



August 2, 2019

Mr. Timothy Watson, Manager  
Town of Hopedale  
Water & Sewer Department  
78 Hopedale Street  
Hopedale, Massachusetts 01747

**Subject: Summary of Environmental Document Review**  
1, 6 and 7 Fitzgerald Drive  
12 and 16 Depot Street  
Hopedale, Massachusetts

Dear Mr. Watson:

At your request, EnviroTrac Ltd. (EnviroTrac) has prepared this summary of our environmental document review for the properties identified as 1, 6 and 7 Fitzgerald Drive and 12 and 16 Depot Street in the Town of Hopedale, Massachusetts (Subject Properties). Our review included review of readily available documents pertaining to the seven (7) known Massachusetts Department of Environmental Protection (MassDEP) Release Tracking Numbers (RTNs) related to the Subject Properties and available on the MassDEP online database as of August 2, 2019. A site plan depicting the Massachusetts Contingency Plan (MCP) Release Locations is attached as **Figure 1**, a table summarizing MCP Release Tracking Numbers is attached as **Table 1** and a schedule of available documents for each RTN is attached as **Table 2**.

A summary of each known RTN issued by MassDEP that involves the Subject Properties is presented below, followed by significant conclusions that can be drawn from the available information.

## **1.0 Summary of MassDEP Release Tracking Numbers**

### RTN 2-14561 – 1 Fitzgerald Drive

On November 20, 2002, MassDEP was notified by Mt. Waldo Operations, Inc. of the discovery of tetrachloroethylene (PCE) at a concentration of 20 micrograms per liter ( $\mu\text{g/l}$ ) in groundwater at the 1 Fitzgerald Drive property. Because the sample was collected from a monitoring well within the Zone II for a Town of Hopedale Public Water Supply well (PWS ID#2138000), groundwater is classified under the MCP as GW-1 and the Reportable Concentration is 5  $\mu\text{g/l}$ . MassDEP assigned RTN 2-14561 to the release.

MassDEP issued a Notice of Responsibility (NOR) and Request for Information (RFI) to Mt. Waldo Operations, Inc. on November 20, 2002. On January 30, 2003, Environmental Science Services, Inc. (ESS), on behalf of Gerrity Company, Inc., issued a letter responding to the RFI.

Subsequently, ESS Group, Inc., on behalf of Mt. Waldo Operations, Inc., submitted an MCP Phase I – Initial Site Investigation report and Tier 1C Permit Application to MassDEP on November 26, 2003. The Phase I report documented the presence of PCE in groundwater at concentrations ranging from 2 µg/l to 80 µg/l in five (5) of the eight (8) groundwater monitoring wells. The current MCP GW-1 standard for PCE is 5 µg/l. No PCE was detected in soil samples and no source of PCE at 1 Fitzgerald Drive was identified. The report recommended additional soil and groundwater investigation and historical research into the use, storage and disposal of PCE on abutting properties. MassDEP subsequently issued Tier 1C Permit No. W045927, effective January 11, 2004.

On February 17, 2006, MassDEP issued a Notice of Noncompliance (NON-CE-05-3T034) to Mt. Waldo Operations, Inc. due to the failure to submit MCP Phase II and Phase III reports by the two-year deadline of January 11, 2006.

In response to the NON, ESS Group, Inc., on behalf of Mt. Waldo Operations, Inc., submitted a Downgradient Property Status (DPS) Opinion to MassDEP. Based on the results of site investigations, the DPS Opinion asserted that the source of PCE in groundwater at 1 Fitzgerald Drive originated from the upgradient properties identified as 12 and 16 Depot Street and owned by the Grafton & Upton Railroad.

On April 18, 2006, MassDEP issued a letter to Mt. Waldo Operations, Inc. acknowledging receipt of the DPS Opinion and documenting MassDEP's review and finding that the submittal was acceptable. The DPS Opinion relieved Mt. Waldo Operations, Inc. of subsequent deadlines for Comprehensive Response Actions under the MCP and suspended the assessment of Annual Compliance Fees.

Concurrent with acknowledging receipt of the DPS Opinion, MassDEP issued a Notice of Responsibility to the Grafton & Upton Railroad.

On June 23, 2006, Woodard & Curran (W&C), on behalf of the Grafton & Upton Railroad (GURR) submitted a letter to MassDEP titled "Evaluation of Downgradient Property Status Submittal." In this evaluation letter, W&C opines that the DPS Opinion is not valid due to the failure of Mt. Waldo Operations, Inc. to "rule-out current/prior potential on-site sources" and historical common ownership of the 1 Fitzgerald Street and 12/16 Depot Street properties. Based on available files, there is no documentation that MassDEP responded to this letter.

#### RTN 2-16184 – 12 Depot Street

In response to the DPS Opinion submitted to MassDEP for RTN 2-14561 (1 Fitzgerald Drive property), MassDEP issued a Notice of Responsibility to Grafton & Upton Railroad (GURR) on April 14, 2006. A Release Notification Form was submitted to MassDEP by GURR on October 30, 2006.

During May and October 2006, subsurface investigations were conducted by GURR on the 12 and 16 Depot Street and 1 Fitzgerald Drive properties. A total of 11 soil borings/groundwater monitoring wells were installed. Soil and groundwater samples collected during these investigations were analyzed for volatile organic compounds (VOC).

An MCP Phase I – Initial Site Investigation and Tier 1C Permit Application were submitted by Woodard & Curran, on behalf of GURR, to MassDEP on April 20, 2007. The Phase I report concluded that:

- both soil and groundwater at 12 and 16 Depot Street and 1 Fitzgerald Drive were impacted by PCE and the breakdown products trichloroethylene (TCE), cis-1,2-dichloroethylene (cis-1,2-DCE) and vinyl chloride (VC).
- the PCE groundwater plume is located between the former foundry building and the former railroad roundhouse.
- soil and groundwater impacts are likely attributable to historical manufacturing activities on the properties, which were both part of the Draper Corporation / Rockwell International complex until it closed circa 1980.

On May 21, 2007, Woodard & Curran, on behalf of GURR, submitted an additional letter to MassDEP opining that the DPS Opinion submitted for RTN 2-14561 did not adequately meet MCP Performance Standards.

On June 3, 2010, Loitherstein Environmental Engineering (LEE), on behalf of GURR, submitted a letter to MassDEP notifying the Department of an anticipated delay in meeting the MCP deadline for submittal of a Phase II – Comprehensive Site Assessment (CSA) and Phase III – Remedial Action Plan (RAP) and proposed a submittal date of October 1, 2010.

On November 5, 2012, MassDEP issued a Notice of Noncompliance (NON) to GURR for failure to submit the Phase II and Phase III reports by the proposed October 1, 2010 date, as well as failure to submit a Phase IV – Remedy Implementation Plan (RIP) by June 8, 2010 and a RAO Statement by June 8, 2012. In addition, the Tier 1C Permit expired on June 8, 2012 and no extension application had been submitted. The NON specified new deadlines for the submittal of the MCP documents.

On June 9, 2016, MassDEP issued a second NON to GURR for failure to submit any of the documents required by the MCP and the November 5, 2012 NON. The NON established new deadlines for submittal of the outstanding documents.

On July 13, 2016, Green Environmental, Inc. (GEI), on behalf of GURR, submitted a Tier 1C Permit Extension application and a letter requesting an extension of the NON deadline for submittal of the MCP Phase II report to November 10, 2016. This extension request was approved by MassDEP in a letter dated August 1, 2016.

On November 7, 2016, GEI, on behalf of GURR, submitted an additional request to MassDEP to extend the deadline for submittal of the Phase II and Phase III reports to December 12, 2016. This extension was requested to allow for the collection of additional data to evaluate a condition of Substantial Release Migration (SRM) and the required Immediate Response Actions (IRA) due to the detection PCE in groundwater adjacent to the Mill River. This extension request was approved by MassDEP in a letter dated November 14, 2016.

On December 12, 2016, GEI, on behalf of GURR, submitted a Phase II – CSA and Phase III – RAP report to MassDEP. The Phase II report documented the results of existing investigation data, plus additional soil, groundwater and soil gas investigations, including the drilling of eight (8) test borings, the installation of 11 groundwater monitoring wells,

and the installation of one (1) soil-slab soil gas point through the concrete slab floor of the 1 Fitzgerald Drive building. Select soil and groundwater samples were collected and analyzed for VOC.

Evaluation of soil analytical data collected to date documented PCE as the primary soil contaminant, present in seven of 23 soil samples collect from shallow soil (0-5 ft below grade) located northwest of the 1 Fitzgerald Drive building. Specifically, the PCE in soil was present in samples collected along the railroad tracks and onto the 12 and 16 Depot Street properties.

Evaluation of groundwater analytical data collected to date documents a PCE plume exhibiting decreasing concentrations over time, extending south from the former railroad roundhouse building to the Mill River. At several monitoring well locations sampled in 2016, PCE concentrations exceed the MCP Method 1 standard of 5 µg/l.

Evaluation of one sub-slab soil gas sample collected beneath the concrete slab floor of the 1 Fitzgerald Drive building documented VOC analytical results below MassDEP residential and commercial screening values for potential vapor intrusion.

The Phase II report evaluated the potential for Critical Exposure Pathways (CEP), Imminent Hazards (IH) and conditions of Substantial Release Migration (SRM). No CEP or IH was identified. A condition of SRM was identified and, in accordance with MCP requirements, MassDEP was notified and the SRM condition was assigned RTN 2-20041 (see following section for discussion).

The Phase II report documented the methods and results of an MCP Method 1 risk characterization. Utilizing available data, the risk characterization concluded that a condition of no significant risk of harm to human health does not exist due to the presence of PCE and cis-1,2-DCE in soil and PCE and VC in groundwater at exposure point concentrations exceeding MCP Method 1 Standards.

The Phase III – RAP evaluated two (2) potential remedial action alternatives: (1) catalyzed in-situ degradation, and (2) in-situ degradation via monitored natural attenuation. Based on the evaluation, in-situ degradation via monitored natural attenuation was selected for implementation at the Disposal Site.

On July 18, 2017, MassDEP issued a Notice of Audit, Request for Site Inspection letter to GURR. An audit site inspection was conducted by MassDEP on July 20, 2017, focused on the Phase II – CSA and Phase III – RAP prepared for the site. The results of the audit were documented in an August 18, 2017 letter to GURR which determined that response actions were performed in compliance with requirements of the MCP.

On September 29, 2017, Green Environmental, on behalf of GURR, submitted an MCP Phase IV – Remedy Implementation Plan (RIP) to MassDEP. The RIP proposed to conduct semi-annual groundwater sampling and analysis up to the time of submittal of either a Remedy Operation Status opinion or a Temporary Solution statement prior to June 8, 2018.

On October 17, 2018, Environmental Strategies & Management (ES&M), on behalf of GURR, submitted a Temporary Solution Statement (TSS) to MassDEP. The TSS documented that attainment of a Permanent Solution was not feasible, that a condition of

No Substantial Hazard exists for current site uses and that all other MCP requirements for a TSS have been met.

RTN 2-20041 – 12 Depot Street

On November 7, 2016, MassDEP was notified by GURR of the presence of PCE at a concentration of 1.9 µg/l in a monitoring well located 3 feet from the Mill River. This data met the criteria for a condition of substantial release migration (SRM) under the MCP and required notification to MassDEP within 72 -hours.

On December 8, 2016, MassDEP issued a Notice of Responsibility to GURR which documented the requirement that GURR conduct Immediate Response Actions (IRA) to obtain a representative surface water sample from the Mill River and assess for PCE impacts.

On January 6, 2017, Green Environmental, on behalf of GURR, submitted an IRA Completion Report and linked RTN 2-20041 to RTN 2-16184. The IRA Completion Report document the results of an MCP Method 3, Stage I Environmental Screening which concluded that contaminants present in soil and groundwater do not pose a significant risk to environmental receptors.

RTN 2-20112 – 1/6 Fitzgerald Drive

On February 15, 2017, Hopedale Properties, LLC submitted a 120-day release notification to MassDEP due to the discovery of 2.07 mg/kg of total Polychlorinated Biphenyls (PCB) in soil. The reported PCB concentration exceeds the applicable MCP Reportable Concentration of 1 mg/kg.

On March 8, 2017, MassDEP issued a Notice of Responsibility to Hopedale Properties, LLC and assigned RTN 2-20112 to the release.

On May 8, 2017, Irwin Engineers, on behalf of Hopedale Properties, LLC, submitted a Release Abatement Measure (RAM) Plan to MassDEP. The RAM Plan stated that the reported PCBs in soil were present in a soil pile resulting from regrading activities conducted on the 1 Fitzgerald Drive property. The RAM Plan proposed the excavation and off-site disposal of up to 110 cubic yards of PCB impacted soil from the soil pile.

On June 12, 2017, Irwin Engineers, on behalf of Hopedale Properties, LLC, submitted a RAM Completion Statement and Permanent Solution with Conditions report to MassDEP. The report documented the excavation and off-site disposal of 145.59 tons of soil from the pile. The soil was transported and disposed at ESMI of N.H. in Loudon, New Hampshire. The Permanent Solution with Conditions documented the attainment of a condition of No Significant Risk. The Permanent Solution was conditioned with a recommendation that Best Management Practices (BMP) be employed should gardening for human consumption be conducted on the property. The BMP condition was utilized due to the presence of anthropogenic fill material, containing construction debris, coal and coal ash, which was likely emplaced during historic development of the property.

RTN 2-16292 – 7 Fitzgerald Drive

On June 29, 2006, First American Realty, Inc. notified MassDEP of a release of No. 6 fuel oil into the Mill River due to accidental damage to a fire hydrant and consequent flushing of oil from the adjacent soil into the river. MassDEP assigned RTN 2-16292 to the release and verbally approved Immediate Response Actions (IRA) consisting of the deployment of absorbent booms into the Mill River, excavation of up to 60 cubic yards of impacted soil and the pumping and disposal of up to 8,000 gallons of oily water during excavation.

On August 25, 2006, JTS Group, Inc. (JTS), on behalf of Hopedale Properties, LLC, submitted an IRA Plan to MassDEP. The IRA Plan documented the historic presence of a 150,000-gallon above ground No. 6 fuel oil tank and piping in the vicinity of the release. The IRA Plan also documented the removal and off-site disposal of approximately 450 linear feet of oil piping, 342.85 tons of oily soil and concrete, removal and off-site disposal of approximately 12,875 gallons of oily water and the inspection and replacement of absorbent boom in the Mill River on a regular basis. Additional IRA activities proposed included the installation of soil borings and groundwater monitoring wells to investigate the horizontal and vertical extent of the release, the collection and laboratory analyses of environmental samples, and compliance with requirements of the MCP.

On December 21, 2006, JTS, on behalf of Hopedale Properties, LLC, submitted an IRA Completion report to MassDEP. The report documented the installation of 11 soil borings, four (4) of which were completed as water table monitoring wells, the collection and laboratory analyses of nine (9) soil and four (4) groundwater samples for extractable petroleum hydrocarbons (EPH), and the continued inspection and maintenance of absorbent boom in the Mill River. Laboratory analytical results for soil were reported to be less than applicable MCP Method 1 standards for all EPH fractions and target analytes. Laboratory analytical results for groundwater were reported to be less than applicable MCP Method 1 standards for all EPH fractions and target analytes, with the exception of the results for GMW-2, where the C11-C22 Aromatic fraction result of 303 µg/l exceeded the MCP Method 1, GW-1 standard of 200 µg/l.

On June 29, 2007, JTS, on behalf of Hopedale Properties, LLC, submitted a Class A-2 Response Action Outcome (RAO) for the release. The RAO documented that a condition of No Significant Risk has been attained.

RTN 2-16335 – 7 Fitzgerald Drive

On August 2, 2006, during the performance of IRA activities by Hopedale Properties, LLC under RTN 2-16292, a water line was ruptured resulting in an additional release of oil and water into the Mill River. Hopedale Properties, LLC reported this release to MassDEP on August 2, 2006 and RTN 2-16335 was assigned. IRA activities were verbally approved by MassDEP at the time of release notification and consisted of the installation of absorbent booms in the Mill River and shut-off of the damaged water main. In addition, MassDEP approved the removal and off-site disposal of up to 5,000 gallons of oily water, temporary cover of the drain line within the excavation, cleaning and inspection of the drain line for oil, placement and maintenance of a containment boom in the Mill River downstream of the drain discharge, inspection of downstream portions of the Mill River and Spindleville Pond for oil sheen, and continued assessment and remediation under RTN 2-16292.



The RAO Statement submitted for RTN 2-16292 also documented response actions completed for RTN 2-16335.

### RTN 2-16582 – 7 Fitzgerald Drive

No files for this RTN were available on the MassDEP web site. The information presented below was obtained by reference in documents submitted for other MCP release locations.

On February 7, 2007, Utility Trailers of New England notified MassDEP of a sudden release of approximately 20 gallons of diesel fuel.

On April 23, 2007, Utility Trailers of New England submitted a Release Notification Form, and IRA Completion Statement and a Class A-1 RAO to MassDEP. A Class A-1 RAO documents that the release has achieved a Permanent Solution and the level of oil and/or hazardous material in the environment has been reduced to background.

## **2.0 Summary of Findings**

Based on the review of environmental documents summarized above, EnviroTrac has identified the following significant findings:

- A total of seven (7) RTN's were identified through review of the MassDEP online release database (<https://eeaonline.eea.state.ma.us/portal#!/search/wastesite>).
  - Four (4) of the RTNs have been closed with either a Class A RAO or Permanent Solution Statement (remediation conducted, and permanent solution achieved):
    - One (1) was closed with a Class A-1 RAO (remediation conducted, and background conditions met)
    - Two (2) were closed with Class A-2 RAOs (remediation conducted and achievement of background conditions not feasible; no significant risk to human health, safety, public welfare or the environment documented)
    - One (1) was closed with a Permanent Solution Statement (remediation conducted and achievement of background conditions not feasible; no significant risk to human health, safety, public welfare or the environment documented)
  - Two (2) RTNs were closed with a Temporary Solution Statements (remediation not feasible; no Substantial Hazard present; review required every 5-years).
  - One RTN was addressed through application of Downgradient Property Status (DPS). DPS serves to suspend compliance fees and the requirements for MCP submittals. The responsible party for the upgradient source of the contamination is responsible for MCP compliance.
  - None of the seven (7) RTN's remain open.
- The seven (7) RTNs are associated with the following physical locations on the properties:
  - The area located southwest of the former railroad roundhouse on 12 Depot Street and extending southwest toward the Mill River (RTNs 2-16184, 14561 and 20041);

- The former 150,000-gallon fuel oil AST and associated piping located in the northwest portion of the 1 Fitzgerald Drive property and extend north along the Mill River (RTNs 2-16292 and 16335);
- A motor vehicle accident at 7 Fitzgerald Drive (RTN 2-16582); and
- The piling of excess grading soil against the berm surrounding the former 150,000-gallon fuel oil AST located in the northwest portion of the 1 Fitzgerald Drive property (RTN 2-20112).

Based on the information available in the documents reviewed herein, EnviroTrac has identified the following potential conditions of non-compliance with the MCP and/or potential risks to human health or the environment:

1. With respect to RTN 2-16184, the vertical extent of PCE in groundwater was not defined in the Phase II/Phase III report or in the TSS. The MCP requires the horizontal and vertical delineation of contamination at 310 CMR 40.0833(1)(a) and 40.0835(4)(f). Concentrations of PCE in groundwater at monitoring well couplet GRN-4S/GRN-4D do not document a declining trend in concentration with depth; therefore, it is EnviroTrac's opinion that the vertical extent has not been delineated.

Further, the construction of the GRN-4S/GRN-4D well couplet is suspect, as the boring log for GRN-4S is not included in the Phase II report and the boring log for GRN-4D documents a boring terminated at 15 feet below ground surface (bgs), yet describes a monitoring well constructed with a screened interval from 18 to 21 feet bgs.

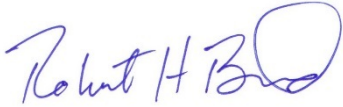
2. Also with respect to RTN 2-16184, groundwater samples collected on August 30, 2018 were analyzed for VOCs in water using EPA Method 8260. For this analysis, the laboratory reporting limit for 1,4-dioxane was 50 µg/l. The MCP Method 1, GW-1 groundwater standard is 0.3 µg/l, resulting in the inability to detect the presence of 1,4-dioxane at concentrations exceeding the applicable standard.
3. With respect to RTN 2-20112, the presence of PCB at concentrations exceeding the MCP Method 1, soil category S-1 standard of 1 mg/kg in the soil stockpile was documented. In addition, soil samples were collected and analyzed from the ground surface and the asphalt berm adjacent to the stockpile. However, as stated in Section 3.1 of the report, the stockpile was formed during site regrading and the soil was pushed from the 1 Fitzgerald Drive property to form the stockpile. No sampling and analysis of soils outside the historic grading area on the 1 Fitzgerald Drive property was documented.
4. With respect to subsurface investigations conducted on the Subject Properties, the presence of anthropogenic fill material, containing construction debris, coal, and coal ash, has been well documented within the upper several feet of ground surface. The presence of this fill, and the associated oil and/or hazardous materials, are generally considered to be "background" under the MCP and not regulated. However, the common presence of lead, arsenic and pyrogenic polycyclic aromatic hydrocarbons (PAH) in anthropogenic fill may pose a risk to human health, and human exposure should be controlled.



Thank you very much for the opportunity to provide environmental consulting services to the Town of Hopedale. If you have any questions or comments, please contact me at (781) 793-0074.

Sincerely,

**EnviroTrac Ltd.**



Robert H. Bird, LSP  
Principal Hydrogeologist

Attachments:            Table 1 - Summary of Release Tracking Numbers  
                                 Table 2 – Schedule of MCP Documents  
                                 Figure 1 – MCP Release Locations

TABLE 1

**SUMMARY OF MassDEP RELEASE TRACKING NUMBERS**

Depot Street and Fitzgerald Drive Area  
Hopedale, Massachusetts

RTN	RESPONSIBLE PARTY	ADDRESS	PARCEL ID	DEP NOTIFICATION		SOURCE	RELEASE			REMEDATION			RESPONSE ACTION OUTCOME/PERMANENT SOLUTION					NOTES
				DATE	TYPE		TYPE	QUANTITY	SOIL	GW	NAPL	SOIL CLASS	GW CLASS	RISK METHOD	DATE	TYPE		
2-14561	Gerrity Co., Inc.	1 Fitzgerald Drive	11-174-0	11/20/2002	120-day	UNK	PCE	0.02 MG/L	N	N	N	NA	NA	NA	2/28/2006	NA	DPS	
2-20112	Hopedale Properties LLC Series D	1/6 Fitzgerald Drive	11-174-0/1	2/15/2017	120-day	UNK	PCB	2.07 MG/KG	110 CY	N	N	S-1/S-3	NA	1	6/13/2017	PSC		
2-16292	Hopedale Properties, LLC	7 Fitzgerald Drive	11-173/11-173-1	6/29/2006	2-hr	PIPE	#6 FO	UNK	250 CY	12,875 GAL		2	1	1	6/29/2007	A2		
2-16335	Hopedale Properties, LLC	7 Fitzgerald Drive	11-173/11-173-1	8/2/2006	2-hr	PIPE	#6 FO	SHEEN	NA	NA	NA	2	1	1	6/29/2007	A2	LINKED TO 2-16292 (6/29/2007)	
2-16582	Utility Trailers of New England	7 Fitzgerald Drive	11-173-0	2/13/2007	2-hr	VEH	DIESEL	20 GAL	N	N	20 GAL	NA	NA	NA	4/25/2007	A1	NO MASSDEP FILES AVAILABLE	
2-16184	Grafton & Upton Railroad	12 Depot Street	11-63-1	4/14/2006	120-day	UNK	CVOC	UNK	N	MNA	N	1	3	1	10/17/2018	TSS		
2-20041	Grafton & Upton Railroad	12 Depot Street	11-63-1	11/7/2016	72-hr	UNK	CVOC	UNK	N	MNA	N	1	3	1	NA	TSS	LINKED TO 2-16184 (1/6/2017)	

**NOTES:** PCE = Tetrachloroethylene  
 PCB = Polychlorinated Biphenyl  
 FO = Fuel Oil  
 CVOC = Chlorinated Volatile Organic Compound  
 PSC = Permanent Solution with Conditions  
 TSS = Temporary Solution Statement

**TABLE 2**

**SCHEDULE OF MCP DOCUMENTS**

Environmental Document Review  
 1, 6 and 7 Fitzgerald Drive  
 12 and 16 Depot Street  
 Hopedale, Massachusetts

<b>RTN</b>	<b>Date</b>	<b>Document / Activity</b>	<b>Prepared By</b>	<b>Submitted To</b>
2-14561	1/11/2002	Summary Letter Report	ENSOL	First American Realty, Inc.
2-14561	4/17/2002	UST Closure Report	Environmental Science Services, Inc.	The Gerrity Company, Inc.
2-14561	9/10/2002	Focused Groundwater Assessment	Environmental Science Services, Inc.	The Gerrity Company, Inc.
2-14561	11/20/2002	Release Notification Form (RNF)	Mt. Waldo Operations, Inc.	MassDEP
2-14561	1/13/2003	Notice of Responsibility (NOR) and Request for Information (RFI)	MassDEP	Gerrity Company, Inc.
2-14561	1/30/2003	Response to RFI	Environmental Science Services, Inc.	MassDEP
2-14561	11/26/2003	Phase I Report	ESS Group, Inc.	MassDEP
2-14561	11/26/2003	Tier 1C Classification Submittal	ESS Group, Inc.	MassDEP
2-14561	1/7/2004	Site Inspection Memo	Robert Adler, MassDEP CERO	MassDEP File
2-14561	2/16/2006	Notice of Noncompliance (NON)	MassDEP	Mt. Waldo Operations, Inc.
2-14561	2/28/2006	Downgradient Property Status (DPS) Submittal	ESS Group, Inc.	MassDEP
2-14561	4/14/2006	NOR (RTN 2-16184)	MassDEP	Grafton & Upton Railroad Company
2-14561	4/18/2006	Acknowledgement of Receipt of DPS	MassDEP	Mt. Waldo Operations, Inc.
2-14561	6/22/2006	Evaluation of DPS Submittal	Woodard & Curran	MassDEP
2-16184	4/14/2006	NOR	MassDEP	Grafton & Upton Railroad
2-16184	9/7/2006	NON Extension Request	MassDEP	Grafton & Upton Railroad
2-16184	9/19/2006	NON Extension Request	Woodard & Curran	MassDEP
2-16184	9/22/2006	Interim Deadline Extension	MassDEP	Grafton & Upton Railroad
2-16184	10/30/2006	RNF pursuant to Interim Deadline Extension	Woodard & Curran	MassDEP
2-16184	4/20/2007	Phase I Report and Tier Classification (TC)	Woodard & Curran	Grafton & Upton Railroad
2-16184	4/20/2007	Tier IC Permit Application	Grafton & Upton Railroad	MassDEP
2-16184	5/21/2007	DPS Comment Letter	Woodard & Curran	MassDEP
2-16184	6/3/2010	Notification of Delay	Loitherstein Environmental Engineering	MassDEP
2-16184	11/5/2012	NON	MassDEP	Grafton & Upton Railroad
2-16184	6/10/2016	NON	MassDEP	Grafton & Upton Railroad
2-16184	7/13/2016	Deadline Extension Request	Green Environmental	MassDEP
2-16184	7/13/2016	Tier I Permit Extension	Green Environmental	MassDEP
2-16184	8/1/2016	NON Extension Approval	MassDEP	Grafton & Upton Railroad
2-16184	11/7/2016	Deadline Extension Request P2/3	Green Environmental	MassDEP
2-16184	11/14/2016	Deadline Extension Approval	MassDEP	Green Environmental
2-16184	12/12/2016	Phase II / III Report	Green Environmental	MassDEP
2-16184	7/20/2017	Notice of Audit	MassDEP	Grafton & Upton Railroad
2-16184	8/18/2017	Notice of Audit Findings	MassDEP	Grafton & Upton Railroad
2-16184	9/29/2017	Phase IV RIP	Green Environmental	MassDEP
2-16184	10/17/2018	Temporary Solution Statement (TSS)	ES&M	MassDEP
2-16292	6/29/2006	Release Log Form (BWSC-101)	Hopedale FD	MassDEP
2-16292	6/29/2006	Field NOR	MassDEP	First American Realty Corp.
2-16292	7/20/2006	NOR	MassDEP	First American Realty Corp.
2-16292	8/25/2006	Immediate Response Action (IRA) Plan	JTS Group, Inc.	MassDEP
2-16292	12/21/2006	IRA Completion Report	JTS Group, Inc.	MassDEP
2-16292	6/29/2007	Class A-2 Response Action Outcome (RAO)	JTS Group, Inc.	MassDEP
2-16335	8/2/2006	Release Notification	First American Realty Corp.	MassDEP
2-16335	8/18/2006	NOR	MassDEP	First American Realty Corp.
2-16335	6/29/2007	Class A-2 RAO	JTS Group, Inc.	MassDEP
2-16582	2/13/2007	Release Notification	Utility Trailers of New England	MassDEP
2-16582	4/23/2007	RNF Submitted	Utility Trailers of New England	MassDEP
2-16582	4/23/2007	IRA Completion Statement	Utility Trailers of New England	MassDEP
2-16582	4/23/2007	Class A-1 RAO	Utility Trailers of New England	MassDEP
2-20041	11/7/2016	Release Notification	Grafton & Upton Railroad	MassDEP
2-20041	12/8/2016	NOR	MassDEP	Grafton & Upton Railroad
2-20041	1/6/2017	IRA Completion Report (linked to RTN 2-16184)	Green Environmental	MassDEP
2-20041	7/18/2017	Notice of Audit	MassDEP	Grafton & Upton Railroad
2-20041	8/18/2017	Notice of Audit Findings	MassDEP	Grafton & Upton Railroad
2-20112	2/15/2017	RNF	Hopedale Properties, LLC	Mass
2-20112	3/8/2017	NOR	MassDEP	Hopedale Properties, LLC
2-20112	5/8/2017	Release Abatement Measure (RAM) Plan	Irwin Engineers	MassDEP
2-20112	5/9/2017	Bill of Lading (BOL)	Irwin Engineers	MassDEP
2-20112	6/13/2017	RAM Completion and PSSC	Irwin Engineers	MassDEP

**NOTES:**



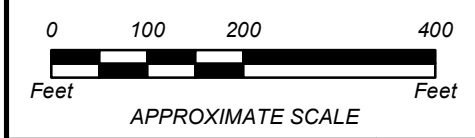




**LEGEND**

- AREA OF INTEREST
- RTN DISPOSAL SITE BOUNDARY**
- 2-16184; 2-14561; 2-20041
- 2-16292; 2-16335
- 2-20112

Data Source: Bureau of Geographic Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Technology and Security Services.



REVISED BY: RHB  
 REVISION DATE: 8/4/2019

FIGURE  
**1**

**MCP RELEASE LOCATIONS**

DEPOT STREET  
 FITZGERALD DRIVE  
 HOPEDALE, MASSACHUSETTS

