize the slope on the river walk, this would result in a slight reduction of flood storage below that. This area of the property currently does not have an open order of conditions and the applicant is hoping to move forward with the rest of the project and revisit much closer to this topic.

Adrienne Lennon tells Charlie Wear that she respects the applicant asking for an amendment to the order of conditions but currently the order is expired and they do not have an active order of conditions. Any work that they are looking to do needs permitting.

Michael Leech of *Stantec* addresses the Commission on behalf of the applicant; he states that he was not aware that the applicant was wishing to move forward with work on the site. He states that the applicant is on the right track to get the permitting on this area, but he has not seen any proposed plans for the river walk at this time.

Suzanne Egan asks if new plans with the amendments been submitted to the Commission that Michael Leech has been able to review.

Michael Leech replies that no there has not been any of this information submitted for review.

Suzanne Egan states that the Commission cannot act on anything that the applicant is asking of them tonight because it has not been presented to them.

Kinsey Boehl suggests continuing this hearing to October 1st 2018 to give Michael Leech the ability to work together with the applicant.

APPROVED

Charles Wear apologizes to the Commission for not being able to provide an updated notice of intent at this time. They are close to having everything complete and hopefully the submittal will be done within the week also so that Michael Leech can review it.

A motion to continue the public hearing for DEP file # 002-1217 60 Merrimac Street, Hatter's Point (Smith) to the October 1st, 2018 Conservation Commission meeting is made by Adrienne Lennon and seconded by Mary Parisalle AIF (5)

New Business:

RCoC (002-1003)	5 Old Merrill (McKee)

Conservation Agent John Lopez addresses the Commission regarding the request for a certificate of compliance; the request comes in support of an OoC issued by the ACC on 10.29.09 for the construction of a garage, shed, house addition, driveway reconstruction, deck addition, septic tank relocation, new fencing and new patio within a designated Riverfront Area. As-built plans show a number of approved items have changed slightly but do not constitute a cumulative negative impact to the jurisdictional area. In many instances the footprint of the approved structures had been reduced resulting in less impervious surface.

Adrienne Lennon asks the applicant's representative if the septic system is infact closed.

Matt Bailey Mountain Top Landscape confirms that the septic system is in fact closed.

A motion to issue a certificate of compliance for RCoC 002-1003 for 5 Old Merrill McKee is made by Adrienne Lennon and seconded by Mary Parisalle AIF (6)

NOI (002-1219)	5 Old Merrill (McKee)

Conservation Agent John Lopez addresses the Commission regarding the notice of intent.

Matt Bailey Mountain Top Landscape addresses the Commission regarding the notice of intent; he st ates that the backyard on this property was unable to be completed until after the order of conditions has run out. Over the last 9 years there were changes made to modify the landscape. The septic system was capped off and tied into the City's sewage and there wer walls between the properties that involved some design changes. The fence does not need to be installed, and there was a patio proposed in the front yard that will not be installed. They are asking for an additional 210 square feet of patio area.

Alan Corey asks if there is a plan to show all of these topics, to which Matt Bailey replies that they should have it because it was submitted with the original packet. He pulls up the enlarged plans to show the Commission.

Suzanne Egan asks Matt Bailey to confirm if the red maple trees on the site have stayed or if they are gone. Matt replies that they will stay pursuant to the original order of conditions from 2009. Matt then suggests that the Commission reviews the planting plan that was submitted on June 13th, 2018.

The Commission reviews the plans with Matt Bailey regarding landscaping

Adrienne Lennon reviews the *Cammett Engineering* partial as built from July 19th, 2018 and what the Commission will need to have provided is all of the delineations.

Matt Bailey informs Adrienne Lennon that the delineations from the Cammett Engineering plan was incorporated into the landscaping plans. Adrienne replies that everything must be incorporated on one single sheet.

Suzanne Egan asks Matt Bailey to describe the planting plan. To which he replies that it is just a mixture of shrubs and perennials and there will not be any oriental trees within the backyard.

Suzanne Egan asks Matt Bailey if the amount of impervious surface will be increasing with the addition of a patio. Matt replies that the entire area will be made up of pervious surfaces. The seawalls would be the only impervious surfaces.

Mary Parisella asks if the original patio that was approved ever built. Matt Bailey replies that they never built the originally approved patio.

Mary Parisella then asks if the new location of the patio has an increased effect of the wetlands, and is this location closer than originally approved for.

Matt Bailey states that the wetland line ends at the top of the wall so it will not affect it any more.

Kinsey Boehl states that he does not see the setback lines on the plans. Adrienne Lennon informs Kinsey that the entire property is within the 100 foot river front.

Matt Bailey states that the entire project is within the 25 foot no build set back.

Kinsey Boehl states that he believes this project will need waivers. He suggests a third party review.

John Lopez states that it is worth finding out if any of the proposed walls fall within any FEMA designated flood zone. The applicant should inform the Commission of these questions. The entire site is subject to Costal Zone Regulations and land subject to ocean flooding.

John Lopez suggests that this topic be continued to the November meeting.

Kinsey Boehl states that there is a very high bar for the waivers and the full Commission would need to vote in favor.

Adrienne Lennon states that the difference between the two filings is very well documented and she believes that the Conservation Agent should be able to walk through the requirements with the applicant easily.

A motion to continue NOI file # 002-1219 for 5 Old Merrill is made by Suzanne Egan and seconded by Adrienne Lennon AIF (6)

Request for OoC Extension (002-1116)	219 Lions Mouth Road #RR (McCarthy)

Conservation Agent John Lopez addresses the Commission members on behalf of the request for an extension; stating that the requests for extensions are determined by the Commission in the length of a year or more which can be determined by the Conservation Commission.

Mike Testa President of the Amesbury Soccer Association addresses the Commission on behalf of the request; he states that ASA is requesting the continuance after the renewal of the lease with the City of Amesbury for use of the fields, back when the original project was proposed it was their intention to completely fund the project with private funds but they are now working with the City of Amesbury to allow for some public funds if needed. They do not have funds at this time to start construction.

Kinsey Boehl asks when the order officially expires. Adrienne Lennon confirms that it ends on September 18, 2018.

Kinsey Boehl asks if the order of conditions can be amended by the Commission members.

Suzanne Egan states that they cannot because the issue before the Commission is an extension, they are limited to that.

Adrienne Lennon states that she is comfortable with issuing a 3 year extension for this topic, but she wants the applicant's representative to be clear that because they are so far away from the issuance of the order and if they do find themselves able to do the work she asks that they carefully review and come to the Commission members if any requests are needed.

Kinsey Boehl states that he has an issue with voting to do something that is specifically stating not to do. The request for this extension should have been submitted 30 days prior to the expiration date of the order of conditions.

Suzanne Egan states that the conditions originally implemented by the Commission were in place for a reason. If there is a specific deadline then the Commission is limited.

Alan Corey asks when the request was submitted to the Commission.

Conservation Agent John Lopez states it was submitted 2 or 3 weeks prior to the meeting.

Matt Testa states that they begin contacting the City for this extension in July of 2018.

Conservation Commission Agent John Lopez adds that part of the process to apply for the extension is to obtain the signature of the property owner who is the Mayor of the City of Amesbury, which was provided over the last two weeks.

Alan Corey states that he would consider waiving the 30 day requirement because he understands how hard it is to obtain the Mayor's signature.

Mary Parisella asks John Lopez if he knows how long the applicant has been working with the City of Amesbury for this extension. John Lopez replies that he does not know, the Commission received it two weeks prior to the meeting.

Matt Testa states that he would have to reach out to his secretary to obtain the original request for an extension with the City of Amesbury.

Kinsey Boehl asks if the Commission is able to make a minor modification to the order of conditions.

Suzanne Egan states that they cannot do that, they can only act on what is on the agenda and what has been requested by the applicant. A modification to an order of conditions that is about to expire should have to be posted for the public.

Mary Parisella asks if they can conditionally approve the request with the applicant being required to submit written documentation of submitting a request prior to the 30 day expiration date.

Conservation Agent John Lopez states that that could be included in the extension approval.

A motion to approve the request for the order of conditions extension for DEP File # 002-1116 219 Lions Mouth Road RR for an additional 3 years (expires 09 18 2021) with the condition in place that the applicant will need to provide proof of a request before 30 days of the expiration of the current order of conditions (08 18 2018) is made by Adrienne Lennon and seconded by Alan Corey. AIF (3) Kinsey Boehl, Suzanne Egan, and Stephen Duquet oppose.

ANRAD	193 Lions Mouth Road (Gray/City of Amesbury)

Conservation Agent John Lopez briefs the Commission members; Wetland proposal is located on a 36 acre lot of municipal land. Jurisdictional resources located on site would include a 2,550 sq. ft. of BVW; a proposed intermittent (located within the BVW for its entire length); and proposed Bordering Land Subject to Flooding. Stream status of intermittent was determined based on the USGS topographic map which constitutes legal verification unless proven otherwise. To confirm the applicant states they evaluated the watershed area and found that the watershed of the stream at the point where it exits the property is only 0.13 square miles in areas. Under the regulations, the watershed is less than 0.5 square miles and is depicted on USGS maps as intermittent. Under state and local wetlands laws, an intermittent stream is not subject to.

Fred King of DGT Associates addresses the Commission members on behalf of the project; he states that they had performed delineation on this site for the proposed new school location. The original delineation is the same as what sits there today.

John Lopez informs the Commission members that this ANRAD also requests a special meeting to accommodate a time period for State grants that would help this site work. The plans would be ready by October 4th, 2018 and a special meeting scheduled for the evening of October 4 or October 5th during the day if the Commission members could make it work.

Suzanne Egan asks why there is a rush for this work to be completed.

Conservation Agent John Lopez informs the Commission members that the October 10th special meeting scheduled by the Mayor's office would require the approval to be in place for this document.

Angela Cazaden from New Mexico Design states that the Mayor is scheduling a community forum for October 10th, 2018 and they need all information ready.

Suzanne Egan confirms that the applicant is looking for an approval of the third party contract and also a confirmation for a special meeting.

John Lopez states that the Commission also has the option for picking another representative from BSC other than Jillian Davis for the third party review if they wish.

A motion to approve the third party contract for BSC to review the wetlands at 193 Lions Mouth Road is made by Suzanne Egan and seconded by Adrienne Lennon AIF (6)

Kinsey Boehl states that due to work conflicts he is unavailable for the entire month of October. Kinsey Boehl then asks if anyone from the public wishes to speak on this topic.

ABUTTER

Patricia Bradley speaks to the Commission on behalf of her mother's property located near the application site. Her main concern is the stream that runs along her mother's property, the stream was flowing and moving through the City of Amesbury and ran into the park's pond but since there was so much development including the Cashman School development it changes the wetlands in the area which affected the stream dramatically. She wants to know if the applicant has any plans to mitigate this area so this stream is not further affected by development.

Alan Corey informs Patricia Bradley that the purpose of this hearing is to confirm that the representatives here tonight will go out and mark the wetlands as they stand. There is no proposed development being discussed tonight and what she is searching for will in fact happen.

Fred King then confirms that the stream that runs along the abutter's property was designated as an intermittent stream.

Kinsey Boehl states that the Commission has made a motion to have a third party review who will confirm that the review of the proposed plans will benefit the wetlands. He states that the third party reviewer will review the wetland flags in this area, and they can ask Jillian Davis to review the stream based on the comments made tonight by the abutter to confirm if it is an intermittent stream or a perennial stream.

A motion to hold a special meeting on October 4th, 2018 at 6:30pm at the City hall is made by Suzanne Egan and seconded by Alan Corey AIF (5) Adrienne Lennon abstains.

RDA	14 Mill Street (Mass Electric d/b/a National Grid

Conservation Agent John Lopez briefs the Commission members; proposed work consists of the repair of an existing retaining wall comprised of mortared stone, concrete-faced stone and brick within Riverfront to the Powow River. Wall is in support of a National Grid substation and measures approximately 120 ft. in length. The retaining wall, built around 1936, is approximately 14 ft. high and two ft. at the opposite end. The wall is located within the developed inner riparian to Riverfront on a sloped embankment comprised of soil and sparse vegetation. Aside from Riverfront, the retaining wall is located within Bordering Land Subject to Flooding and FEMA flood zone AE(Special Flood Hazard Area Subject to Inundation by the 1% Annual Chance Flood) and a hurricane surge zone. The remaining portion of the site is located within Zone X (Areas determined to be outside the 2% Applicant assets that a 25 foot section of the mortared stone retaining wall, the mortar has deteriorated and is dislodged between the stones at the base of the wall. A concrete face section of the wall is undermined.

Dan Macintyre with *National Grid* introduces Andrea Kendall who is the environmental consultant for the project. This wall periodically has inspectors going in to inspect its performance standards but the most recent one

has shown some voids at the base of the wall that is a result of the heavy rain from this year. They would like to move in and repair these voids before they progress.

Andrea Kendall explains to the Commission members where the location of the wall is using pictures. She then goes on to explain that there will be a staging area at the top of the embankment adjacent to the substation and access to the work zone will be via foot. Andrea then explains that there will be a vehicle on site with the grout that will be pumped through a hose to the wall to fill the voids. This grout will set for 7 days and once it has dried they will remove the form and they will then be able to remove the erosion controls.

Kinsey Boehl asks Andrea Kendall to explain what will happen with the materials that are removed. Andrea replies that the workers will use buckets to remove the material off site. Nothing will be left on the site.

Adrienne Lennon informs Andrea Kendall that the distance in tide is roughly 5 feet, so as they plan their construction keep that in mind.

Andrea Kendall states that they will be using some sort of sandbags to otherwise separate the water from the area.

Alan Corey asks the applicant to confirm that the project scope is repairing a sea wall in a flood plain. Andrea Kendall confirms that he is correct.

John Lopez asks what the cost of repairing this wall will be. Has the wall outlived its economic lifespan.

Dan Macintyre states that he does not believe the wall needs to be completely replaced. They are doing periodic structural monitoring because it is very old. They have plans that are being developed to structurally reinforce the wall but that is not what they are proposing at this time. Right now they are spending under $10,000.00 dollars on the project.

John Lopez states that a national grid vehicle and a meridian engineering vehicle down on the site and abutters were asking what was going on. John states that he made a phone call and they informed him that there was a routine inspection of the site and national grid have been monitoring the migration of the substation for the last two years. John then asks Dan to elaborate on that topic.

Dan Macintyre states that this is a part of their inspection, there is a visual one done every two months for the wall and meridian goes out there with surveyors for marking the wall with survey points to check to see if there is any movement. To date the survey points have not been moving. The voids that have been discovered in recent inspections must be addressed though.

Kinsey Boehl asks if the pad on site is burm if they were to lose a transformer or oil that may effect the soil.

Dan Macintyre informs the Commission that the transformers have a secondary containment container around them. So they are burmmed

A motion to find a negative determination of applicability for 14 Mill street is made by Adrienne Lennon with the conditions that the applicant install a sign reading 'ACC 002-1114' that will remain visible to the roadway during the project. This motion is seconded by Suzanne Egan AIF (5) Alan Corey abstains

Conservation Agent John Lopez briefs the Commission regarding this NOI notice, and informs the Commission that the applicant has provided a check #371 for $68.00 and the applicant's representative will explain what that check is for.

Greg Hochmuth *Project Manager from Williams and Sparages* addresses the Commission on behalf of the applicant; he briefs the Commission on the notice of intent that come from an enforcement order where the Commission asked the property owner to remove a seasonal float and dock as well as a wooden deck that was constructed on the bank of lake attitash, then to come back to the Commission with a notice of intent for other activities that were subject to the enforcement order. The dock has since been removed, and then surveyors were sent to the site to do a topographic boundary survey to gather data for preparation of the notice of intent plan and application. The notice of intent has since then sent the dock system out far enough so that a boat at the end will have roughly 3 feet from the water surface to the bottom of the lake. They have also elevated the bottom of the seasonal dock .1 feet above the flood plain elevation to help show that they are not taking up flood storage. The activities that occurred on land include the installation of a pressure treated wood steps and decking, as well as fencing. It wasn't clear that when the enforcement fills that was brought into the site to lift up the grade was in violation. Greg adds that no trees were taken down to perform this work. Greg adds that there may be some abutters present tonight that wish to speak, along the property there was a fence installed that is considered a private way that allow folks who do not live on the lake to have access to the lake. The fence may have been installed in an area that it should not have been because it obstructs access along that private way. Not really a conservation issue but he did want to mention. The check that was provided tonight to the Commission is the fee for the 4 dollar per linear foot fee for the seasonal dock.

Kinsey Boehl asks if the applicant is proposing any mitigation on site. Greg Hochmuth replies that they are not proposing any on for this site. They may be able to put additional plantings on the existing retaining wall. The seasonal dock as they understand should be stored outside of the jurisdictional site but here this is virtually impossible. The property owner is hoping to continue to use an area right above the retaining wall to store the dock.

Kinsey Boehl states that the Commission prefers to see mitigation.

Greg Hochmuth informs the Commission that the entire lot is within the buffer zone and there is no space on the lot to safely store the dock sections that would be outside of the jurisdiction.

Alan Corey asks about the private way, he wants to know if this is the access. He would like to know if this access is an easement. Greg replies that it is a private way that only several abutters have the right to. It may result in the moving of the fence, which they will propose prior to their next hearing.

Kinsey Boehl asks what the docks cannot be stored on the driveway, to which Greg replies that there would be no place to park cars on site.

Adrienne Lennon informs the applicant that there are many orders of conditions open that look just like this one on lake attitash and all of those applicants are held to the same requests and they have done the work after coming to the Commission for an approval. This project, since they did not come to the Commission before and they have done an extensive amount of work, they do not even know what the extent of the damage that has been done.

Greg Hochmuth informs the Commission that this house was built in 1900, and the applicant has been there since the 1950's. In all of that time there has always been a dock on and stored on the property. Greg then adds that the

applicants have provided photos dating back to the 50's that shows the property to look the same and have the docks.

Suzanne Egan states that the Commission must deal with the condition of the lake as it is today. The concept of the docks being on the property 50 years ago does not have the same problems with the blue algae that was being treated by chemicals or vegetation that is being treated by chemicals. So one of the things that the Commission has to do right now is look at the lake in terms of the condition it is in now. The more development on the lake and the more docks are taking away from the wetlands that are keeping a lake healthy, if this work has been done within the last two years then that will really raise the issue.

Kinsey Boehl states that the applicant has to prove that the dock predates the requirements.

Greg Hockmuth states that to not allow this property to propose a seasonal dock is not right.

John Lopez informs the Commission that the applicant has submitted photographs from the 1060s that had a dock within the photos.

Kinsey Boehl states that he would like to see some mitigation and storage that is off site for this project that is more than 100 feet from the lake at minimum.

Adrienne Lennon states that the hearing should be continued due to the lack of mitigation plans, they would like more details about the pressurized wood. Also more information must be provided about the chain link fence and a lack of DEP file number.

ABUTTERS

Mark Carmidy is an abutter across the street from the property who addresses the Commission. He states that they have deeded access to the right of way that sits next to this home. He states that he has lived there for 14 years and there was not a dock that was owned and sat on that property within that time. There was a dock that was positioned on the right of way and there were other attempts at smaller docks by the right of way in the last 15 years. If there is a dock that is approved, they only care about their 15 foot right of way that is deeded to them and a property value that reflects that right of way.

Matt Weston of 61 Lake Attitash road addresses the Commission members on behalf of the project; he states that some of the properties that have deeded water rights have mention of docks within the deeds that they received. He is wondering what the rules are for putting docks in on the lake. Matt then adds that when he moved there 11 years ago there was a dock at that right of way and someone has moved it.

Suzanne Egan suggests having a third party review to make sure that this is following the requirements of the wetlands protection acts or the ordinance.

Adrienne Lennon agrees with the act of a 3rd party review because of the activities brought on with the enforcement order and they need to be able to show that all of the work has been cleared up and a new forward motion for the NOI filing which needs to be confirmed that it is working.

Mary Parisella then suggests that the third party reviewer should make a determination regarding the wooden steps and provide an alternative for them.

Greg Hockmuth states that they are trying to avoid a third party review to keep the cost down. If you take the wooden deck that was placed in the lake out of the equation for the enforcement order, everything else that is

being proposed is straight forward. He does not see the benefit of the third party review. He can provide the Commission more information with respects to the treated wood on site and find a place for the docks that is as far away as possible.

John Lopez adds that the dock meets the performance standards of the regulations.

Suzanne Egan believes that the third party review would be helpful to provide the alternatives and mitigation that was not proposed in the first place.

Alan Corey states that he does not believe a third party review is necessary

Mary Parisella states that she would like to give the applicant a chance to provide mitigation and the finalized plan before they push for a third party review.

A motion to continue the hearing for 66B Lake Attitash Road (Kuzmitski) to the November 5th 2018 Conservation Commission meeting is made by Adrienne Lennon and seconded by Mary Parisella AIF (6)

RDA	161, 163, 165 Kimball Road (Gage, Page & Sidilou)

Conservation Agent John Lopez briefs the Commission about this hearing; he informs the Commission that he requested that the applicant get a letter from an arborist stating that the trees are in decline and this letter was provided. Mitigation should also be proposed with this project to help prevent contamination to entering the lake from run off.

James Gage (son of the applicant) addresses the Commission on behalf of his mother's application. Leslie Page is also in attendance tonight from 161 Kimball Road but the Sidilou applicant was unable to attend tonight's meeting. He states that all 3 property owners are willing to go along with planting some additional shrubbery to help with mitigation, the increasing hurricanes and sever weather is posing a real problem for the residents because they would like to see the trees come down before they fall on their houses. He then opens up to answer any questions from the Commission.

Adrienne Lennon states that they will just need to see a drawing to show where the replacements will be planted and a 2:1 replacement plan is preferred they can go anywhere on the property.

Leslie Page argues that the width of the property is 20 feet long. He believes that a 2:1 planting plan is excessive for the area.

John Lopez states that he did suggest to the applicant a winter berry shrub that is relatively small and inexpensive.

Suzanne Lennon states that these trees do provide a canopy for the water and the loss of that would be detrimental for the lake. So shrubs would not prevent the run off being dispersed in the same pattern.

Mary Gage informs the Commission that the weed coverage for Meadowbrook is dense and there has not been anything done about the amount of protection this body of water as long as she has lived there. No mitigation or protection has been done.

Adrienne Lennon informs the applicants that the City's website that has a list of suggested plants that the applicants can choose from and they just request they pick them 2:1 they then ask that the applicants come back and present it to the Commission members.

PART 8: APPENDIX

- Amesbury Elementary School Statement of Interest
- MSBA Eligibility Invitation
- Enrollment Certification
- MSBA Feasibility Study Invitation
- Capital Budget Statement
- Project Directory
- Project Schedule

ATTACHMENT A
STATEMENT OF INTEREST

Massachusetts School Building Authority

School District Amesbury

District Contact Deirdre Farrell TEL: (978) 388-0507

Name of School Amesbury Elementary

Submission Date 4/9/2015

Note

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

1. Elimination of existing severe overcrowding.

2. Prevent of severe overcrowding expected to result from increased enrollments.

3. Replacement of or addition to obsolete buildings in order to provide for a full range of program consistent with state and approved local requirements.

Potential Project Scope: Potential New School

Is this SOI the District Priority SOI? YES

School name of the District Priority SOI: 2015 Amesbury Elementary

Is this part of a larger facilities plan? NO

If "YES", please provide the following:

Facilities Plan Date:

Planning Firm:

Please provide the current student to teacher ratios at the school facility that is the subject of this SOI: 22 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? NO

Does the District have related report(s)/document(s) that detail its facilities, student configurations at each facility, and District operational budget information, both current and proposed? NO

If "NO", please note that:
If, based on the SOI review process, a facility rises to the level of need and urgency and is invited into the Eligibility Period, the District will need to provide to the MSBA a detailed Educational Plan for not only that facility, but all facilities in the District in order to move forward in the MSBA's school building construction process.

Is there overcrowding at the school facility? YES

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

Amesbury Elementary School was originally built without kindergarten and preschool spaces, which amounts to 6 classrooms. Unable to handle growing enrollments and grade levels, Amesbury Elementary has added 6 temporary modular classrooms to the building in 1995. These temporary classrooms have far outlived the original purpose and intent. There is no other classroom space in the district which could support these functions. Our other elementary school - Cashman Elementary School - has no available classrooms for use.

Has the district had any recent teacher layoffs or reductions? YES

If "YES", how many teaching positions were affected? 35

At which schools in the district? All School

Please describe the types of teacher positions that were eliminated (e.g., art, math, science, physical education, etc.).

In FY15 HS Technology Education Teacher, HS Foreign Language, Middle School Family and Consumer Science. Cumulative budget reductions from FY06 to FY15 have been approximately 35.0 teaching FTE's.

Has the district had any recent staff layoffs or reductions? YES

If "YES", how many staff positions were affected? 55

At which schools in the district? All Schools

Please describe the types of staff positions that were eliminated (e.g., guidance, administrative, maintenance, etc.).

Cumulative budget effects from FY06 to FY15 include the reduction of 3 Administrators, 3.5 clerks, 1.0 Supt Secretary, 1.0 Facilities Manager, 1.0 Transportation Coordinator and 33.5 Paraprofessionals, outsourced cleaning services resulted - 12 cus.t

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.

Higher class sizes at HS, elimination of program offerings to HS and MS students including Foreign Language, Family Consumer Science at MS; reduced language offerings at HS and technology engineering program. Paraprofessional reduction has impacted coverage. Transportation and Facilities manager functions to the Assistant Superintendent of Schools.

Please provide a detailed description of your most recent budget approval process including a description of any budget reductions and the impact of those reductions on the district's school facilities, class sizes, and educational program.

APS budget developed with School Committee resulted in reductions due to budget needs outpacing funding level. Deliberations in late winter and early spring to determine reductions based on "gap" continued through June, when final budget voted by the City Council. Reductions listed above.

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).

Amesbury Elementary was built in 1968 to serve the elementary population. Additional temporary classrooms (modular) were constructed in 1995.

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

43560

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 site is flat, filled land. High clay content to soil. Wetlands abut the property on the northern boundary. Site may impact the ability to place a larger footprint for new school or expanding the current structure. An existing oil tank need to be removed (not currently in service) as the school is now using gas heat.

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)

20 South Hampton Road, Amesbury MA 01913

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 is a steel skeleton, with cinder block walls, both exterior and interior. The exterior wall is red brick and mortar with minimal insulation factor.

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:
N/A

Roof Section A
Is the District seeking replacement of the Roof Section? NO
Area of Section (square feet) 40000
Type of ROOF (e.g., PVC, EPDM, Shingle, Slate, Tar & Gravel, Other (please describe)
Washed Stone over rubber membrane.
Age of Section (number of years since the Roof was installed or replaced) 20
Description of repairs, if applicable, in the last three years. Include year of repair:
N/A

Roof Section B
Is the District seeking replacement of the Roof Section? NO
Area of Section (square feet) 10000
Type of ROOF (e.g., PVC, EPDM, Shingle, Slate, Tar & Gravel, Other (please describe)
temporary modular classrooms with rubber membrane

Age of Section (number of years since the Roof was installed or replaced) 20
Description of repairs, if applicable, in the last three years. Include year of repair:
silicone caulking around mechanicals, etc.

Window Section A
Is the District seeking replacement of the Windows Section? NO
Windows in Section (count) 100
Type of WINDOWS (e.g., Single Pane, Double Pane, Other (please describe))
Single Pane with aluminum frame - windows are original
Age of Section (number of years since the Windows were installed or replaced) 47
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).

Original electrical systems as built. Heat is now natural gas.

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)
Two Weill-McClain oil/gas, type 88 units, model #1088. Burner guns are original equipment.
Age of Boiler (number of years since the Boiler was installed or replaced) 47
Description of repairs, if applicable, in the last three years. Include year of repair:
None

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:
System is original

Has there been a Major Repair or Replacement of the ELECTRICAL SERVICES AND DISTRIBUTION SYSTEM? NO
Year of Last Major Repair or Replacement:(YYYY) 1968
Description of Last Major Repair or Replacement:
None

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).

Most floor tiles are the old 12X12 tiles containing asbestos. Some of the ceilings are simply the base of the pre-cast concrete. Other ceilings are suspended ceilings with 2ft by 4 ft tiles. Others are the old style 12X12 tiles attached to strapping. Walls are painted cinder block.

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

The current education program is not supported by the building, from space constrictions to fire code compliance with newer construction. The building is not ADA compliant, and does not have a fire suppression system. Because of this, students with disabilities are located in the Cashman Elementary school. These are major impediments to providing an

education program offered at Amesbury Elementary.

CORE EDUCATIONAL SPACES: Please provide a detailed description of the Core 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).

Pre K - K 950
Core 812
Art 735
Music 376
SPED 448
Library 1560
Gym 3432
Kitchen 1400
Cafe 2080
Stage 456
Office 672
Nurse 216
Guidance 280
Custodian 322
Lounge 231

CAPACITY and UTILIZATION: Please provide 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 district answered capacity issue in the mid nineties by adding temporary classrooms, which are currently still being used as classroom space. The school is currently overcrowded due to enrollment and due to mandatory program expansion for special education.

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).

The district employs a professional cleaning service and 2.0 multi-purpose facility technicians to maintain the school.

Priority 2

Question 1: Please describe the existing conditions that constitute severe overcrowding.

The Amesbury Elementary School is over capacity in key areas such as pre-k and kindergarten. Our average class size for pre-k is 15; kindergarten is 22.5 students, 22.4 students for grades 1-2 and 22.9 students for grades 3-4. Our current elementary setup necessitates special education students with physical disabilities attend the Cashman Elementary School due to the fact that Amesbury Elementary School is not ADA accessible. Current economic conditions have pushed more students back into the elementary schools, and we are seeing increased participation in preschool special and regular education services.

Priority 2

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

In 1995 the district added temporary classrooms to address the issue. However, the temporary classrooms were never replaced or removed, and the school has continued to grow in terms of enrollment and programs.

Priority 2

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.

Because the school is so overcrowded, spaces once reserved for music or art have been utilized for classroom space. This compromises the ability to teach music and art classes.

Please also provide the following:

Cafeteria Seating Capacity: 120

Number of lunch seatings per day: 5

Are modular units currently present on-site and being used for classroom space?: YES

If "YES", indicate the number of years that the modular units have been in use: 20

Number of Modular Units: 6

Classroom count in Modular Units: 6

Seating Capacity of Modular classrooms: 20

What was the original anticipated useful life in years of the modular units when they were installed?: 4

Have non-traditional classroom spaces been converted to be used for classroom space?: YES

If "YES", indicate the number of non-traditional classroom spaces in use: 1

Please provide a description of each non-traditional classroom space, its originally-intended use and how it is currently used (maximum of 1000 characters).:

Music space is currently used as classroom space.

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).:

There have been no changes other than to utilize non traditional class spaces at the elementary level to add classroom space.

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

The district does not have a class size policy.

Priority 4

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

Recent approval of several multi-home developments, with hundreds of potential sites, will greatly impact current class sizes. On top of this, current economic conditions are pushing more students from private schools back into public schools.

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.

The district renovated the Cashman Elementary School, Amesbury Middle School and Amesbury High School in the last 21 years. Amesbury Elementary School is the last remaining school to modernize our educational program.

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.

The state of the building has limited the degree to which technology is integrated into the classrooms as the electrical system is near capacity. Student access to computers in the library for research purposes is minimal due to current limits. During a significant portion of the day (11:00 - 1:30) we do not have an area to which we can bring a group of students (i.e. an entire grade) for programming (assemblies, shared direct instruction). The Amesbury Elementary School (AES) does not have the capacity to provide quality programming in music due to the limitations of the current site. The current music room is undersized which negatively impacts movement and ensemble activities, lacks appropriate/accessible storage for instruments and possesses no acoustic treatments to minimize noise impact in other learning stations. The AES philosophy encourages non-traditional instructional settings such as looping classrooms and multi-age programs. The significant lack of in-building storage presents a challenge in that teachers do not have appropriate/accessible access to the needed range of materials. The physical education program is restricted in program offerings due to safety concerns with the flooring material (tile over concrete). Space availability to work with individual or small groups of students is extremely limited. Counseling conversations can be heard in areas surrounding the space available for therapists due to the construction of the walls. The Nurse's office does not have dedicated space for a waiting area, for isolating ill children form well children, or for confidential treatment when more than one student is present. One undersized meeting area exists that is shared by administration and special education resulting in small offices for large groups on many occasions. Appropriate/accessible storage for hands-on materials in math and science does not exist, limiting our instructional approaches in these core content areas.

Please also provide the following:

Cafeteria Seating Capacity:	120
Number of lunch seatings per day:	5
Are modular units currently present on-site and being used for classroom space?:	YES
If "YES", indicate the number of years that the modular units have been in use:	20
Number of Modular Units:	6
Classroom count in Modular Units:	6
Seating Capacity of Modular classrooms:	20
What was the original anticipated useful life in years of the modular units when they were installed?:	4
Have non-traditional classroom spaces been converted to be used for classroom space?:	YES
If "YES", indicate the number of non-traditional classroom spaces in use:	1

Please provide a description of each non-traditional classroom space, its originally-intended use and how it is currently used (maximum of 1000 characters).:

Music space is currently used as classroom space.

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). :

There have been not changes other than to utilize non traditional class space at eh elementary level to add classroom space.

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

The district does not have a class size policy.

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.

Built in 1968, Amesbury Elementary School (AES) is the oldest school in operation for our district. AES is a pre-kindergarten through grade four school, housing 434 students as of October 1, 2015. The district considers AES a priority for several reasons: the building is not ADA compliant and does not have a sprinkler fire suppression system. The building's plumbing system is original, and the copper piping has begun to crack and leak, requiring the maintenance team to open up interior walls to fix ongoing issues. There are several areas where asbestos is still common - joints on piping and flooring throughout the building. Water overflow onto the property from surrounding developments have caused twisting issues with the portable classrooms, causing issues from floor jamming to tiles breaking loose. In addition, there is lack of suitable space for choral programs and small group (i.e. grade level) meeting/assembly areas. Students with orthopedic onset issues (i.e. broken legs from skiing) are required to transfer to different classrooms due to accessibility issues.

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.

Major improvements are almost impossible without addressing all of the ADA and fire suppression systems. Any major improvement would almost certainly trigger thresholds to replace these systems, so any major improvement has waited until the district submitted this SOI to the MSBA.

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.

Amesbury Elementary School has several deficiencies which are affecting our ability to heat and maintain the building in a proper way, which in turn is affecting the educational program in a negative way. Because the plumbing system is original, several of the bathrooms have original toilets in them as well, which flush much more water than what is acceptable in an efficient building. Several water fountains have also had to be shut down because of the copper tubing which has cracked and leaked. Most of the valves will need replacement in the near future, and all of these issues are affecting the efficient practices of running the building. All of the windows in the school are single pane, and are extremely energy inefficient. The department of energy toured the building several years ago and gave us a substantial report of how much energy we were losing through the building envelope. The windows were just one of the energy issues. In 1995, to address enrollment and class size concerns, the town bought and installed trailers to add 6 classrooms onto the building. These units have outlived their useful life span; however, we cannot remove them because of class size and educational program concerns. The temporary units themselves have a host of problems,

and due to ongoing issues with water and moisture in the playing fields next to the school, they are twisting and causing severe issues with doors and floor tiles. The electric service to the school is completely tapped out, which limits the ability of the technology team to install interactive whiteboards and other educational equipment. All of the kitchen equipment is original to the building, and is energy inefficient. The undersized classroom spaces, when combined with large class sizes, significantly impacts a teacher's ability to differentiate instruction through small group interventions. There is not enough room to spread the children out. There are a limited number of spaces for intervention services: currently many teachers use hallways and stairwells.

CITY OF AMESBURY

Mayor's Recommendations

CAPITAL IMPROVEMENT PROGRAM
2019 - 2023

MAYOR
C. Kenneth Gray

MAY, 2018

Executive Summary

In compliance with the City Charter (Section 5-4 (b)) the Mayor respectfully submits the following Capital Improvement Program (CIP). It should be noted that the CIP is not a static process. The creation of this CIP is based on the best available information at the time of development with some projects requiring additional price and scope information. However, circumstances during the budget year and out-years do change which may require a change in plan. This plan is a forward looking document designed to inform the community in the broadest possible way of the potential needs and demands they may be facing. In addition, a capital budget plan is a fluid document subject to change each year as priorities change and additional information becomes available. As a result, a project, which had a priority in a previous edition of the capital plan, may have a different priority in subsequent year updates. After the first year of the capital plan, the information provided in the subsequent years is not so much to provide as a formal "pecking order", but instead to identify trends far enough in advance to address problems in a rational and timely manner. Finally, the CIP does not appropriate funds, but rather functions as a budgeting tool, supporting the actual appropriations that are made through the budget year.

Capital Improvement Program

A capital improvement program is a fiscal planning tool that documents the City's capital asset needs, ranks the needs in order of project priority, and schedules projects for funding and implementation as budgetary constraints allow. The CIP is a dynamic process and one that is likely to change from year to year. The process provides the opportunity to plan for major expenditures in the future while evaluating new and current projects based on up to date data. The CIP is a composite of the City's capital needs, tempered by current and future financial capability.

What is a capital improvement?

A capital improvement is a **major, non-routine expenditure for new construction, major equipment purchase, or improvement to existing buildings, facilities, land or infrastructure, with an estimated useful life of five (5) years or more, and a cost of $5,000 or more.**

Among the items properly classified as capital improvements are:

- New public buildings, or additions to existing buildings, including land acquisition costs and equipment needed to furnish the new building or addition for the first time;
- Major alterations, renovations, or improvements to existing buildings which extend the useful life of the existing buildings by five (5) years;
- Land acquisition and/or improvement, unrelated to a public building, but necessary for conservation or parks and recreation purposes;
- Major equipment acquisition, replacement or refurbishment, with a cost of at least $25,000, and a useful life of at least five (5) years, including data processing equipment;
- New construction or major improvements to the City's physical infrastructure, including streets, sidewalks, stormwater drains, the water distribution system, and the sanitary sewer system, which extend the useful life of the infrastructure by at least five (5) years, and
- A feasibility study or engineering design services which are related to a future capital improvement.

What are the benefits of a capital improvement program?

- Facilitates coordination between capital needs and the operating budgets;
- Enhances the community's credit rating through improved fiscal planning and avoids sudden changes in its debt service requirements;

- Identifies the most economical means of financing capital projects;
- Increases opportunities for obtaining federal and state aid;
- Relates public facilities to the City's strategic plan or public and private development and redevelopment policies and plans;
- Focuses attention on community objectives and fiscal capacity;
- Keeps the public informed about future needs and projects;
- Coordinates overlapping units of local government to reduce duplication, and encourages careful project planning and design to avoid costly mistakes and reach goals.

Creating the Capital Improvement Program

The City developed an administrative process that established policies and procedures for submitting and evaluating projects. This includes:

- Instructions for identifying and submitting projects;
- A schedule for the submission of projects, and

Capital Program Categories

In an effort to gain consistency in categorizing and evaluating projects this program is divided into the following six "Program Categories".

Land - The acquisition through purchase, long term lease, with or without conditions, of undeveloped real estate. If the acquisition of land is associated with the acquisition of a building or an infrastructure project, the project should be categorized in those respective categories.

Building - The replacement, renovation, addition to, construction or acquisition through purchase or long-term lease of a building structure or a major component thereof.

Infrastructure – This category would include such things as water and sewer pipes, pumping stations, roadwork, sidewalks, traffic signals, drainage systems and other improvements of a lasting nature but not related to building structures.

Equipment (Rolling) – All equipment that meets the definition of a capital project item that is capable of self-propulsion from one location to another.

Equipment (Non-rolling) – All other equipment that meets the definition of a capital project item. The item may be transportable; however, if it is capable of moving under its own power it should be classified under "Equipment (rolling)". If the item is a piece of equipment that is intended to be permanently installed in a building such as an air conditioner or a furnace, that item should be classified under "Building".

Technology – All technology related equipment of projects.

Project Requests and Recommendations

The following pages contain the list of projects recommended for fiscal year 2019 along with the full list for all years. In general, the recommended projects have been prioritized such that they ensure efficient delivery of services to the community while controlling both short and long term costs.

Fiscal Year 2019-2023
Capital Project Listings

City of Amesbury
Capital Projects - By Category

Project Category	Department	ID	Project Title	Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023
Building									
	Library	5	Library Building Heating and Plumbing System	General Bond	$ -	$ 100,000	$ -	$ -	$ -
	Library	6	Library Building and Envelope Repairs	General Bond	-	200,000	-	-	-
	Library	8	Library Building Feasibility Study	General Bond	-	75,000	-	-	-
	School	62	School Window Replacement	General Bond	-	10,000	-	-	-
	School	85	AHS Field Repairs	General Bond	-	50,000	-	-	-
	School	86	AHS Athletic Field Fence Repairs	General Bond	-	30,000	-	-	-
	DPW	97	Town Hall and Ordway Interior Improvements	Capital Fund	8,230	5,000	5,000	5,000	5,000
	School	105	Amesbury Elementary School Improvements	General Bond	900,000	20,000,000	-	-	-
	DPW	109	City Hall Handicap Entrance	General Bond	50,000	-	-	-	-
	DPW	110	City Hall Front Entrance	General Bond	80,000	-	-	-	-
	School	142	AMS Hot Water Tank Replacement - 450-gallon	Capital Fund	-	40,000	-	-	-
	School	145	AMS Hot Water Tank Replacement - 800-gallon	Capital Fund	-	80,000	-	-	-
	School	146	AHS Boiler Repair Project	Capital Fund	-	-	25,000	-	-
	DPW	163	HVAC	General Bond	110,000	-	-	-	-
	Police	175	Repair replacing/building damage from prior storm(s)	General Bond	100,000	-	-	-	-
	Police	179	Handicap Access to Police Facility	General Bond	90,000	-	-	-	-
	Police	180	Repair/replace building damage	General Bond	-	200,000	-	-	-
	Police	181	Repair/replace damage	General Bond	-	-	100,000	-	-
	Police	183	Police/FireStation Sprinkler System	Capital Fund	-	-	-	175,000	-
	School	185	Handicap Accessible Doors at CES & AMS	Capital Fund	-	15,000	15,000	-	-
	School	188	AHS Storage Room Repairs	Capital Fund	-	65,000	-	-	-
	School	189	AHS & AMS Building Envelope/Window Assessment	Capital Fund	-	12,000	-	-	-
	School	190	AHS Condenser Unit	Capital Fund	-	11,000	-	-	-
	School	192	AMS Presssure Wash Exterior of Buildling	Capital Fund	-	10,500	10,500	10,500	10,500
	School	193	AMS Security Panel	Capital Fund	-	-	6,000	-	-
	Youth Services	200	The New Great Lodge 40X20	Youth Fund	6,000	7,000	21,000	-	-
Building Category Total (26 detail records)					1,344,230	20,910,500	182,500	190,500	15,500
Percent of Total					35.87%	91.08%	3.51%	14.29%	1.75%
Equipment (Non-Rolling)									
	School	82	AMS Cafeteria Oven	General Bond	-	50,800	-	-	-
	School	83	AHS Cafeteria Equipment Repairs	General Bond	-	40,000	-	-	-
	DPW	92	Tree Chipper	Capital Fund	15,000	-	-	-	-
	City Clerk	127	Fire Proof Cabinet	Capital Fund	-	6,400	-	-	-
	School	186	AHS Special Education Program Equipment	Capital Fund	-	15,000	-	-	-
	School	187	AHS Kitchen Garbage Disposal	Capital Fund	-	5,800	-	-	-
	School	191	Mower replacement	Capital Fund	-	15,000	15,000	-	-
	Sewer	196	Water Meters	Sewer Capital Budget	50,000	100,000	50,000	50,000	50,000
	Fire	203	Radio Replacement	Capital Fund	-	45,898	-	-	-

City of Amesbury
Capital Projects - By Category

Project Category	Department	ID	Project Title	Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023
Equipment (Non-Rolling) Category Total (9 detail records)					65,000	278,898	65,000	50,000	50,000
Percent of Total					1.73%	1.21%	1.25%	3.75%	5.63%
Equipment (Rolling)									
	Water	56	Water Department Backhoe	Water Capital Budget	52,000	-	-	-	-
	Health	88	Animal Control Vehicle	Capital Fund	-	30,000	-	-	-
	DPW	102	Excavator	Capital Fund	-	65,000	65,000	-	-
	DPW - Snow & Ice	111	New Snow Truck	Capital Fund	30,000	30,000	30,000	-	-
	DPW - Snow & Ice	112	Refurbish Plows	Capital Fund	10,000	10,000	-	-	-
	Sewer	115	Replace Truck #25	Sewer Capital Budget	19,044	25,000	25,000	25,000	25,000
	Fire	154	Ford F350 and Cardio Monitors	Capital Fund	48,300	-	-	-	-
	Fire	155	Engine/Pumper	Capital Fund	95,750	95,750	95,750	-	-
	School	158	Special Education Van Lease/Purchase	Capital Fund	10,000	10,000	10,000	-	-
	School	159	Special Education Van ADA Compliant Lease/Purchase	Capital Fund	15,000	15,000	15,000	-	-
	DPW	162	Hot Box	Capital Fund	-	16,000	16,000	16,000	-
	DPW	164	Sanders	Capital Fund	-	45,000	-	-	-
	Police	184	Crime Scene/Major Incident Command Vehicle	Capital Fund	-	-	-	-	100,000
	School	195	3/4 ton pickup truck with plow	Capital Fund	-	-	-	50,000	-
	Fire	201	Ambulance Replacement	Receipts Reserved for Ambulance	-	85,000	85,000	85,000	-
	Fire	202	Engine / Ladder Replacement	Capital Fund	-	-	221,860	221,860	221,860
	Fire	204	Command Car	Capital Fund	-	15,000	15,000	15,000	-
Equipment (Rolling) Category Total (17 detail records)					280,094	441,750	578,610	412,860	346,860
Percent of Total					7.47%	1.92%	11.13%	30.96%	39.09%
Infrastructure									
	DPW	13	Archbrook Culvert	General Bond	-	-	800,000	-	-
	DPW	31	Oak Bridge Replacement	General Bond	-	240,000	-	-	-
	DPW	33	Clark Pond Dam Rehabilitation	Capital Fund	-	-	50,000	150,000	-
	DPW	34	Masonry Bridge Repairs	General Bond	50,000	200,000	-	-	-
	DPW	35	Newton Road Weir Rehabilitation	General Bond	700,000	-	-	-	-
	DPW	42	Various Road Projects	Available Free Cash	200,000	200,000	200,000	200,000	200,000
	Water	57	Pleasant Valley Road Water Main	Enterprise Bond	150,000	300,000	3,000,000	-	-
	Water	58	Water Main Repair/Replace	Water Capital Budget	-	-	150,000	150,000	150,000
	Sewer	59	Sewer Main Repair/Replace	Sewer Capital Budget	-	100,000	100,000	100,000	100,000
	Sewer	116	Whitehall Road Manhole Rehab	Sewer Capital Budget	-	70,000	-	-	-
	Sewer	117	Hoyt Avenue Generator	Sewer Capital Budget	-	30,000	-	-	-
	School	144	AHS Sewer Line Repair	Capital Fund	-	13,000	-	-	-
	School	147	CES Soccer Field Irrigation System	Capital Fund	-	-	-	25,000	-
	Police	177	Dispatch Radio/Tower Upgrade	General Bond	50,000	-	-	-	-
	Fire	205	Generator Switch	Capital Fund	-	25,000	-	-	-

City of Amesbury
Capital Projects - By Category

Project Category	Department	ID	Project Title	Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023
Infrastructure Category Total (15 detail records)					1,150,000	1,178,000	4,300,000	625,000	450,000
Percent of Total					30.68%	5.13%	82.73%	46.87%	50.71%
Land									
	School	194	AMS Retaining Wall & Sidewalk	Capital Fund	-	-	6,700	-	-
Land Category Total (1 detail record)					-	-	6,700	-	-
Percent of Total					0.00%	0.00%	0.13%	0.00%	0.00%
Technology									
	City Clerk	4	De-Acidification and Conservation of Vital Records	Capital Fund	-	10,000	20,000	20,000	-
	DPW	113	Fleet GPS	Capital Fund	-	25,000	25,000	25,000	25,000
	DPW	114	GPS Locator	Capital Fund	-	5,000	-	-	-
	MIS	137	Network Switch Upgrade	General Bond	58,250	-	-	-	-
	MIS	138	Server Upgrade	General Bond	48,000	-	-	-	-
	Library	165	Technology Upgrade (Priority 1)	General Bond	18,500	-	-	-	-
	MIS	167	City Server Room	General Bond	12,000	-	-	-	-
	MIS	168	UTM (Unified Threat Management) Upgrade	General Bond	41,300	-	-	-	-
	MIS	169	City Wireless Expansion	General Bond	38,500	-	-	-	-
	MIS	170	Replacement of End of Life Netgear Storage Array.	General Bond	10,000	-	-	-	-
	MIS	171	Replace end of life servers	General Bond	105,000	-	-	-	-
	MIS	172	Upgrade City/School phone systems	General Bond	70,000	-	-	-	-
	MIS	173	Upgrade Email Server for City Users	General Bond	-	20,450	-	-	-
	MIS	174	Upgrade City/School Security System	General Bond	205,000	-	-	-	-
	Police	176	CAD/RMS Upgrade (IMC)	General Bond	123,000	-	-	-	-
	Police	178	IMC/Radio/911 Server Room	General Bond	75,000	-	-	-	-
	Police	182	Police MIS Upgrade	General Bond	-	60,000	-	-	-
	Water	197	Scada Upgrade	Water Capital Budget	104,000	30,000	20,000	10,000	-
Technology Category Total (18 detail records)					908,550	150,450	65,000	55,000	25,000
Percent of Total					24.24%	0.66%	1.25%	4.12%	2.82%
Grand Total					**$ 3,747,874**	**$ 22,959,598**	**$ 5,197,810**	**$ 1,333,360**	**$ 887,360**

City of Amesbury
Capital Projects - By Department

Department	ID	Project Title	Project Category	Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023
City Clerk									
	4	De-Acidification and Conservation of Vital Records	Technology	Capital Fund	$ -	$ 10,000	$ 20,000	$ 20,000	$ -
	127	Fire Proof Cabinet	Equipment (Non-Rolling)	Capital Fund	-	6,400	-	-	-
City Clerk Department Total (2 detail records)					-	16,400	20,000	20,000	-
Percent of Total					0.00%	0.07%	0.38%	1.50%	0.00%
DPW									
	13	Archbrook Culvert	Infrastructure	General Bond	-	-	800,000	-	-
	31	Oak Bridge Replacement	Infrastructure	General Bond	-	240,000	-	-	-
	33	Clark Pond Dam Rehabilitation	Infrastructure	Capital Fund	-	-	50,000	150,000	-
	34	Masonry Bridge Repairs	Infrastructure	General Bond	50,000	200,000	-	-	-
	35	Newton Road Weir Rehabilitation	Infrastructure	General Bond	700,000	-	-	-	-
	42	Various Road Projects	Infrastructure	Available Free Cash	200,000	200,000	200,000	200,000	200,000
	92	Tree Chipper	Equipment (Non-Rolling)	Capital Fund	15,000	-	-	-	-
	97	Town Hall and Ordway Interior Improvements	Building	Capital Fund	8,230	5,000	5,000	5,000	5,000
	102	Excavator	Equipment (Rolling)	Capital Fund	-	65,000	65,000	-	-
	109	City Hall Handicap Entrance	Building	General Bond	50,000	-	-	-	-
	110	City Hall Front Entrance	Building	General Bond	80,000	-	-	-	-
	113	Fleet GPS	Technology	Capital Fund	-	25,000	25,000	25,000	25,000
	114	GPS Locator	Technology	Capital Fund	-	5,000	-	-	-
	162	Hot Box	Equipment (Rolling)	Capital Fund	-	16,000	16,000	16,000	-
	163	HVAC	Building	General Bond	110,000	-	-	-	-
	164	Sanders	Equipment (Rolling)	Capital Fund	-	45,000	-	-	-
DPW Department Total (16 detail records)					1,213,230	801,000	1,161,000	396,000	230,000
Percent of Total					32.37%	3.49%	22.34%	29.70%	25.92%
DPW - Snow & Ice									
	111	New Snow Truck	Equipment (Rolling)	Capital Fund	30,000	30,000	30,000	-	-
	112	Refurbish Plows	Equipment (Rolling)	Capital Fund	10,000	10,000	-	-	-
DPW - Snow & Ice Department Total (2 detail records)					40,000	40,000	30,000	-	-
Percent of Total					1.07%	0.17%	0.58%	0.00%	0.00%
Fire									
	154	Ford F350 and Cardio Monitors	Equipment (Rolling)	Capital Fund	48,300	-	-	-	-
	155	Engine/Pumper	Equipment (Rolling)	Capital Fund	95,750	95,750	95,750	-	-
	201	Ambulance Replacement	Equipment (Rolling)	Receipts Reserved for Ambulance	-	85,000	85,000	85,000	-
	202	Engine / Ladder Replacement	Equipment (Rolling)	Capital Fund	-	-	221,860	221,860	221,860
	203	Radio Replacement	Equipment (Non-Rolling)	Capital Fund	-	45,898	-	-	-
	204	Command Car	Equipment (Rolling)	Capital Fund	-	15,000	15,000	15,000	-
	205	Generator Switch	Infrastructure	Capital Fund	-	25,000	-	-	-

City of Amesbury
Capital Projects - By Department

Department	ID	Project Title	Project Category	Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023
Fire Department Total (7 detail records)					144,050	266,648	417,610	321,860	221,860
Percent of Total					3.84%	1.16%	8.03%	24.14%	25.00%
Health									
	88	Animal Control Vehicle	Equipment (Rolling)	Capital Fund	-	30,000	-	-	-
Health Department Total (1 detail record)					-	30,000	-	-	-
Percent of Total					0.00%	0.13%	0.00%	0.00%	0.00%
Library									
	5	Library Building Heating and Plumbing System	Building	General Bond	-	100,000	-	-	-
	6	Library Building and Envelope Repairs	Building	General Bond	-	200,000	-	-	-
	8	Library Building Feasibility Study	Building	General Bond	-	75,000	-	-	-
	165	Technology Upgrade (Priority 1)	Technology	General Bond	18,500	-	-	-	-
Library Department Total (4 detail records)					18,500	375,000	-	-	-
Percent of Total					0.49%	1.63%	0.00%	0.00%	0.00%
MIS									
	137	Network Switch Upgrade	Technology	General Bond	58,250	-	-	-	-
	138	Server Upgrade	Technology	General Bond	48,000	-	-	-	-
	167	City Server Room	Technology	General Bond	12,000	-	-	-	-
	168	UTM (Unified Threat Management) Upgrade	Technology	General Bond	41,300	-	-	-	-
	169	City Wireless Expansion	Technology	General Bond	38,500	-	-	-	-
	170	Replacement of End of Life Netgear Storage Array.	Technology	General Bond	10,000	-	-	-	-
	171	Replace end of life servers	Technology	General Bond	105,000	-	-	-	-
	172	Upgrade City/School phone systems	Technology	General Bond	70,000	-	-	-	-
	173	Upgrade Email Server for City Users	Technology	General Bond	-	20,450	-	-	-
	174	Upgrade City/School Security System	Technology	General Bond	205,000	-	-	-	-
MIS Department Total (10 detail records)					588,050	20,450	-	-	-
Percent of Total					15.69%	0.09%	0.00%	0.00%	0.00%
Police									
	175	Repair replacing/building damage from prior storm(s)	Building	General Bond	100,000	-	-	-	-
	176	CAD/RMS Upgrade (IMC)	Technology	General Bond	123,000	-	-	-	-
	177	Dispatch Radio/Tower Upgrade	Infrastructure	General Bond	50,000	-	-	-	-
	178	IMC/Radio/911 Server Room	Technology	General Bond	75,000	-	-	-	-
	179	Handicap Access to Police Facility	Building	General Bond	90,000	-	-	-	-
	180	Repair/replace building damage	Building	General Bond	-	200,000	-	-	-
	181	Repair/replace damage	Building	General Bond	-	-	100,000	-	-
	182	Police MIS Upgrade	Technology	General Bond	-	60,000	-	-	-
	183	Police/FireStation Sprinkler System	Building	Capital Fund	-	-	-	175,000	-

City of Amesbury
Capital Projects - By Department

Department	ID	Project Title	Project Category	Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023
	184	Crime Scene/Major Incident Command Vehicle	Equipment (Rolling)	Capital Fund	-	-	-	-	100,000
Police Department Total (10 detail records)					438,000	260,000	100,000	175,000	100,000
Percent of Total					11.69%	1.13%	1.92%	13.12%	11.27%
School									
	62	School Window Replacement	Building	General Bond	-	10,000	-	-	-
	82	AMS Cafeteria Oven	Equipment (Non-Rolling)	General Bond	-	50,800	-	-	-
	83	AHS Cafeteria Equipment Repairs	Equipment (Non-Rolling)	General Bond	-	40,000	-	-	-
	85	AHS Field Repairs	Building	General Bond	-	50,000	-	-	-
	86	AHS Athletic Field Fence Repairs	Building	General Bond	-	30,000	-	-	-
	105	Amesbury Elementary School Improvements	Building	General Bond	900,000	20,000,000	-	-	-
	142	AMS Hot Water Tank Replacement - 450-gallon	Building	Capital Fund	-	40,000	-	-	-
	144	AHS Sewer Line Repair	Infrastructure	Capital Fund	-	13,000	-	-	-
	145	AMS Hot Water Tank Replacement - 800-gallon	Building	Capital Fund	-	80,000	-	-	-
	146	AHS Boiler Repair Project	Building	Capital Fund	-	-	25,000	-	-
	147	CES Soccer Field Irrigation System	Infrastructure	Capital Fund	-	-	-	25,000	-
	158	Special Education Van Lease/Purchase	Equipment (Rolling)	Capital Fund	10,000	10,000	10,000	-	-
	159	Special Education Van ADA Compliant Lease/Purchase	Equipment (Rolling)	Capital Fund	15,000	15,000	15,000	-	-
	185	Handicap Accessible Doors at CES & AMS	Building	Capital Fund	-	15,000	15,000	-	-
	186	AHS Special Education Program Equipment	Equipment (Non-Rolling)	Capital Fund	-	15,000	-	-	-
	187	AHS Kitchen Garbage Disposal	Equipment (Non-Rolling)	Capital Fund	-	5,800	-	-	-
	188	AHS Storage Room Repairs	Building	Capital Fund	-	65,000	-	-	-
	189	AHS & AMS Building Envelope/Window Assessment	Building	Capital Fund	-	12,000	-	-	-
	190	AHS Condenser Unit	Building	Capital Fund	-	11,000	-	-	-
	191	Mower replacement	Equipment (Non-Rolling)	Capital Fund	-	15,000	15,000	-	-
	192	AMS Presssure Wash Exterior of Buildling	Building	Capital Fund	-	10,500	10,500	10,500	10,500
	193	AMS Security Panel	Building	Capital Fund	-	-	6,000	-	-
	194	AMS Retaining Wall & Sidewalk	Land	Capital Fund	-	-	6,700	-	-
	195	3/4 ton pickup truck with plow	Equipment (Rolling)	Capital Fund	-	-	-	50,000	-
School Department Total (24 detail records)					925,000	20,488,100	103,200	85,500	10,500
Percent of Total					24.68%	89.24%	1.99%	6.41%	1.18%
Sewer									
	59	Sewer Main Repair/Replace	Infrastructure	Sewer Capital Budget	-	100,000	100,000	100,000	100,000
	115	Replace Truck #25	Equipment (Rolling)	Sewer Capital Budget	19,044	25,000	25,000	25,000	25,000
	116	Whitehall Road Manhole Rehab	Infrastructure	Sewer Capital Budget	-	70,000	-	-	-
	117	Hoyt Avenue Generator	Infrastructure	Sewer Capital Budget	-	30,000	-	-	-
	196	Water Meters	Equipment (Non-Rolling)	Sewer Capital Budget	50,000	100,000	50,000	50,000	50,000
Sewer Department Total (5 detail records)					69,044	325,000	175,000	175,000	175,000
Percent of Total					1.84%	1.42%	3.37%	13.12%	19.72%

City of Amesbury
Capital Projects - By Department

Department	ID	Project Title	Project Category	Funding Source	FY2019	FY2020	FY2021	FY2022	FY2023
Water									
	56	Water Department Backhoe	Equipment (Rolling)	Water Capital Budget	52,000	-	-	-	-
	57	Pleasant Valley Road Water Main	Infrastructure	Enterprise Bond	150,000	300,000	3,000,000	-	-
	58	Water Main Repair/Replace	Infrastructure	Water Capital Budget	-	-	150,000	150,000	150,000
	197	Scada Upgrade	Technology	Water Capital Budget	104,000	30,000	20,000	10,000	-
Water Department Total (4 detail records)					306,000	330,000	3,170,000	160,000	150,000
Percent of Total					8.16%	1.44%	60.99%	12.00%	16.90%
Youth Services									
	200	The New Great Lodge 40X20	Building	Youth Fund	6,000	7,000	21,000	-	-
Youth Services Department Total (1 detail record)					6,000	7,000	21,000	-	-
Percent of Total					0.16%	0.03%	0.40%	0.00%	0.00%
Grand Total					**$ 3,747,874**	**$ 22,959,598**	**$ 5,197,810**	**$ 1,333,360**	**$ 887,360**

City of Amesbury
Capital Projects - By Funding Source

Funding Source	Department	ID	Project Title	Project Category	FY2019	FY2020	FY2021	FY2022	FY2023
Available Free Cash									
	DPW	42	Various Road Projects	Infrastructure	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000
Available Free Cash Funding Source Total (1 detail record)					200,000	200,000	200,000	200,000	200,000
Percent of Total					5.34%	0.87%	3.85%	15.00%	22.54%
Capital Fund									
	City Clerk	4	De-Acidification and Conservation of Vital Records	Technology	-	10,000	20,000	20,000	-
	DPW	33	Clark Pond Dam Rehabilitation	Infrastructure	-	-	50,000	150,000	-
	Health	88	Animal Control Vehicle	Equipment (Rolling)	-	30,000	-	-	-
	DPW	92	Tree Chipper	Equipment (Non-Rolling)	15,000	-	-	-	-
	DPW	97	Town Hall and Ordway Interior Improvements	Building	8,230	5,000	5,000	5,000	5,000
	DPW	102	Excavator	Equipment (Rolling)	-	65,000	65,000	-	-
	DPW - Snow & Ice	111	New Snow Truck	Equipment (Rolling)	30,000	30,000	30,000	-	-
	DPW - Snow & Ice	112	Refurbish Plows	Equipment (Rolling)	10,000	10,000	-	-	-
	DPW	113	Fleet GPS	Technology	-	25,000	25,000	25,000	25,000
	DPW	114	GPS Locator	Technology	-	5,000	-	-	-
	City Clerk	127	Fire Proof Cabinet	Equipment (Non-Rolling)	-	6,400	-	-	-
	School	142	AMS Hot Water Tank Replacement - 450-gallon	Building	-	40,000	-	-	-
	School	144	AHS Sewer Line Repair	Infrastructure	-	13,000	-	-	-
	School	145	AMS Hot Water Tank Replacement - 800-gallon	Building	-	80,000	-	-	-
	School	146	AHS Boiler Repair Project	Building	-	-	25,000	-	-
	School	147	CES Soccer Field Irrigation System	Infrastructure	-	-	-	25,000	-
	Fire	154	Ford F350 and Cardio Monitors	Equipment (Rolling)	48,300	-	-	-	-
	Fire	155	Engine/Pumper	Equipment (Rolling)	95,750	95,750	95,750	-	-
	School	158	Special Education Van Lease/Purchase	Equipment (Rolling)	10,000	10,000	10,000	-	-
	School	159	Special Education Van ADA Compliant Lease/Purchase	Equipment (Rolling)	15,000	15,000	15,000	-	-
	DPW	162	Hot Box	Equipment (Rolling)	-	16,000	16,000	16,000	-
	DPW	164	Sanders	Equipment (Rolling)	-	45,000	-	-	-
	Police	183	Police/FireStation Sprinkler System	Building	-	-	-	175,000	-
	Police	184	Crime Scene/Major Incident Command Vehicle	Equipment (Rolling)	-	-	-	-	100,000
	School	185	Handicap Accessible Doors at CES & AMS	Building	-	15,000	15,000	-	-
	School	186	AHS Special Education Program Equipment	Equipment (Non-Rolling)	-	15,000	-	-	-
	School	187	AHS Kitchen Garbage Disposal	Equipment (Non-Rolling)	-	5,800	-	-	-
	School	188	AHS Storage Room Repairs	Building	-	65,000	-	-	-
	School	189	AHS & AMS Building Envelope/Window Assessment	Building	-	12,000	-	-	-
	School	190	AHS Condenser Unit	Building	-	11,000	-	-	-
	School	191	Mower replacement	Equipment (Non-Rolling)	-	15,000	15,000	-	-
	School	192	AMS Presssure Wash Exterior of Buildling	Building	-	10,500	10,500	10,500	10,500
	School	193	AMS Security Panel	Building	-	-	6,000	-	-

City of Amesbury
Capital Projects - By Funding Source

Funding Source	Department	ID	Project Title	Project Category	FY2019	FY2020	FY2021	FY2022	FY2023
	School	194	AMS Retaining Wall & Sidewalk	Land	-	-	6,700	-	-
	School	195	3/4 ton pickup truck with plow	Equipment (Rolling)	-	-	-	50,000	-
	Fire	202	Engine / Ladder Replacement	Equipment (Rolling)	-	-	221,860	221,860	221,860
	Fire	203	Radio Replacement	Equipment (Non-Rolling)	-	45,898	-	-	-
	Fire	204	Command Car	Equipment (Rolling)	-	15,000	15,000	15,000	-
	Fire	205	Generator Switch	Infrastructure	-	25,000	-	-	-
Capital Fund Funding Source Total (39 detail records)					232,280	736,348	646,810	713,360	362,360
Percent of Total					6.20%	3.21%	12.44%	53.50%	40.84%
Enterprise Bond									
	Water	57	Pleasant Valley Road Water Main	Infrastructure	150,000	300,000	3,000,000	-	-
Enterprise Bond Funding Source Total (1 detail record)					150,000	300,000	3,000,000	-	-
Percent of Total					4.00%	1.31%	57.72%	0.00%	0.00%
General Bond									
	Library	5	Library Building Heating and Plumbing System	Building	-	100,000	-	-	-
	Library	6	Library Building and Envelope Repairs	Building	-	200,000	-	-	-
	Library	8	Library Building Feasibility Study	Building	-	75,000	-	-	-
	DPW	13	Archbrook Culvert	Infrastructure	-	-	800,000	-	-
	DPW	31	Oak Bridge Replacement	Infrastructure	-	240,000	-	-	-
	DPW	34	Masonry Bridge Repairs	Infrastructure	50,000	200,000	-	-	-
	DPW	35	Newton Road Weir Rehabilitation	Infrastructure	700,000	-	-	-	-
	School	62	School Window Replacement	Building	-	10,000	-	-	-
	School	82	AMS Cafeteria Oven	Equipment (Non-Rolling)	-	50,800	-	-	-
	School	83	AHS Cafeteria Equipment Repairs	Equipment (Non-Rolling)	-	40,000	-	-	-
	School	85	AHS Field Repairs	Building	-	50,000	-	-	-
	School	86	AHS Athletic Field Fence Repairs	Building	-	30,000	-	-	-
	School	105	Amesbury Elementary School Improvements	Building	900,000	20,000,000	-	-	-
	DPW	109	City Hall Handicap Entrance	Building	50,000	-	-	-	-
	DPW	110	City Hall Front Entrance	Building	80,000	-	-	-	-
	MIS	137	Network Switch Upgrade	Technology	58,250	-	-	-	-
	MIS	138	Server Upgrade	Technology	48,000	-	-	-	-
	DPW	163	HVAC	Building	110,000	-	-	-	-
	Library	165	Technology Upgrade (Priority 1)	Technology	18,500	-	-	-	-
	MIS	167	City Server Room	Technology	12,000	-	-	-	-
	MIS	168	UTM (Unified Threat Management) Upgrade	Technology	41,300	-	-	-	-
	MIS	169	City Wireless Expansion	Technology	38,500	-	-	-	-
	MIS	170	Replacement of End of Life Netgear Storage Array.	Technology	10,000	-	-	-	-
	MIS	171	Replace end of life servers	Technology	105,000	-	-	-	-

City of Amesbury
Capital Projects - By Funding Source

Funding Source	Department	ID	Project Title	Project Category	FY2019	FY2020	FY2021	FY2022	FY2023
	MIS	172	Upgrade City/School phone systems	Technology	70,000	-	-	-	-
	MIS	173	Upgrade Email Server for City Users	Technology	-	20,450	-	-	-
	MIS	174	Upgrade City/School Security System	Technology	205,000	-	-	-	-
	Police	175	Repair replacing/building damage from prior storm(s)	Building	100,000	-	-	-	-
	Police	176	CAD/RMS Upgrade (IMC)	Technology	123,000	-	-	-	-
	Police	177	Dispatch Radio/Tower Upgrade	Infrastructure	50,000	-	-	-	-
	Police	178	IMC/Radio/911 Server Room	Technology	75,000	-	-	-	-
	Police	179	Handicap Access to Police Facility	Building	90,000	-	-	-	-
	Police	180	Repair/replace building damage	Building	-	200,000	-	-	-
	Police	181	Repair/replace damage	Building	-	-	100,000	-	-
	Police	182	Police MIS Upgrade	Technology	-	60,000	-	-	-
General Bond Funding Source Total (35 detail records)					2,934,550	21,276,250	900,000	-	-
Percent of Total					78.30%	92.67%	17.31%	0.00%	0.00%
Receipts Reserved for Ambulance									
	Fire	201	Ambulance Replacement	Equipment (Rolling)	-	85,000	85,000	85,000	-
Receipts Reserved for Ambulance Funding Source Total (1 detail record)					-	85,000	85,000	85,000	-
Percent of Total					0.00%	0.37%	1.64%	6.37%	0.00%
Sewer Capital Budget									
	Sewer	59	Sewer Main Repair/Replace	Infrastructure	-	100,000	100,000	100,000	100,000
	Sewer	115	Replace Truck #25	Equipment (Rolling)	19,044	25,000	25,000	25,000	25,000
	Sewer	116	Whitehall Road Manhole Rehab	Infrastructure	-	70,000	-	-	-
	Sewer	117	Hoyt Avenue Generator	Infrastructure	-	30,000	-	-	-
	Sewer	196	Water Meters	Equipment (Non-Rolling)	50,000	100,000	50,000	50,000	50,000
Sewer Capital Budget Funding Source Total (5 detail records)					69,044	325,000	175,000	175,000	175,000
Percent of Total					1.84%	1.42%	3.37%	13.12%	19.72%
Water Capital Budget									
	Water	56	Water Department Backhoe	Equipment (Rolling)	52,000	-	-	-	-
	Water	58	Water Main Repair/Replace	Infrastructure	-	-	150,000	150,000	150,000
	Water	197	Scada Upgrade	Technology	104,000	30,000	20,000	10,000	-
Water Capital Budget Funding Source Total (3 detail records)					156,000	30,000	170,000	160,000	150,000
Percent of Total					4.16%	0.13%	3.27%	12.00%	16.90%
Youth Fund									
	Youth Services	200	The New Great Lodge 40X20	Building	6,000	7,000	21,000	-	-
Youth Fund Funding Source Total (1 detail record)					6,000	7,000	21,000	-	-
Percent of Total					0.16%	0.03%	0.40%	0.00%	0.00%

City of Amesbury
Capital Projects - By Funding Source

Funding Source	Department	ID	Project Title	Project Category	FY2019	FY2020	FY2021	FY2022	FY2023
Grand Total					**$ 3,747,874**	**$ 22,959,598**	**$ 5,197,810**	**$ 1,333,360**	**$ 887,360**

Massachusetts School Building Authority

Deborah B. Goldberg
Chairman, State Treasurer

Maureen G. Valente
Chief Executive Officer

John K. McCarthy
Executive Director / Deputy CEO

July 20, 2016

The Honorable Kenneth Gray, Mayor
City of Amesbury
Mayor's Office
62 Friend Street
Amesbury, MA 01913

Re: City of Amesbury, Amesbury Elementary School

Dear Mayor Gray:

I am pleased to report that the Massachusetts School Building Authority (the "MSBA") Board of Directors voted to invite the Statement of Interest (the "SOI") for the Amesbury Elementary School in the City of Amesbury (the "City") into the MSBA's Eligibility Period. The 270-day Eligibility Period formalizes and streamlines the beginning of the MSBA's grant approval process and benefits the City by providing a definitive schedule for the completion of preliminary requirements, assisting with the determination of financial and community readiness, and identifying needs for planning and budgeting. Successful completion of all activities in the Eligibility Period will allow the City to be eligible for an MSBA invitation to Feasibility Study.

Invitation into the Eligibility Period is ***not*** an invitation to Feasibility Study. Moving forward in the MSBA's process requires collaboration with the MSBA, and an invitation to Feasibility Study will require a further vote of the MSBA Board of Directors. 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 and regulations, which require MSBA partnership and approval at each step of the process.

The City's Eligibility Period will commence on August 3, 2016 and conclude on June 1, 2017. During this time, the City must complete the preliminary requirements in accordance with the schedule on page three of this letter. The first item that requires completion by the City is the Initial Compliance Certification, which is attached to this letter.

The ability of the City to complete the preliminary requirements within the 270 days does not guarantee an invitation into the MSBA Capital Pipeline. Further, if the City cannot complete the preliminary requirements within the 270-day Eligibility Period, the MSBA will require the City to withdraw its SOI, and the City will have to re-file an SOI during

the next open SOI filing period and/or when the City has the required financial and community support.

If the City has concerns about meeting any of the deadlines set forth on page three of this letter, please notify the MSBA in writing by August 3, 2016. If you have questions or would like additional information regarding the Eligibility Period, please refer to our website (http://www.massschoolbuildings.org/building/prerequisites) and/or contact Sarah Blache at the MSBA (Sarah.Blache@MassSchoolBuildings.org).

I look forward to continuing to work with you throughout the MSBA's grant program process. 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
Christian Scorzoni, President, Amesbury City Council
Debra LaValley, Vice-Chair, Amesbury School Committee
Dr. Gary S. Reese, Interim Superintendent, Amesbury Public Schools
Joy Berube, Financial Manager, Amesbury Public Schools
File: 10.2 Letters (Region 3)

Eligibility Period
Schedule of Deliverables

City of Amesbury
Amesbury Elementary School

MSBA Board of Director Meeting – July 20, 2016

Eligibility Period Commences – August 3, 2016		
MODULE ONE - Eligibility Period		
Deliverable	**Days**	**Due Date and Status**
Initial Compliance Certification	30	September 2, 2016 Required
School Building Committee	60	October 3, 2016 Required
Educational Profile Questionnaire	90	November 1, 2016 Required
Online Enrollment Projection	90	November 1, 2016 Required
Enrollment/Certification Executed	180	January 30, 2017 Required
Maintenance and Capital Planning Information	180	January 30, 2017 Required
Local Vote Authorization	270	June 1, 2017 Required
Feasibility Study Agreement	270	June 1, 2017 Required
Eligibility Period Concludes – June 1, 2017		

Note: If the District has concerns about meeting any of the following deadlines, please let the MSBA know by August 3, 2016. The MSBA will require Districts that are unable to complete the preliminary requirements within the timeframes noted for each to withdraw its SOI and reapply when the District has the financial and community support required.

Massachusetts School Building Authority

Deborah B. Goldberg
Chairman, State Treasurer

James MacDonald
InterimChief Executive Officer

John K. McCarthy
Executive Director / Deputy CEO

March 16, 2017

The Honorable Kenneth Gray
Mayor, City of Amesbury
Mayor's Office
62 Friend Street
Amesbury, MA 01913

Re: City of Amesbury, Amesbury Elementary School

Dear Mayor Gray:

I would like to thank you and other local officials for meeting with Massachusetts School Building Authority (the "MSBA") staff on December 5, 2016 and for subsequent correspondence during which enrollment projections and methodologies were reviewed for the Amesbury Elementary School (the "Proposed Project") in the City of Amesbury (the "District"). As discussed, the next critical step is for the MSBA and the District to agree on an enrollment for the Amesbury Elementary School.

Amesbury Elementary School is one of two schools that presently serves the District's grade pre-K-4 enrollment. However, the MSBA understands that the District is interested in studying consolidation of facilities and would like the feasibility study for this project to examine additional alternatives as follows:

- Continue to serve a portion of the District's grade pre-K-4 enrollment along with the Charles C. Cashman Elementary School;
- Along with the Charles C. Cashman Elementary School, serve a portion of the District's grade pre-K-5 enrollment, which would include the relocation of grade 5 students from the Amesbury Middle School;
- District-wide grade pre-K-2 enrollment, with grade 3-4 enrollment relocated to the Charles C. Cashman Elementary School; and,
- District-wide grade 3-5 enrollment, with grade pre-K-2 enrollment relocated to the Charles C. Cashman Elementary School.

The MSBA understands that any work associated with reconfiguring the Charles C. Cashman Elementary School or the Amesbury Middle School will be addressed outside of this Proposed Project.

Please also note, as discussed at the meeting on December 5, 2016, the MSBA does not project pre-K enrollment in these figures, with the determination of allowable space for pre-K programming determined during a future phase of the MSBA's process, which is at the time of the review of the District's proposed educational space program for the Proposed Project. Accordingly, this enrollment analysis will be particularly focused on grade K-5.

The table below illustrates the District's K-12 enrollment as it is currently configured during the most recent ten year period, including enrollment for the most recent school year (2016-2017), as reported to the Department of Elementary and Secondary Education (the "DESE"). The total grade K-4 enrollment in the City of Amesbury as reported to the District for the current school year is 795 students, which reflects a decrease of 128 students (-14%) from the grade K-4 enrollment reported in 2008-2009, which was the maximum grade K-4 enrollment reported in the preceding ten years. Additionally, the 2016-2017 grade K-4 enrollment reflects a decrease of approximately 87 students (-10%) from the average grade K-4 enrollment reported during the preceding ten year period.

Year	K-4	5-8	9-12	Total
2007	901	720	724	2,345
2008	923	722	679	2,324
2009	907	763	668	2,338
2010	914	751	640	2,305
2011	886	742	605	2,233
2012	879	731	640	2,250
2013	886	738	640	2,264
2014	870	724	618	2,212
2015	855	696	645	2,196
2016	795	679	624	2,098

The MSBA understands that the District is proposing an enrollment to accommodate approximately 575 students in grades pre-K-5 at the Amesbury Elementary School. The pre-K-4 enrollment reported to DESE for the 2015-2016 school year at the Amesbury Elementary School was 419 students.

With respect to future enrollments, the MSBA's base enrollment forecast indicates that the City of Amesbury's grade K-4 enrollment will continue to experience a declining trend through 2020 before leveling off through the 2025-2026 school year. The results of the base enrollment forecast are as follows:

- The average District-wide grade K-4 enrollment forecast for the projected period through the 2025-2026 school year is 675 students.
- The average District-wide grade K-5 enrollment forecast for the projected period through the 2025-2026 school year is 820 students.

- The average District-wide grade K-2 enrollment forecast for the projected period through the 2025-2026 school year is 395 students.

- The average District-wide grade 3-5 enrollment forecast for the projected period through the 2025-2026 school year is 420 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 MBSA 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 grade K-5 enrollment by a total of 3.3% throughout a four year period in the projection.
    - This adjustment added the following totals to the projected averages for the District's proposed grade configurations as compared to the base enrollment projection:
        - Grade K-4 enrollment: 20 students
        - Grade K-5 enrollment: 25 students
        - Grade K-2 enrollment: 10 students
        - Grade 3-5 enrollment: 15 students

- 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 2017-2018 rather than the five-year average cohort survival rate, which is utilized throughout the base enrollment forecast.
    - This adjustment added the following totals to the projected averages for the District's proposed grade configurations as compared to the base enrollment projection:
        - Grade K-4 enrollment: 5 students
        - Grade K-5 enrollment: 10 students
        - Grade K-2 enrollment: 5 students
        - Grade 3-5 enrollment: 10 students

As a result of analysis on the base enrollment projection, the adjustment to the base projection described above, and based on the historical enrollment trends of the District, the adjusted enrollment forecasts are as follows:

- The average adjusted grade K-4 enrollment forecast for the projected period through the 2026-2027 school year is 700 students.
- The average adjusted grade K-5 enrollment forecast for the projected period through the 2026-2027 school year is 855 students.
- The average adjusted grade K-2 enrollment forecast for the projected period through the 2026-2027 school year is 410 students.
- The average adjusted grade 3-5 enrollment forecast for the projected period through the 2026-2027 school year is 445 students.

In order to provide study enrollment recommendations for an appropriately sized project for the Amesbury Elementary School, the MSBA performed a capacity analysis of the Charles C. Cashman Elementary School. The capacity analysis, utilizing the 2010 Needs Survey data, indicates the existing grade K-4 and grade K-5 enrollments of the Charles C. Cashman Elementary School capacity is approximately 480 students (2) pre-K classrooms, (5) kindergarten classrooms, and (17) grade 1-4/5 classrooms).

Accordingly, the MSBA's study enrollment recommendations are as follows:

- Grade K-4 enrollment, in addition to the Charles C. Cashman Elementary School: 220 students
- Grade K-5 enrollment, in addition to the Charles C. Cashman Elementary School: 375 students
- District-wide grade K-2 enrollment: 410 students
- District-wide grade 3-5 enrollment: 445 students

The MSBA's study enrollment recommendations assume full utilization of the Charles C. Cashman Elementary School and the Amesbury Middle School should it be determined through the Feasibility Study that reconfiguration is the most educationally appropriate and fiscally responsible option. Accordingly, as part of the Feasibility Study, the District will be required to determine the enrollment capacity of each existing facility anticipated to remain in service. If a configuration other than the current grade K-4 enrollment configuration at the Amesbury Elementary School has been determined to be the Preferred Solution, the District will also be required to demonstrate in the Preferred Schematic Report that any consolidation and/or reconfiguration proposed as the District's Preferred Solution has been approved by the School Committee and any other necessary local officials. Further, the MSBA will also require a written plan from the District describing the process for determining local support for any potential grade reconfiguration.

The MSBA believes that these study enrollment recommendations 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 study enrollment. If the District feels that the enrollments do not meet the needs of the District, please respond to this letter via e-mail to Sarah Blache-Schwartz 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 Sarah Blache-Schwartz (Sarah.Blache@massschoolbuildings.org) at 617-720-4466.

Sincerely,

Mary Pichetti
Director of Capital Planning

Cc: Legislative Delegation
Christian Scorzoni, President, Amesbury City Council
Debra LaValley, Vice-Chair, Amesbury School Committee
Dr. Gary S. Reese, Superintendent, Amesbury Public Schools
Joy Berube, Financial Manager, Amesbury Public Schools
File: 10.2 Letters (Region 3)

MASSACHUSETTS SCHOOL BUILDING AUTHORITY
CITY OF AMESBURY
AMESBURY ELEMENTARY SCHOOL
STUDY 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 Amesbury Elementary School (the "Proposed Project"), the City of Amesbury hereby acknowledges and agrees that the design of alternatives, which may be evaluated as a part of the feasibility study for the Amesbury Elementary School, shall be based in accordance with the following:

Enrollment for Grades K-4, in addition to Cashman Elementary	Enrollment for Grades K-5, in addition to Cashman Elementary	Enrollment for Grades K-2 District-wide	Enrollment for Grades 2-5 District-wide
220 students	375 students	410 students	445 students

The City of Amesbury 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 according to the enrollments noted above. The City of Amesbury 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 any of the enrollments noted above, 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 for the Proposed Project that it has acknowledged and agreed to herein. The City of Amesbury further acknowledges and agrees that, among other things, the design enrollment, square feet per student space allowance, and total square footage of the Proposed Project shall be subject to the approval of the MSBA's Board and that the final approval of a Proposed Project shall be within the sole discretion of the MSBA's Board.

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

Chief Executive Officer

4-5-2017
Date

Duly Authorized Representative of School Committee

4-5-2017
Date

Superintendent of Schools

4/6/17
Date

MSBA Enrollment Projection – Amesbury, MA

Historic Enrollment Data (DESE)

YEAR	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	K-12
1993-94	54	266	236	276	230	212	191	181	200	186	149	159	151	138	2,575
1994-95	51	251	281	232	276	230	213	197	190	181	173	142	151	141	2,658
1995-96	50	252	278	262	220	270	235	212	195	191	174	155	139	152	2,735
1996-97	57	221	283	243	246	210	261	230	216	197	193	163	154	125	2,742
1997-98	56	208	246	261	223	243	208	259	220	212	193	174	164	133	2,744
1998-99	55	214	235	232	253	215	254	228	255	223	221	166	175	142	2,813
1999-00	57	208	224	218	217	251	199	254	223	251	219	189	160	162	2,775
2000-01	55	196	208	205	210	207	244	197	259	212	276	218	171	131	2,734
2001-02	64	198	196	197	212	214	205	245	196	260	259	217	181	182	2,762
2002-03	102	195	194	187	196	204	211	209	234	193	244	225	188	191	2,671
2003-04	109	183	196	188	179	193	210	215	205	238	196	227	189	192	2,611
2004-05	89	198	188	187	189	172	189	212	197	189	237	183	194	184	2,519
2005-06	94	172	188	172	178	188	174	184	208	200	174	201	176	189	2,404
2006-07	79	186	171	191	170	176	193	175	178	205	186	175	180	166	2,352
2007-08	76	184	186	167	190	174	173	186	179	182	188	186	180	170	2,345
2008-09	83	184	198	182	168	191	178	175	191	178	161	173	187	158	2,324
2009-10	80	179	181	196	181	170	200	194	176	193	171	158	178	161	2,338
2010-11	76	178	183	178	194	181	169	204	205	173	154	158	161	167	2,305
2011-12	78	175	170	182	172	187	178	168	195	201	143	156	156	150	2,233
2012-13	87	169	184	173	179	174	179	187	170	195	179	140	161	160	2,250
2013-14	83	174	175	186	172	179	182	190	188	178	170	175	137	158	2,264
2014-15	65	170	176	167	192	165	177	175	192	180	160	154	168	136	2,212
2015-16	70	166	170	166	168	185	166	178	168	184	147	161	165	172	2,196
2016-17	51	127	158	174	170	166	173	158	178	170	154	140	156	174	2,098

K-4	5-8	9-12
1,220	758	597
1,270	781	607
1,282	833	620
1,203	904	635
1,181	899	664
1,149	960	704
1,118	927	730
1,026	912	796
1,017	906	839
976	847	848
939	868	804
934	787	798
898	766	740
894	751	707
901	720	724
923	722	679
907	763	668
914	751	640
886	742	605
879	731	640
886	738	640
870	724	618
855	696	645
795	679	624

Historic Birth Data (MA Department of Public Health)

Maternal Age	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
10-14 Yrs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Yrs	18	16	21	18	15	20	8	13	13	8	19	12	9	6	7	10	12	13	12	7	7	8	10	6	0
20-24 Yrs	59	59	51	58	54	43	32	41	31	40	30	22	22	33	28	17	22	24	33	18	22	24	20	18	27
25-29 Yrs	99	81	81	79	81	75	70	67	69	76	59	48	63	53	45	42	44	59	39	50	42	50	32	41	39
30-34 Yrs	86	75	67	69	82	80	77	88	70	70	83	76	72	94	74	74	56	83	69	51	86	72	61	55	51
35-39 Yrs	15	20	23	22	18	26	29	29	32	27	36	30	49	44	47	42	51	43	43	49	46	36	26	32	38
40-44 Yrs	0	0	0	7	0	5	7	0	7	0	9	6	5	9	5	7	5	6	0	12	7	14	9	0	0
Total Births	280	251	244	253	255	249	223	242	222	225	236	194	221	239	206	192	190	228	200	187	210	205	158	156	160

MSBA Enrollment Projection – Amesbury, MA

Female Population Data

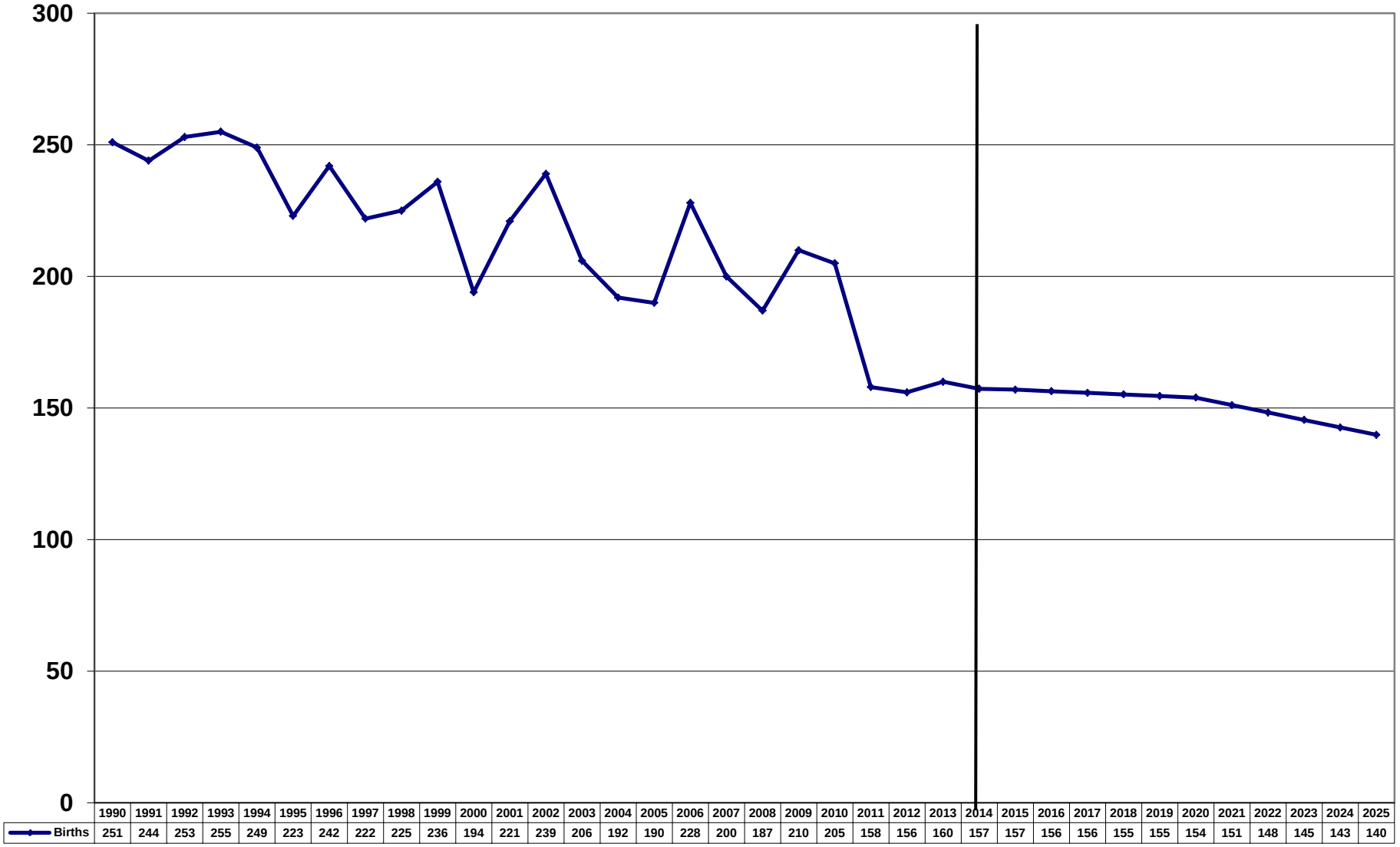
Maternal Age	1990	2000	2010	2015	2020	2025	2030
10-14 Yrs	470	648	479	431	427	374	382
15-19 Yrs	417	488	445	334	304	303	268
20-24 Yrs	541	364	396	363	283	263	264
25-29 Yrs	715	491	436	472	429	337	317
30-34 Yrs	825	707	503	551	585	522	410
35-39 Yrs	651	810	605	504	543	569	503
40-44 Yrs	549	815	704	573	492	522	542
Total Females	7,780	8,518	8,412	8,387	8,420	8,316	8,078

Maternal Age	2011-2013 AVG FERTILITY RATE
10-14 Yrs	0.00%
15-19 Yrs	1.30%
20-24 Yrs	5.79%
25-29 Yrs	8.45%
30-34 Yrs	10.87%
35-39 Yrs	5.82%
40-44 Yrs	0.44%
Tot. Females	1.88%

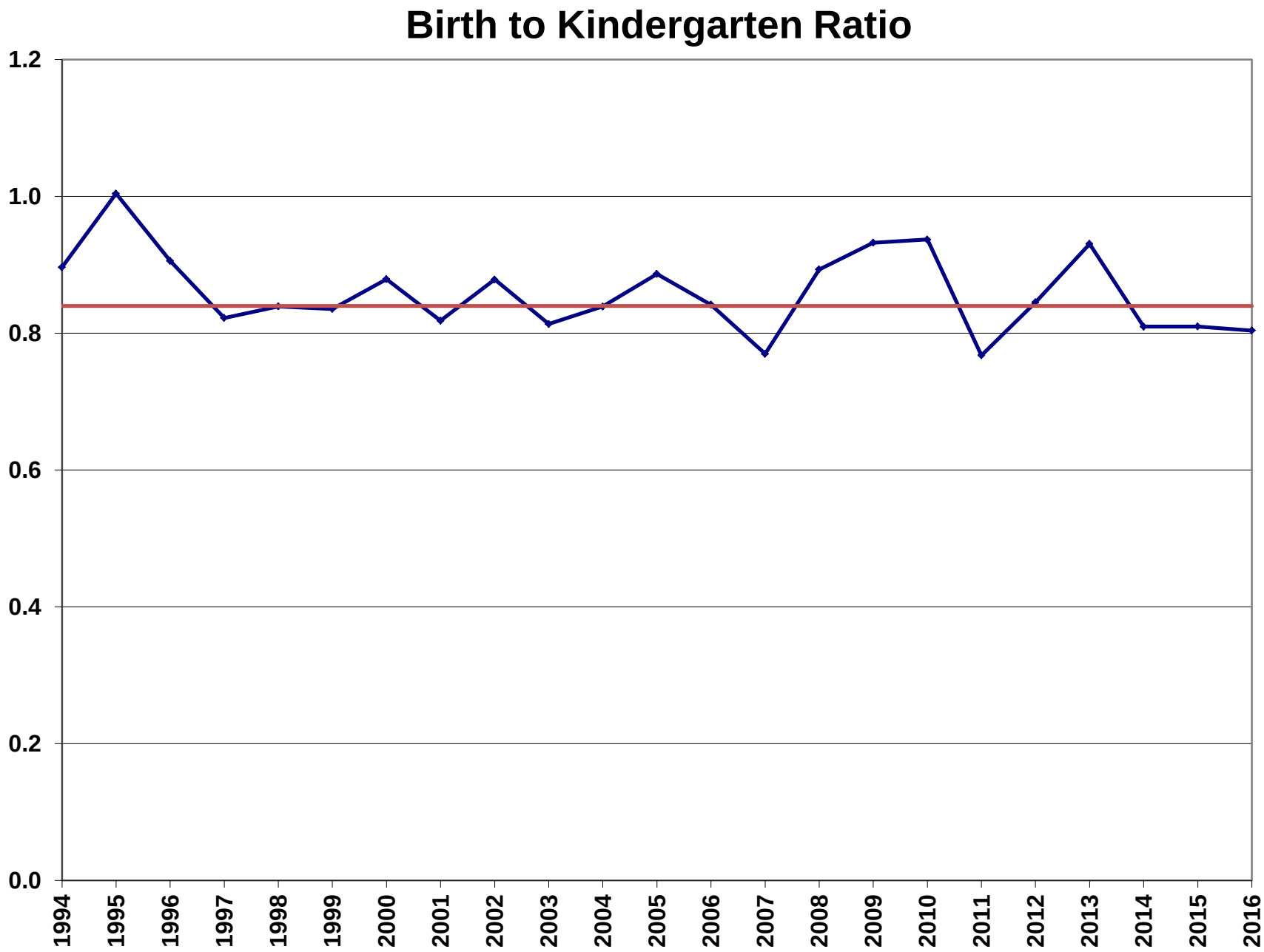
Birth Projections

Maternal Age	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
10-14 Yrs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Yrs	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
20-24 Yrs	21	21	20	19	18	17	16	16	16	16	15	15	15	15	15	15	15
25-29 Yrs	39	40	39	38	38	37	36	35	33	32	30	28	28	28	27	27	27
30-34 Yrs	59	60	61	61	62	63	64	62	61	59	58	57	54	52	49	47	45
35-39 Yrs	31	29	30	30	31	31	32	32	32	33	33	33	32	32	31	30	29
40-44 Yrs	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Totals	157	157	156	156	155	155	154	151	148	145	143	140	136	133	129	125	122

Births



	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Births	251	244	253	255	249	223	242	222	225	236	194	221	239	206	192	190	228	200	187	210	205	158	156	160	157	157	156	156	155	155	154	151	148	145	143	140


Birth to Kindergarten Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
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2006
2007
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2011
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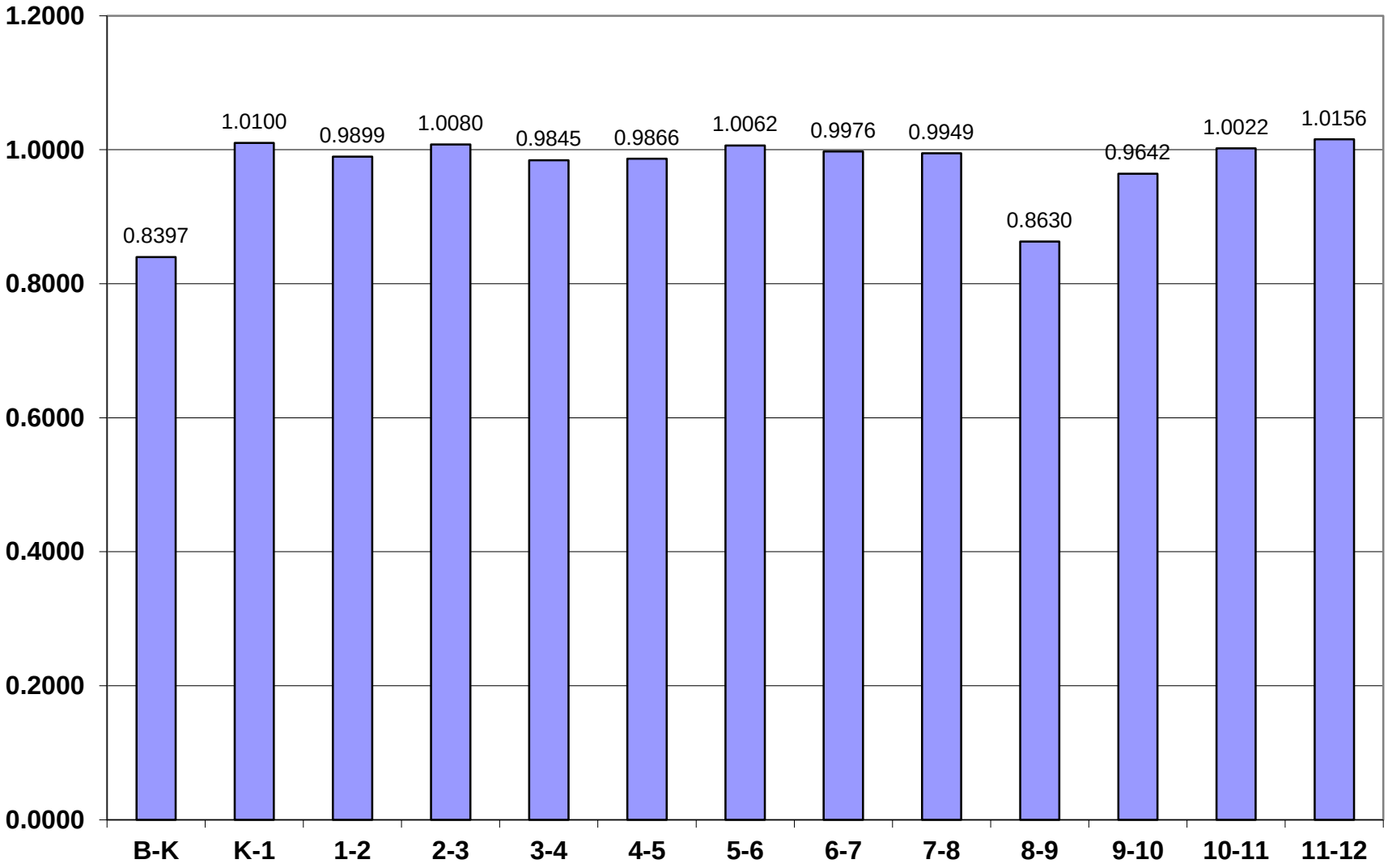
2013
2014
2015
2016

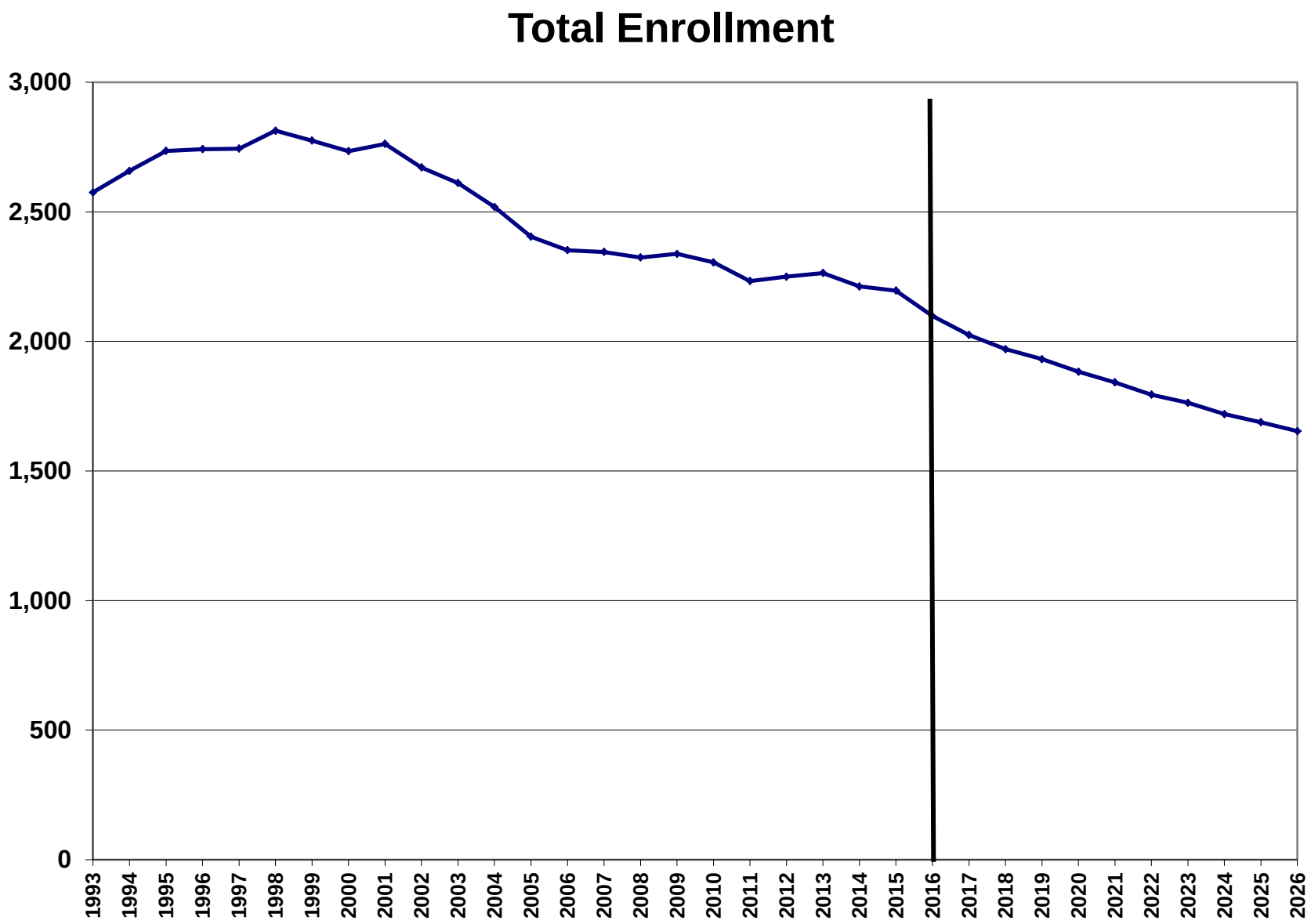
Grade-to-Grade Ratios - 5 Yr Average



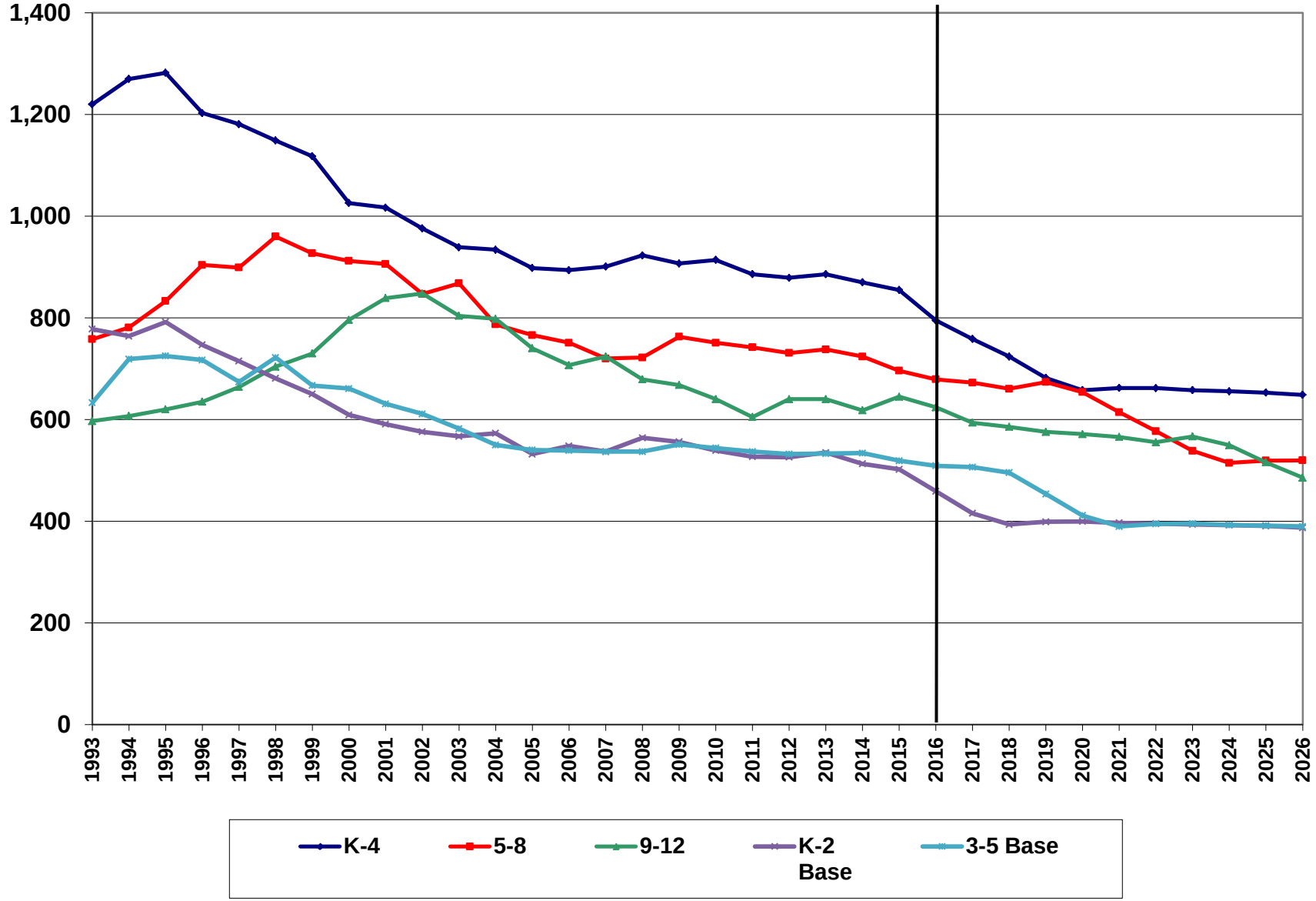
MSBA Enrollment Projection – Amesbury, MA

Base Enrollment Projections

YEAR	K	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL	K-4	5-8	9-12	K-2	3-5
1993	266	236	276	230	212	191	181	200	186	149	159	151	138	2,575	1,220	758	597	778	633
1994	251	281	232	276	230	213	197	190	181	173	142	151	141	2,658	1,270	781	607	764	719
1995	252	278	262	220	270	235	212	195	191	174	155	139	152	2,735	1,282	833	620	792	725
1996	221	283	243	246	210	261	230	216	197	193	163	154	125	2,742	1,203	904	635	747	717
1997	208	246	261	223	243	208	259	220	212	193	174	164	133	2,744	1,181	899	664	715	674
1998	214	235	232	253	215	254	228	255	223	221	166	175	142	2,813	1,149	960	704	681	722
1999	208	224	218	217	251	199	254	223	251	219	189	160	162	2,775	1,118	927	730	650	667
2000	196	208	205	210	207	244	197	259	212	276	218	171	131	2,734	1,026	912	796	609	661
2001	198	196	197	212	214	205	245	196	260	259	217	181	182	2,762	1,017	906	839	591	631
2002	195	194	187	196	204	211	209	234	193	244	225	188	191	2,671	976	847	848	576	611
2003	183	196	188	179	193	210	215	205	238	196	227	189	192	2,611	939	868	804	567	582
2004	198	188	187	189	172	189	212	197	189	237	183	194	184	2,519	934	787	798	573	550
2005	172	188	172	178	188	174	184	208	200	174	201	176	189	2,404	898	766	740	532	540
2006	186	171	191	170	176	193	175	178	205	186	175	180	166	2,352	894	751	707	548	539
2007	184	186	167	190	174	173	186	179	182	188	186	180	170	2,345	901	720	724	537	537
2008	184	198	182	168	191	178	175	191	178	161	173	187	158	2,324	923	722	679	564	537
2009	179	181	196	181	170	200	194	176	193	171	158	178	161	2,338	907	763	668	556	551
2010	178	183	178	194	181	169	204	205	173	154	158	161	167	2,305	914	751	640	539	544
2011	175	170	182	172	187	178	168	195	201	143	156	156	150	2,233	886	742	605	527	537
2012	169	184	173	179	174	179	187	170	195	179	140	161	160	2,250	879	731	640	526	532
2013	174	175	186	172	179	182	190	188	178	170	175	137	158	2,264	886	738	640	535	533
2014	170	176	167	192	165	177	175	192	180	160	154	168	136	2,212	870	724	618	513	534
2015	166	170	166	168	185	166	178	168	184	147	161	165	172	2,196	855	696	645	502	519
2016	127	158	174	170	166	173	158	178	170	154	140	156	174	2,098	795	679	624	459	509
2017	131	128	156	175	167	164	174	158	177	147	148	140	158	2,025	758	673	594	416	507
2018	134	132	127	158	173	165	165	174	157	153	141	149	142	1,970	724	660	586	394	495
2019	132	136	131	128	155	170	166	164	173	135	147	142	151	1,931	682	674	576	399	454
2020	132	133	134	132	126	153	171	166	164	149	130	148	144	1,883	658	654	571	400	411
2021	131	133	132	135	130	124	154	171	165	141	144	131	150	1,842	662	614	566	397	390
2022	131	133	132	133	133	128	125	154	170	142	136	144	133	1,794	662	577	555	395	395
2023	130	132	131	133	131	132	129	125	153	147	137	136	146	1,763	658	538	567	394	396
2024	130	132	131	132	131	129	132	129	124	132	142	138	139	1,720	656	515	550	392	393
2025	129	131	130	132	130	129	130	132	128	107	127	142	140	1,688	653	519	516	391	391
2025	127	131	130	131	130	129	130	130	131	111	103	128	144	1,654	649	520	485	387	390
10 yr avg	171	178	177	179	177	178	182	184	183	163	160	165	161	2,257	882	727	648	526	533
5 yr avg	161	173	173	176	174	175	178	179	181	162	154	157	160	2,204	862	718	629	510	527
2 yr avg	147	164	170	169	176	170	168	173	177	151	151	161	173	2,147	825	688	635	481	514
5 yr proj	132	133	136	146	150	155	166	166	167	145	142	142	149	1,930	697	655	578	401	451
10 yr proj	131	132	133	139	141	142	148	150	154	136	136	140	145	1,827	676	594	557	396	422


Total Enrollment
3,000
2,500
2,000
1,500
1,000
500
0
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026

Enrollment by Grade Group



Massachusetts School Building Authority

Deborah B. Goldberg
Chairman, State Treasurer

James A. MacDonald
Interim Chief Executive Officer

John K. McCarthy
Executive Director / Deputy CEO

May 22, 2017

The Honorable Kenneth Gray
Mayor, City of Amesbury
Mayor's Office
62 Friend Street
Amesbury, MA 01913

Re: City of Amesbury, Amesbury Elementary School

Dear Mayor Gray,

Enclosed for your records, please find an original, fully-executed Feasibility Study Agreement and Exhibits A-C for the Amesbury Elementary School project in the City of Amesbury (the "District").

Also, attached for your convenience, please find instructions for entering project budgets in the Massachusetts School Building Authority (the "MSBA") Pro-Pay System, and the Feasibility Study Agreement Budget Revision Request Form. Please note the MSBA will not process reimbursement requests until the District has entered the budget and the budget has been accepted by the MSBA.

Please feel free to contact me if you have any questions.

Best,

Sarah Blache-Schwartz
Senior Project Coordinator

Cc: Legislative Delegation
Christian Scorzoni, President, Amesbury City Council
Debra LaValley, Vice-Chair, Amesbury School Committee
Dr. Gary S. Reese, Superintendent, Amesbury Public Schools
Joy Berube, Financial Manager, Amesbury Public Schools
File: 10.2 Letters (Region 3)

MSBA Identification Number: 201500070005
District: City of Amesbury
Project Name: Amesbury Elementary School

MASSACHUSETTS SCHOOL BUILDING AUTHORITY
FEASIBILITY STUDY AGREEMENT

This Feasibility Study Agreement, dated the 22 day of May, 2017 (the "Agreement") is between the Massachusetts School Building Authority (the "**Authority**"), a public instrumentality of the Commonwealth of Massachusetts established by Chapter 70B of the Massachusetts General Laws and Chapters 208 & 210 of the Acts of 2004 of the Commonwealth, in each case as amended from time to time, and the City of Amesbury (the "**District**").

WHEREAS, the District submitted a Statement of Interest to the Authority for the Amesbury Elementary School (hereinafter **"School"**), and the District prioritized this Statement of Interest as its priority to receive any potential funding from the Authority;

WHEREAS, on January 27, 2016, the Board of Directors of the Authority voted to invite the District to the MSBA's Eligibility Period, and on July 20, 2016, the Board of Directors of the Authority voted to invite the District to commence the Eligibility Period, and the District has completed all applicable preliminary requirements to the satisfaction of the MSBA;

WHEREAS, on May 12, 2017, the Board of Directors of the Authority shall have voted to authorize the Parties to enter into this Agreement upon the terms and conditions stated herein.

WHEREAS, the Feasibility Study is one step in the multi-step process of the Authority's grant program for school building construction and renovation projects, and the invitation to collaborate on conducting and/or reviewing a Feasibility Study is not approval of a project or any funding by the Authority, except as expressly provided in this Agreement;

WHEREAS, the Authority's grant program for school building renovation and construction projects is a non-entitlement, discretionary program based on need, as determined by the Authority;

WHEREAS, the District has submitted a signed Initial Compliance Certification, as described in 963 CMR 2.02, 2.03 & 2.10(2), in the form prescribed by the Authority, and it has been accepted by the Authority;

WHEREAS, the District has formed a School Building Committee to monitor the Feasibility Study and advise the District during the study;

WHEREAS, the Authority may reimburse the District for a portion of eligible, approved costs incurred in connection with the Feasibility Study undertaken by the District for the School under certain terms and conditions, hereinafter provided, and subject to the provisions of M.G.L. c. 70B, 963 CMR 2.00 *et seq*. and all applicable policies and guidelines of the Authority.

NOW THEREFORE, in consideration of the promises and the agreements, provisions and covenants contained in this Agreement, and for other good and valuable consideration, the

receipt and sufficiency of which are hereby acknowledged, the Authority and the District (together, the "Parties") agree as follows:

SECTION 1
DEFINITIONS

1.1 Capitalized terms not specifically defined in this Definitions section shall have the meanings ascribed to them in either M.G.L. c. 70B or 963 CMR 2.00 *et seq.*

"Budget" shall mean a complete and full enumeration of all costs, including both hard costs and soft costs, so-called, that the District reasonably estimates, to the best of its knowledge and belief, will be incurred in connection with the planning, development, and the completion of the Feasibility Study, which Budget shall be approved by the Authority and attached hereto as **Exhibit A**, as it may be updated from time to time.

"Design Contract" shall mean the standard design contract developed and prescribed by the Authority, as it may be amended by the Authority from time to time that shall be executed by the District and the Designer for design services related to the Proposed Project.

"Designer" shall mean the individual, corporation, partnership, sole proprietorship, joint stock company, joint venture, or other entity engaged in the practice of architecture, landscape architecture, or engineering that meets the requirements of M.G.L. c. 7C, § 44 and has been procured and contracted by the District to conduct a Feasibility Study, in accordance with the provisions of Sections 2.1(a)(i) and 2.1(a)(ii) of this Agreement.

"Excusable Delay" shall mean a delay of the Feasibility Study that either (a) is solely because of a natural event, such as flood, storms, or lightning, that is not preventable by any human agency, or (b) is reasonably determined by the Authority to be excusable.

"Feasibility Study" shall mean a study as described in 963 CMR 2.10(8) and in any applicable policies and guidelines of the Authority and, in relation to a Major Reconstruction Project or Repair Project, as described in M.G.L. c. 70B, 963 CMR 2.00 *et seq.* and any applicable policies and guidelines of the Authority, shall also include an engineering study, in a format prescribed by or otherwise acceptable to the Authority, to investigate potential options and solutions, including cost estimates, for the deficiencies and issues identified in the Statement of Interest or as otherwise determined by the Authority.

"Owner's Project Manager" shall mean the individual corporation, partnership, sole proprietorship, joint stock company, joint venture, or other entity under contract with, designated, or assigned by the District and approved by the Authority, to fully and completely manage and coordinate administration of the Project to completion. The Owner's Project Manager must meet the qualifications set forth in M.G.L. c. 149, § 44A ½, 963 CMR 2.00 *et seq.*, and all applicable policies and guidelines of the Authority.

"Scope" shall mean the scope of the Feasibility Study as described in 963 CMR 2.10(8) and any applicable policies and guidelines of the Authority or as otherwise determined in

writing by the Authority and as more fully described in **Exhibit B** attached hereto, as it may be updated from time to time as mutually agreed upon by the District and the Authority.

"Schedule" shall mean the schedule for the Feasibility Study, which schedule shall be updated from time to time and approved by the Authority.

"School" shall mean the Amesbury Elementary School located in the District.

"Statement of Interest" shall mean the Statement of Interest, as defined in 963 CMR 2.09 and all applicable policies and guidelines of the Authority, submitted to the Authority by the District for the School.

SECTION 2
FEASIBILITY STUDY

Subject to the terms and conditions of this Agreement, and in reliance on the representations, warranties and covenants contained herein, the Parties hereby agree as follows:

2.1 Feasibility Study.

(a.) The Parties hereby agree that the District shall undertake a Feasibility Study to investigate potential options and solutions, including cost estimates, to the School's deficiencies and issues as identified in the Statement of Interest or as otherwise determined by the Authority and in accordance with the Scope, Budget, and Schedule approved by the Authority. The adequacy, sufficiency and/or acceptability of a Feasibility Study or a Prior Study, as defined in Section 2.1(c) of this Agreement, for the purposes of the Authority's grant program shall be determined by the Authority within its sole discretion. Any determination by the Authority that a Feasibility Study or Prior Study is adequate, sufficient or acceptable for the Authority's purposes shall not be construed as a certification or approval by the Authority of the studies, plans, drawings, designs, cost estimates, specifications or any other information or materials contained therein. The District, its officials, employees and agents are and shall remain responsible for the Feasibility Study and/or Prior Study and the building designs, site plans, drawings, cost estimates, specifications and other materials and information relative thereto that the District submits to the Authority. The Authority's review of the Feasibility Study and/or Prior Study and any studies, plans, drawings, designs, cost estimates, specifications or any other information or materials contained therein or related thereto is solely for the purpose of determining whether they meet the provisions of this Agreement and the Authority's regulations, standards, policies, guidelines and other requirements and whether the District will be eligible for potential funding from the Authority for the Proposed Project. Approval of a Proposed Project shall only be determined by a vote of the Authority's Board in accordance with 963 CMR 2.00 *et seq.* and the applicable policies and guidelines of the Authority.

(i.) The District shall procure a Designer to conduct the Feasibility Study pursuant to the provisions of M.G.L. c. 7C, § 44 through 58, 963 CMR 2.10(8), 963 CMR 2.12, and any other applicable laws and regulations; provided, however, that if the estimated construction cost of the Proposed Project is determined to be more than five million dollars ($5,000,000), then the District shall select the Feasibility Study Designer using the Authority's Designer Selection Panel in accordance with 963 CMR 2.00 *et seq.* and all applicable policies and guidelines of the Authority. The District shall not use a Designer who was procured by the District prior to July 1, 2007, to conduct the Feasibility Study, unless the Designer is acceptable to the Authority. It is further provided that, if said Designer who was procured by the District prior to July 1, 2007, is unacceptable to the Authority, the District shall conduct a new procurement for a Feasibility Study Designer pursuant to the applicable provisions of M.G.L. c. 7C, § 44 through 58, 963 CMR 2.10(8), 963 CMR 2.12, and any rules, regulations, policies and guidelines of the Authority.

(ii.) The District shall use the Authority's Design Contract to contract with the Designer for the Feasibility Study. The District shall monitor the performance of the Designer and shall require the Designer to fully comply with all provisions of the Design Contract, including, but not limited to, all provisions affecting the interests of the Authority.

(iii.) If, at any time, the construction cost of the Proposed Project is estimated to be more than one million five hundred thousand dollars ($1,500,000), or if the construction cost of the Proposed Project is estimated to be equal to or less than one million five hundred thousand dollars ($1,500,000) and the Authority so requires, at any time, as a condition to qualify for funding by the Authority, the District shall procure and maintain under contract, or otherwise assign, an Owner's Project Manager, pursuant to M.G.L. c. 149, § 44A ½ , 963 CMR 2.00, *et seq.* and any applicable policies and guidelines of the Authority. The selection of an Owner's Project Manager shall be subject to the review and approval of the Authority as required by M.G.L. 70B, 963 CMR 2.00, *et seq.*, and any applicable policies and guidelines of the Authority. Any costs associated with an Owner's Project Manager who is not approved by the Authority shall not be eligible for reimbursement.

(iv.) Where applicable, the District shall use the Authority's model request for services and standard contract to procure and contract with any Owner's Project Manager for the Proposed Project, including the Feasibility Study stage of the Proposed Project. The District shall monitor the performance of the Owner's Project Manager and shall require the Owner's Project Manager to fully comply with all provisions of the contract between the District and the Owner's Project Manager including, but not limited to, all provisions affecting the interests of the Authority.

(b.) Subject to the satisfaction of or compliance with, as reasonably determined by the Authority, all of the terms and conditions of this Agreement, the applicable provisions of M.G.L. c. 70B, Chapters 208 and 210 of the Acts of 2004, and 963 CMR 2.00 *et seq*. and any other rule, regulation, policy or guideline of the Authority, and further subject to the Authority's approval of the Scope, Budget and Schedule and the District's approval, authorization and appropriation for the Feasibility Study using forms prescribed by or otherwise acceptable to the Authority, the Authority hereby agrees to pay to the District an amount that shall under no circumstances exceed the lesser of (i) 55.63% of the eligible, approved costs of the Feasibility Study, as determined by the Authority, or (ii) $500,670.00. The Parties hereby acknowledge and agree that $500,670.00 is the maximum amount of funding that the District may receive from the Authority for the Feasibility Study, and that the final amount of eligible Feasibility Study costs approved by the Authority may equal an amount less than $500,670.00, as determined by an audit or audits conducted by the Authority. Any costs and expenditures that are determined by the Authority to be either in excess of the $500,670.00 or ineligible for payment by the Authority shall be the sole responsibility of the District. The reimbursement rate set forth above, and as more fully described in the Reimbursement Rate Summary, attached hereto as **Exhibit "C"**, is the rate at which the District may be reimbursed for the eligible, approved costs of the Feasibility Study.

In the event that the Authority reasonably determines that the Feasibility Study is not in accordance or compliance with the Scope, Schedule, Budget, all of the terms and conditions of this Agreement, the provisions of M.G.L. c. 70B, Chapters 208 and 210 of the Acts of 2004, 963 CMR 2.00 *et seq*. and any other rule, regulation, policy or guideline of the Authority, or is delayed (other than an Excusable Delay) or is not duly authorized, approved and funded by the District in accordance with applicable law and as required by the Authority, then the Authority may temporarily and/or permanently withhold payments to the District for any eligible, approved costs of the Feasibility Study, provided that the Authority shall not unreasonably withhold any such payments and further provided that the Authority shall give written notice to the District of any such withholding. Notwithstanding the foregoing, failure by the Authority to provide

such written notice timely shall not create or result in any entitlement to payment for the District. In the event that the Authority either temporarily or permanently withholds payment for the Feasibility Study, the District hereby agrees and acknowledges that the Authority shall have no liability for any such withholding of payment or any loss that may occur as a result of any such withholding of payment.

The District shall not be eligible to receive any funding for the Authority's share of the eligible, approved Feasibility Study costs, or any portion thereof, unless and until the Authority has approved the Scope, Budget, and Schedule. The Authority shall reimburse the District only for costs incurred by the District in connection with the Feasibility Study that are timely submitted to the Authority, eligible for reimbursement pursuant to Authority policies, procedures, and guidelines, and audited and approved by the Authority.

(c) Notwithstanding the provisions of Section 2.1(a) above, in the event that the District commenced a feasibility study unilaterally or without the prior written acknowledgement and concurrence of the Authority in connection with the deficiencies and issues identified in the Statement of Interest or as otherwise determined by the Authority (hereinafter "Prior Study"), and, after review, the Authority has determined in writing that the Prior Study is adequate and meets the needs of the Authority, in whole or in part, the District may submit to the Authority requests for reimbursement of costs related to the Prior Study subject to the provisions of Section 2.1 (b), Section 4 and any other applicable provisions of this Agreement. The District acknowledges and agrees that any costs incurred by the District in relation to the Prior Study may not be eligible for reimbursement. In the event that any such costs are determined to be eligible, approved costs by the Authority, they shall be subject to the provisional reimbursement rate set forth in Section 2.1(b) of this Agreement and shall be subject to audit by the Authority. The District further acknowledges and agrees that, notwithstanding a determination by the Authority that the Prior Study is adequate and meets the Authority's needs, in whole or in part, the Authority may require the District to conduct a new or supplemental Feasibility Study, in accordance with, and as described in, the Budget, Scope and Schedule. The District further acknowledges and agrees that costs incurred in connection with a Prior Study that (i) does not meet the needs of the Authority, in whole or in part, as determined by the Authority, or (ii) was conducted after September 22, 2006, shall not be eligible for reimbursement.

2.2 Term of Agreement.

This Agreement shall terminate upon (1) approval of a Project Scope and Budget Agreement for the Proposed Project by the Authority's Board and (2) execution of said Project Scope and Budget Agreement by the Authority and the District or it shall terminate on November 11, 2019 or whichever occurs sooner.

SECTION 3
COVENANTS

The District covenants and agrees that as long as this Agreement is in effect, the District shall and shall cause its employees, officers, agents, and representatives to perform and comply with all covenants of this Agreement.

3.1 The District hereby agrees that it shall make available for inspection by, and submit to, the Authority any and all information and documentation related to the Feasibility Study, including, but not limited to budget information, progress reports, and draft copies that may be requested by the Authority, promptly and in no event later than the deadline stated in any such request.

3.2 The District hereby agrees that it shall work with the Authority in developing the Scope, Budget and Schedule for the Feasibility Study and it acknowledges and agrees that the Authority's funding for the Feasibility Study is subject to the Authority's approval of the Scope, Budget and Schedule.

3.3 The District hereby acknowledges and agrees that the Authority shall not provide any amounts in excess of the amount determined under Section 2.1(b) of this Agreement.

3.4 The District hereby acknowledges and agrees that the Authority may, in its sole discretion, determine that certain costs incurred by the District in connection with the Feasibility Study are not eligible for reimbursement by the Authority, pursuant to any applicable provisions of M.G.L. c. 70B, 963 CMR 2.00 *et seq.*, including, but not limited to, sections 2.10 & 2.16(5), and any other policies and guidelines of the Authority.

3.5 The District shall comply with all provisions of this Agreement; the provisions of all other agreements between the Authority and the District that relate to the Feasibility Study; the provisions of M.G.L. c. 70B, 963 CMR 2.00 *et seq.*, and all policies and guidelines of the Authority; and all provisions of law applicable to the Feasibility Study, this Agreement, and any other agreements and documents related to the Feasibility Study, and shall take all action necessary to fulfill its obligations under this Agreement.

3.6 The District hereby acknowledges and agrees that the Authority shall not be required or obligated to make any payment for any eligible Feasibility Study costs while an Event of Default, as defined in section 8 of this Agreement, shall have occurred.

3.7 The District shall, and shall cause any Owner's Project Manager and Designer and their employees, subconsultants and agents to, keep adequate records of the Feasibility Study and make all Feasibility Study records and the Feasibility Study site(s) available to the Authority or representatives of the Authority for review during the course of the Feasibility Study.

3.8 The District hereby acknowledges and agrees that the duties of any Owner's Project Manager hired by and/or assigned to the Proposed Project by the District shall include, but not be limited to, fully and completely managing and coordinating on behalf of the District the

administration of the Feasibility Study to completion. Any Owner's Project Manager hired by and/or assigned to the Proposed Project by the District shall be responsible for overseeing, tracking, and managing the Budget and Schedule. In the event that an Owner's Project Manager is not required for the Proposed Project, the District shall have the aforesaid duties and responsibilities in addition to any others imposed by M.G.L. c. 70B, 963 CMR, et seq., the policies and guidelines of the Authority, and any other applicable provisions of law.

3.9 The District hereby agrees that the Authority shall have free access to, and open communication with, any Owner's Project Manager hired by and/or assigned to the Proposed Project by the District and that the Authority shall have full and complete access to all information and documentation relating to the Proposed Project to the same extent that the District has such access. The District agrees that it shall require any such Owner's Project Manager to fully cooperate with the Authority in all matters related to the Proposed Project; to promptly communicate, transmit, and/or make available for inspection and copying any and all information and documentation requested by the Authority; to fully, accurately and promptly complete all forms and writings requested by the Authority; and to give complete, accurate, and prompt responses to any and all questions, inquiries and requests for information posed by the Authority. The District agrees that it shall not in any way, directly or indirectly, limit, obstruct, censor, hinder or otherwise interfere with the free flow of communication and information between the Owner's Project Manager and the Authority in all matters related to the Proposed Project and as provided herein; that it shall not suffer the same to occur by the act or omission of any other person or entity; and that it shall not retaliate against the Owner's Project Manager for communicating information to the Authority as provided herein. The District agrees to execute, deliver and/or communicate to the Owner's Project Manager any and all authorizations, approvals, waivers, agreements, directives, and actions that are necessary to fulfill its obligations under this paragraph. The District further agrees that the Authority shall bear no liability whatsoever arising out of the Authority's knowledge or receipt of information communicated to the Authority by the Owner's Project Manager and that the District shall remain responsible for the management and completion of the Proposed Project.

3.10 The District hereby acknowledges and agrees that the duties of the Designer shall include, but not be limited to, those described in this Agreement, including, but not limited to, the Scope attached hereto as Exhibit B; 963 CMR 2.10(8); any applicable rules, regulations, policies and guidelines of the Authority; and any standard scope of services and the Design Contract prescribed by the Authority.

3.11 The District hereby acknowledges and agrees that neither the District nor any of its employees, officials, agents, consultants or contractors shall submit any false or intentionally misleading information or documentation to the Authority in connection with this Feasibility Study Agreement or the Feasibility Study, and further acknowledges and agrees that the submission of any such information or documentation may cause the Authority to suspend, revoke or terminate any and all payments otherwise due to the District and/or recover any previous payments made to the District, and the District may be ineligible for any funding from the Authority. The District hereby further agrees that it shall have a continuing obligation to update and notify the Authority in writing when it knows or has any reason to know that any

information or documentation submitted to the Authority contains false, misleading or incorrect information.

3.12 The District hereby acknowledges and agrees that the Authority shall bear no responsibility or liability of any sort for the results of any Feasibility Study, environmental assessment, geotechnical site testing, any necessary site remediation, clean-up, or other site remediation services.

3.13 The District hereby acknowledges and agrees that it shall provide a final Feasibility Study report to the Authority, which shall be in a format that is prescribed by or otherwise acceptable to the Authority.

3.14 The District hereby acknowledges and agrees that the Authority's grant program is a non-entitlement, discretionary program based on need, and the Feasibility Study may not result in a school construction, renovation or repair project that is eligible for funding by the Authority.

3.15 The District shall not combine, consolidate, or conjoin in any way the procurement, pre-qualification or selection of an Owner's Project Manager or Designer for the Proposed Project with the procurement, pre-qualification or selection of an Owner's Project Manager or Designer for any other construction, repair or renovation project without the express prior written approval of a duly authorized representative of the Authority. Any costs incurred by the District that relate to, or arise out of, the use of a combined, consolidated or conjoined procurement, pre-qualification or selection process as proscribed above, including, but not limited to, the preparation of bid documents, requests for services, and requests for qualifications, without the express prior written approval of a duly authorized representative of the Authority shall not be eligible for reimbursement.

SECTION 4
PAYMENTS AND AUDIT

4.1 Subject to the terms and conditions of the Agreement, the Authority shall reimburse the District for eligible, approved costs incurred in connection with the Feasibility Study in accordance with the following:

(a) Using the Authority's Pro-Pay system, the District shall submit requests for reimbursement on a monthly basis to the Authority in a format prescribed by the Authority. Each monthly request for reimbursement shall be approved locally by a duly authorized representative of the District, shall be in a form acceptable to the Authority, shall include reasonable detail, including, but not limited to (1) the amount of funding requested, (2) the nature of the materials or property or services received, (3) the total value of the work performed and materials furnished by the Owner's Project Manager, if any, the Designer, and each consultant, subconsultant or vendor to date, and (4) the value of the work completed during the Feasibility Study. The District agrees that each request for reimbursement shall be accompanied by the invoices for each of the amounts requisitioned and any other supporting documentation and information

substantiating the District's request for reimbursement, as the Authority may request, in a form satisfactory to the Authority.

(b) Each request for reimbursement shall include a written certification signed by a duly authorized representative of the District stating that: (1) such request for reimbursement is solely for Feasibility Study costs, (2) the obligations itemized in the request for reimbursement have not been the basis for a prior request for reimbursement submitted by the District that has been paid or rejected by the Authority, (3) the reimbursement requested is due for work actually and properly performed or materials or property actually supplied prior to the date of the requisition, (4) the reimbursement requested is for costs that already have been duly paid by the District, and (5) such reimbursement requested is within the Budget approved by the Authority.

(c) The Authority shall review all requests for reimbursement properly submitted pursuant to this Agreement as soon as reasonably possible. The Authority shall not consider requests for reimbursement that are not, as reasonably determined by the Authority, (1) timely and properly submitted, (2) in accordance with the most recent Budget approved by the Authority, and (3) for eligible Feasibility Study costs incurred by the District. The District understands and agrees that no reimbursement shall be made by the Authority unless the District has complied with all of the terms and conditions of this Agreement, the applicable provisions of M.G.L. c. 70B, chapters 208 and 210 of the Acts of 2004, 963 CMR 2.00 *et seq.*, and all policies and guidelines of the Authority.

(d) After receipt from the District of a timely and properly submitted request for reimbursement pursuant to this Agreement, the Authority shall make payment to the District of the Authority's share of approved, eligible Feasibility Study costs, subject to the terms and conditions of this Agreement. The District hereby agrees and acknowledges that the amount of approved, eligible Feasibility Study costs reimbursed by the Authority may be subject to change, pending audit, including but not limited to an audit pursuant to Section 4.2 of this Agreement and the final close-out audit pursuant to Section 4.3 of this Agreement.

4.2 The Authority may review and perform a preliminary audit on each request for reimbursement submitted pursuant to this Agreement to ensure that only eligible costs of the Feasibility Study are approved and paid by the Authority. Any such preliminary audits shall be conducted in accordance with 963 CMR 2.16 and other policies and guidelines of the Authority. In the event that the Authority determines that an item contained in a request for reimbursement submitted by the District pursuant to this Agreement is not eligible for reimbursement by the Authority, the Authority shall adjust a subsequent reimbursement to the District to account for the ineligible costs. The District hereby acknowledges and agrees that each audit conducted pursuant to this Section 4.2 is preliminary, and the Authority may further adjust and alter the results of a preliminary audit after it conducts subsequent audits or a final close-out audit of the Feasibility Study.

4.3 The District hereby acknowledges and agrees that a final, close-out audit of the Feasibility Study by the Authority shall include an audit of all requests for reimbursement submitted and all reimbursements made by the Authority. The final, close-out audit shall be conducted in accordance with 963 CMR 2.16 and any other applicable regulations, policies and guidelines of the Authority. The District shall make all documents and materials requested by the Authority or its representatives available in a timely manner. The District further acknowledges and agrees that the final, close-out audit of the Feasibility Study may not occur until such time as the Authority conducts its final, close-out audit of the project that may result from the Feasibility Study, should the District be approved for any such project. Any adjustments applicable as a result of the final, close-out audit may be made in the final amount of the Total Facilities Grant, as determined by the Authority.

SECTION 5
REPRESENTATIONS AND WARRANTIES

The District hereby warrants and represents that each of the following statements is true, correct and complete:

5.1 The District is validly organized and existing under and by virtue of the laws of the Commonwealth, has full power and authority to own its properties and carry on its business as now conducted, and has full power and authority to execute, deliver and perform its obligations under this Agreement and all other documents related to the Feasibility Study.

5.2 The District is duly authorized to execute and deliver this Agreement and has taken all necessary steps to authorize the execution and delivery of this Agreement, to undertake the Feasibility Study and to perform and consummate all transactions contemplated by this Agreement.

5.3 The undersigned has the full legal authority to execute this Agreement on behalf of the District and to bind the District to its provisions.

5.4 This Agreement does not and will not, to any material extent, conflict with, or result in violation of any applicable provisions of law, including, but not limited to, any statute, charter, by-law, ordinance, rule or regulation, or any judgment, order, rule or regulation of any court or other agency of government.

5.5 The District has all requisite legal power and authority to own and operate the School that is the subject of the Feasibility Study and to undertake and oversee the Feasibility Study or, in the case of a school facility that is leased by the District, the District has all of the requisite legal power and authority to control and operate the School that is the subject of the Feasibility Study and to undertake and oversee the Feasibility Study pursuant to a lease which assures that the District has exclusive jurisdiction and control of the School and the land upon which it is situated for the anticipated useful life of the Proposed Project.

5.6 No information furnished by or on behalf of the District to the Authority in this Agreement, the Budget, the Initial Compliance Certification, or any other document, certificate

or written statement furnished to the Authority in connection with the Feasibility Study contains any untrue statement of a material fact or omitted, omits or will omit to state a material fact necessary in order to make the statements contained in this Agreement or therein not misleading in light of the circumstances in which the same were made.

5.7 The District has duly obtained all necessary votes, resolutions, authorizations, appropriations and local approvals, in accordance with formats prescribed by or otherwise acceptable to the Authority, and has taken all actions necessary or required by law to enable it to enter into this Agreement and to fund and perform its obligations hereunder, in accordance with the Authority's guidelines, regulations, policies and standards. This Agreement constitutes a valid and binding obligation of the District, enforceable in accordance with its terms, except as such enforceability may be limited by bankruptcy, insolvency, moratorium, reorganization or other laws heretofore or hereafter enacted and general equity principles.

5.8 No litigation before or by any court, public board or body is pending or threatened against the District or the Authority seeking to restrain or enjoin the execution and delivery of this Agreement or the Feasibility Study, or contesting or affecting the validity of this Agreement or the power of the District to pay its share of the Feasibility Study.

5.9 The District has implemented policies and procedures to prevent and eliminate fraud, waste and abuse of public funds in connection with the Feasibility Study and any future construction or renovation projects that may be forthcoming as a result of the Feasibility Study.

5.10 The District has submitted all audit materials requested by the Authority in connection with any project for which the District has received or anticipates receiving funding from the Authority.

5.11 All meetings of all public bodies in the District that relate in any way to the Proposed Project, including, but not limited to, the meetings of the District's school building committee, have been conducted, and shall be conducted, in compliance with the provisions of G.L. c. 30A, §§ 18 – 25, 940 CMR 29.00 *et seq.*, the so-called Open Meeting Law, and all other applicable law.

SECTION 6
INSURANCE

6.1 The District shall obtain and maintain all insurance required by law and insurance of such types and limits and upon such terms and conditions as may be required by, or as may be acceptable to, the Authority.

6.2 The District shall require by contractual obligation, and shall also ensure by the exercise of due diligence, that any Designer hired by the District in connection with the Feasibility Study obtain and maintain, at a minimum, insurance of such types and limits and upon such terms and conditions as may be required by law and as may be prescribed by the Authority in the Design Contract between the Designer and the District.

6.3 Except where the Owner's Project Manager is an existing employee of the District, the District shall require by contractual obligation, and shall also ensure by the exercise of due diligence, that any Owner's Project Manager hired by the District obtain and maintain, at a minimum, insurance of such types and limits and upon such terms and conditions as may be required by law and as may be prescribed by the Authority in its standard contract for Owner's Project Manager services which is incorporated by reference herein.

SECTION 7
COMPLIANCE WITH CONTRACT DOCUMENTS, PROJECT PERMITS AND OTHER APPLICABLE LAW

7.1 The District shall take all reasonable actions designed to ensure that the Feasibility Study complies with all applicable contract documents, building codes, laws, rules and regulations and to ensure that all necessary project permits have been obtained. Notwithstanding any right of approval or review held or exercised by the Authority in connection with this Agreement or the Feasibility Study, the District shall be responsible for the successful performance and completion of the Feasibility Study in accordance with this Agreement, the Design Contract, design documents and project permits, if any, and for the economical and efficient operation and administration of the Feasibility Study.

SECTION 8
DEFAULTS AND REMEDIES

8.1 The occurrence of any of the following events shall constitute, and is herein defined to be, an Event of Default under this Agreement:

(a) If the District shall fail to perform and observe any covenant, agreement or condition on its part provided in this Agreement and such failure shall continue for a period of thirty (30) days after written notice thereof shall be given to the District by the Authority; provided if such failure cannot be remedied within such thirty (30) day period, it shall not constitute an Event of Default hereunder if corrective action satisfactory to the Authority, as determined by the Authority in writing, is instituted by the District within such period and diligently pursued until the failure is remedied. Any forbearance or failure of the Authority in giving such written notice shall not amount to any waiver of the Authority's rights under this Agreement as to the same or subsequent breaches and shall not preclude the Authority from pursuing any of its rights or remedies provided under this Agreement or as otherwise provided by law.

(b) If any representation or warranty made by the District in this Agreement or in any other agreement entered into by the District with the Authority shall prove to have been incorrect or to be misleading in any material respect.

8.2 If any Event of Default hereunder shall occur and be continuing, the Authority may proceed to protect its rights under this Agreement, and may: (a) terminate this Agreement, (b) permanently withhold or temporarily suspend payment of any eligible, approved costs to the District, (c) recover any payments of eligible, approved costs previously made to the District,

and/or (d) exercise any other right or remedy upon such default as may be granted to the Authority under this Agreement or under any other applicable provision of law.

8.3 No remedy conferred upon or reserved to the Authority is intended to be exclusive and every such remedy shall be cumulative and shall be in addition to every other remedy given under this Agreement or now or hereafter existing at law or in equity. No delay or omission to exercise any right, remedy or power accruing upon any Event of Default shall impair any such right, remedy or power or shall be construed to be a waiver thereof, but any such right, remedy or power may be exercised from time to time and as often as the Authority may deem expedient.

SECTION 9
OTHER TERMS

9.1 Governing Law. This Agreement shall be governed by, construed, and enforced in accordance with, the laws of the Commonwealth of Massachusetts.

9.2 Venue. Any civil action brought against the Authority by the District, or any person or entity claiming by, through or under it, that arises out of the provisions of this Agreement, shall only be brought in the Superior Court for Suffolk County, Massachusetts. The District, for itself and for any person or entity claiming by, through or under it, hereby waives any defenses that it may have as to the venue to which it has agreed herein, including, but not limited to, any claim that this venue is improper or that the forum is inconvenient. The District for itself and for any person or entity claiming by, through or under it, hereby waives all rights, if any, to a jury trial in any such civil action that may arise out of the provisions of this Agreement.

9.3 Indemnification of the Authority by the District. To the fullest extent permitted by law, the District shall indemnify and hold harmless the Authority and its officers, agents and employees from and against any and all claims, actions, damages, liabilities, injuries, costs, fees, expenses, or losses, including, without limitation, reasonable attorney's fees and costs of investigation and litigation, whatsoever which may be incurred by, or for which liability may be asserted against, the Authority or any of its officers, agents or employees arising out of any activities undertaken by, for, or on behalf of the District in the execution or implementation of this Agreement or with respect to the Feasibility Study, including, but not limited to, the performance of any contract or obligation directly or indirectly related to the Feasibility Study. Such obligation shall not be construed to negate or abridge any other obligation of indemnification running to the Authority which would otherwise exist.

9.4 Members, Employees Not Liable. No member or employee of the Authority shall be charged or held personally or contractually liable by or to the District under any term or provision of this Agreement or because of any breach thereof or because of its execution or attempted execution.

9.5 Assignability. The District shall not assign any interest, in whole or in part, in this Agreement and shall not transfer any interest in the same, whether by assignment or novation, without the prior written approval of the Authority.

9.6 Payment Not A Waiver. The Authority's payment(s) to the District under this Agreement or its review, approval or acceptance of any actions by the District under this Agreement shall not operate as a waiver of any rights under this Agreement and the District shall remain liable to the Authority for all damages incurred by the Authority as a result of the District's failure to perform in accordance with the terms and conditions of this Agreement.

The rights and remedies of the Authority provided for under this Agreement are in addition to any other rights or remedies provided by law. The Authority may assert a right to recover damages by any appropriate means, including, but not limited to, set-off, suit, withholding, recoupment, or counterclaim either during or after performance of this Agreement.

9.7 Notices. Any notices required or permitted to be given by either of the Parties hereunder shall be given in writing and shall be delivered to the addressee (a) in-hand (b) by certified mail, postage prepaid, return receipt requested; (c) by facsimile; or (d) by a commercial overnight courier that guarantees next day delivery and provides a receipt, and such notices shall be addressed as follows:

If to the Authority:

Massachusetts School Building Authority
40 Broad Street, Suite 500
Boston, MA 02109
Attention: Director of Capital Planning
Facsimile: (617) 720-8460

If to the District:

City of Amesbury
Mayor's Office
62 Friend Street
Amesbury, MA 01913
Attention: Mayor's Executive Assistant
Facsimile: (978) 388-6727

or to such other address or addressee as the District and the Authority may from time to time specify in writing. Any notice shall be effective only upon receipt, which for any notice given by facsimile shall mean notice that has been received by the party to whom it is sent as evidenced by a confirmation slip that bears the time and date of receipt.

9.8 Severability. If any provisions of this Agreement shall for any reason be held to be invalid or unenforceable, the invalidity or unenforceability of such provision shall not affect any of the remaining provisions of this Agreement, and this Agreement shall be construed and enforced as if such invalid or unenforceable provision had not been contained herein.

9.9 Counterparts. This Agreement may be executed in one or more counterparts, any of which shall be regarded for all purposes as an original and all of which constitute but one and the same instrument. Each party agrees that it will execute any and all documents or other

instruments, and take such other actions as may be necessary to give effect to the terms of this Agreement.

9.10 No Waiver. No waiver by either party of any term or conditions of this Agreement shall be deemed or construed as a waiver of any other terms or conditions, nor shall a waiver of any breach be deemed to constitute a waiver of any subsequent breach, whether of the same or of a different section, subsection, paragraph, clause, phrase, or other provision of this Agreement.

9.11 Integration. This Agreement merges and supersedes all prior negotiations, representations, and agreements between the Parties hereto relating to the Feasibility Study and constitutes the entire agreement between the Parties hereto with respect to the Feasibility Study and the Authority's funding of a portion of the eligible, approved costs of the Feasibility Study.

9.12 Amendments. This Feasibility Study Agreement may be amended only through a written amendment signed by duly authorized representatives of the District and the Authority.

IN WITNESS WHEREOF, the Parties have executed this Agreement on this 22 day of May, 2017.

MASSACHUSETTS SCHOOL BUILDING AUTHORITY
By,

John K. McCarthy
Executive Director

CITY OF AMESBURY
By,

C Kenneth Gray
NAME (type or print)

MAYOR
TITLE (type or print)

EXHIBIT A

FEASIBILITY STUDY BUDGET

City of Amesbury
Amesbury Elementary School

The total Budget for the Feasibility Study conducted pursuant to this Agreement, which is attached hereto and incorporated by reference herein, shall be no more than $900,000 based upon the following estimates:

Owner's Project Manager:	$ 200,000
Designer:	$ 600,000
Environmental and Site Testing:	$ 100,000
Other:	$ 0

EXHIBIT B

SCOPE OF THE FEASIBILITY STUDY

City of Amesbury
Amesbury Elementary School

The Scope of the Feasibility Study conducted under this Agreement, which is attached hereto and incorporated by reference herein, shall consist of the development of a feasibility study/schematic design for evaluation of a renovation of the existing school, a renovation of and addition to the existing school and/or new construction for the Amesbury Elementary School (the "Proposed Project") in the City of Amesbury (the "District"). Pursuant to the Massachusetts School Building Authority's (the "MSBA") regulations, 963 CMR 2.06, the space allowance for the Proposed Project shall meet all applicable MSBA regulations and guidelines.

The Feasibility Study shall contain all information required by 963 CMR 2.10(8) and any other applicable rules, regulations, policies, guidelines and directives of the MSBA including, but not limited to, a final design program, space summary, budget statement for preferred educational objectives, and a proposed total project budget. The Feasibility Study for this Proposed Project may examine four enrollment options. The first is an option to serve a portion of the District's Kindergarten – grade 5 enrollment, along with the Charles C. Cashman Elementary School, which for purposes of the design shall be based on no more than 375 students. Second, the Feasibility Study for this Proposed Project may also examine an option for a District-wide Kindergarten – grade 2 enrollment, with grade 3-4 enrollments relocated to the Charles C. Cashman Elementary School, which for purposes of the design shall be based on no more than 410 students. Third, the Feasibility Study for this Proposed Project may also examine an option for a District-wide grade 3-5 enrollment, with Kindergarten-2 enrollments relocated to the Charles C. Cashman Elementary School, which for purposes of the design shall be based on no more than 445 students. Finally, exclusive of the re-location proposals, and using information from the base enrollment projection, a design enrollment shall be based on no more than 220 students for the current configuration at the Amesbury Elementary School of Kindergarten – grade 4, in addition to the Charles C. Cashman Elementary School, which is also currently a Kindergarten – grade 4 facility.

The District will prepare and submit to the MSBA the educational space template for all options for review and acceptance. Upon acceptance of the educational space summaries, the District will commence with the evaluation of alternatives. The Schematic Design that is developed pursuant to this Agreement shall be based upon the final design enrollment which shall be subject to the written approval of the MSBA. The Schematic Design shall include, but not be limited to, the information required by the MSBA's Feasibility Study Guidelines, including, but not limited to, a site development plan, environmental assessment, geotechnical assessment, geotechnical analysis, code analysis, utility analysis, schematic building floor plans, schematic exterior building elevations, narrative building systems descriptions, NE-CHPS scorecard or LEED for Schools checklist, outline specifications, cost estimates, project schedule and proposed total project budget.

In conducting the Feasibility Study and developing the Schematic Design, the District shall, in a sufficient and timely manner as determined by the MSBA, initiate such notification procedures, undertake such review processes, and obtain such determinations and approvals as may be required by 963 CMR 2.03(2)(h) & (i), including, but not limited to, such procedures, reviews, determinations, and approvals as may be required by the Massachusetts Historical Commission (the "MHC") and/or the Massachusetts Environmental Policy Act. At its earliest opportunity, the

District shall seek a written determination from MHC as to whether MHC intends to undertake a review of the Proposed Project.

The District shall be responsible for conducting such geotechnical evaluations, site investigations, soils explorations and environmental assessments as are reasonable and necessary to determine whether any significant environmental, geotechnical or other physical conditions exist that may have an impact upon eventual construction on the proposed site. The MSBA may require the District to fully fund certain environmental or geotechnical site testing beyond initial investigatory costs. The MSBA shall bear no responsibility or liability of any sort for the results of any geotechnical evaluations or site testing, soils explorations, environmental assessments, nor for any site remediation, clean-up, or other site remediation services.

The development of the Schematic Design shall be subject to continuing review by the MSBA in accordance with the provisions of this Agreement, the MSBA's Feasibility Study guidelines and any other applicable rule, regulation, policy, guideline or directive of the MSBA. The District shall be responsible for submitting to the MSBA all documentation that is required to complete the Feasibility Study and Schematic Design and to support the preparation of a Project Scope and Budget Agreement.

Exhibit C

Calendar Year 2017

Amesbury

Amesbury Elementary School - 201500070005

MSBA Reimbursement Rate Calculation

Base Points	31.00
Income Factor	6.95
Property Wealth Factor	17.68
Poverty Factor	-
Subtotal: Reimbursement Rate Before Incentives	55.63
Incentive Points	
Maintenance (0-2)	-
CM @ Risk (0-1)	-
Newly Formed Regional District (0-6)	-
Major Reconstruction or Reno/Reuse (0-5)	-
Overlay Zoning 40R & 40S (0-1)	-
Overlay Zoning 100 units or 50% of units for 1, 2 or 3 family structures (0-0.5)	-
Energy Efficiency - "Green Schools" (0 or 2)	-
Total Incentive Points	-
MSBA Reimbursement Rate	55.63

AMESBURY ELEMENTARY SCHOOL

PROJECT DIRECTORY

AMESBURY ELEMENTARY SCHOOL - AMESBURY, MA

PROJECT DIRECTORY AND COMMITTEE LIST

NAME		E-MAIL ADDRESS	PHONE	TITLE	Building Committee (ASBC)	Owner's Project Manager	Design Team
Ken	Gray	mayorgray@amesburyma.gov	(978) 388-8121	Mayor	✓		
Peter	Hoyt	ppjgh@comcast.net	(978) 388-0670	School Committee Chair	✓		
Jared	Fulgoni	fulgonij@amesburyma.gov	(978) 388-0507	Superintendent	✓		
Joan	Liporto	liportoj@amesburyma.gov	(978) 388-0507	Director of Finance & Operations; APS	✓		
Walter	Helliesen	helliesenw@amesburyma.gov	(603) 686-6752	Principal; AES	✓		
Joe	McMilleon	jmeonmac@gmail.com	(978) 388-6269	Building Committee	✓		
Norm	Fredette	fredetten@amesburyma.gov	(978) 388-0507	Building Committee	✓		
Laurie	McAllister	l.mcallister.educator@gmail.com	(978) 804-8380	Building Committee	✓		
Cristin	Chabot	ctchabot@gmail.com	(978) 729-0039	Building Committee	✓		
Bruce	McBrien	mcbrienb@amesburyma.gov or brucemcb@gmail.com	(978) 407-7773	Building Committee	✓		
Gretchen	Marinopoulos	SC.marinopoulos@amesburyma.gov		Building Committee	✓		
Monique	Griffin	moniquegriffincpa@gmail.com	(978) 609-5217	Building Committee	✓		
John	Donnell	jdonnell@prostaraviation.com	(508) 369-2447	Building Committee	✓		
Mark	Roccograndi	mroccograndi@gmail.com	(781) 266-6515	Building Committee	✓		
Tom	Murphy	Tom.Murphy@NV5.com	(617) 905-1811	Project Executive		✓	
Rob	Juusola	Rob.Juusola@NV5.com	(617) 201-7250	Project Director		✓	
Tim	Baker	Tim.Baker@NV5	(781) 799-2359	Asistant Project Manager		✓	
Gary	Ainslie	g.ainslie@dinisco.com	(617) 947-2804	Principal in Charge			✓
Donna	DiNisco	d.dinisco@dinisco.com	(617) 429-8806	Project Manager			✓
Angel	Khazadian	a.khazadian@dinisco.com	(617) 680-3415	Project Manager			✓

AMESBURY ELEMENTARY SCHOOL
AMESBURY, MA - Master Project Schedule
(PDP Submission)

Task Name	Start	Finish	Predecessors
Board Authorization	**Mon 5/22/17**	**Mon 5/22/17**	
OPM Selection - Contract	**Fri 8/11/17**	**Fri 8/11/17**	
Designer Selection	**Fri 9/1/17**	**Mon 2/5/18**	
Feasibility Study	**Mon 4/2/18**	**Thu 12/6/18**	
Develop Educational Program and Space Summary	Mon 4/2/18	Mon 6/4/18	9,11
School Committee Vote to Submit Program to MSBA	Wed 6/6/18	Wed 6/6/18	13FS+1 day
Development & Evaluation of Alternatives	Mon 4/9/18	Thu 7/26/18	13SS+5 days
ABC Approval to Submit PDP to MSBA	Thu 11/1/18	Thu 11/1/18	14FS+3 days
MSBA PDP Review	Fri 11/2/18	Tue 11/20/18	16
Address MSBA PDP Comments/ Incorporate into PDP	Tue 11/20/18	Wed 12/5/18	17
Submit Final PDP to MSBA	Wed 12/5/18	Thu 12/6/18	18
Preferred Schematic Report	**Thu 11/1/18**	**Wed 2/13/19**	
Develop Preferred Schematic Report & Cost Estimate	Thu 11/1/18	Wed 2/13/19	
SBC Vote on Preferred Alternative/ Schematic Report	Thu 12/20/18	Thu 12/20/18	21FS+4 days
Submit Preferred Schematic Report to MSBA	Wed 1/2/19	Wed 1/2/19	22SS
MSBA PSR Review	Wed 1/9/19	Sun 1/27/19	23FS+7 days
Address PSR Comments/ Incorprate into PSR & Resubmit	Sun 1/27/19	Tue 2/5/19	24
MSBA FAS Review Meeting Date # 1	Wed 1/16/19	Wed 1/16/19	25
MSBA FAS Review Meeting Date # 2 (Alternate Date)	Wed 1/23/19	Wed 1/23/19	
Address FAS Comments & Resubmit	Thu 1/24/19	Wed 1/30/19	27
MSBA Board Vote on Preferred Schematic: Move to SD	Wed 2/13/19	Wed 2/13/19	
Schematic Design	**Thu 2/14/19**	**Mon 12/2/19**	
Develop Preferred SD Package	Thu 2/14/19	Thu 6/20/19	25
SD Cost Estimate and Reconcile	Thu 5/16/19	Thu 6/20/19	31FF
Schematic Design Submittal Notification to MSBA	Thu 6/20/19	Thu 6/20/19	32
Local Approval of SD Submission	Fri 6/21/19	Thu 6/27/19	31
Submit SD Package to MSBA	Wed 7/10/19	Wed 7/10/19	34
MSBA SD Review	Thu 7/11/19	Mon 7/29/19	35
Address SD Comments	Mon 7/29/19	Fri 8/16/19	36
MSBA and District Negotiate Project Scope and Budget	Wed 7/31/19	Thu 8/8/19	
MSBA Board of Directors Meeting	Wed 8/28/19	Wed 8/28/19	37
Project Scope and Budget Agreement Executed	Mon 12/2/19	Mon 12/2/19	39

