# CITY OF SPRINGFIELD

CONSTRUCTION
RELEASE ABATEMENT
MEASURE (RAM)
STATUS REPORT 1

FORMER CHAPMAN
VALVE
MANUFACTURING
FACILITY,
225 GOODWIN
STREET

SPRINGFIELD, MASSACHUSETTS

RTN: 1-00616

JANUARY 2008



tel: 978-532-1900 fax: 978-977-0100 . www.westonandsampson.com

planning, permitting, design, construction, operation, maintenance, design/build, & equipment

# Weston & Sampson ..

Springfield Chapman Valve Weston & Sampson Project No. 2070222.B

January 15, 2008

Ms. Caprice Shaw
Bureau of Waste Site Cleanup
Department of Environmental Protection
Western Regional Office
46 Dwight Street, 4<sup>th</sup> floor
Springfield, Massachusetts 01103-1317

Re:

First Construction RAM Status Report Former Chapman Valve Manufacturing Facility Springfield, Massachusetts RTN 1-0616

Dear Ms. Shaw:

Weston & Sampson, on behalf of the City of Springfield, has prepared the first Construction Release Abatement Measure (RAM) Status Report for the Former Chapman Valve Manufacturing Facility Building Demolition project located at 225 Goodwin Street in Springfield, Massachusetts (the Site). The purpose of this Construction RAM Status Report is to document response actions that have been taken since the submittal of the Construction RAM Plan on September 18, 2007. The City of Springfield acquired the Site through non-payment of taxes and, as a result, is undertaking voluntary response actions. In accordance with those response actions and a letter dated November 8, 2007, the City is not considered a Potentially Responsible Party with liability for response action cost and damages under M.G.L. c. 21e. Since the City is electing to conduct response actions voluntarily, the City is not obliged to meet any deadline requirements specified under the Massachusetts Contingency Plan (MCP).

The Site is located in an industrial/residential section of Springfield, Massachusetts. A site locus map is included in Figure 1. The Goodwin Street property is a former steel foundry site consisting of an 11.9 acre parcel and a 141,000 square foot, generally rectangular, industrial building. A release had occurred from a group of six underground storage tanks (USTs), which were located near the northwest corner of the Site building. The oil release at the Site is listed by the Massachusetts Department of Environmental Protection (DEP) under the name American Dream Modular Homes, release tracking number (RTN) 1-0616, and is listed as a confirmed Tier II disposal site. The release of petroleum from the subject USTs was first reported to DEP in January 2001.

A Phase I Report and Tier Classification for the No. 6 fuel oil storage tank release on 225 Goodwin Street was prepared by O'Reilly, Talbot, & Okun Associates, Inc. (OTO) in March 2002. The disposal site score was 133, supporting a Tier II Classification. OTO also conducted several investigations and subsurface explorations between 2000 and 2003 in order to

Foxborough, MA 02035

225 New Boston Street Weburn, MA 01801 characterize the possible presence, nature, and extent of oil and hazardous material (OHM) in soil and groundwater. The investigations included soil borings and monitoring well installation, field screening of soil samples, and laboratory analysis of soil samples and groundwater samples. A Phase II Comprehensive Site Assessment Report/Phase III Remedial Action Plan for the oil release was prepared by OTO in June 2003.

The MCP requirements for the RAM Status Report (310 CMR 40.0445) are shown below in *italic* text and the RAM activities are shown in normal text. The original signed and stamped BWSC-106 form is attached with a copy included in Appendix A.

### (a) The status of response actions;

On December 19, 2007 Weston & Sampson observed initial excavation activities at the Site in accordance with the September 2007 Construction RAM Plan. See Figure 2 for the approximate area where excavation activities were conducted. Soil was observed for visual and olfactory evidence of petroleum contamination and screened for total volatile organic compounds (TVOCs) with a photoionization detector (PID) using the DEP-recommended jar headspace analytical screening procedure every 20 cubic yards (cy). PID readings ranged from <0.1 parts per million (ppm) to 8 ppm. Approximately 6 cy of contaminated soil was stockpiled on and covered by 6-mil poly sheeting. Asbestos was encountered during excavation and excavation activities were stopped.

On January 4 & 7 2008, Weston & Sampson returned to the Site and documented the removal and excavation of two 15,000-gallon No. 2 fuel oil USTs (UST 1 and UST 2). Please see Figure 2 for UST removal locations. Weston & Sampson excavated to an average depth of approximately 18 feet below grade and stockpiled approximately 100 cy of petroleum-contaminated soil on 6-mil poly sheeting. Confirmatory soil samples were taken from the sidewalls and bottom of the excavation. The samples were submitted to a Massachusetts-certified laboratory for the analysis of extractable and volatile petroleum hydrocarbons (EPH/VPH) with target polycyclic aromatic hydrocarbons (PAHs) and target volatile organic compounds (VOCs).

John S. Bourcier from DEP was on Site January 4, 2008, and Caprice G. Shaw from DEP was on Site January 7, 2008, to observe excavation and UST removal activities conducted by Weston & Sampson. See Figure 2 for the approximate area where excavation activities and UST removal activities were conducted.

During excavation and UST removal, soil was observed for visual and olfactory evidence of petroleum contamination and screened for TVOCs with a PID using the DEP-recommended jar headspace analytical screening procedure every 20 cy. PID readings ranged from <0.1 ppm to 107 ppm. Please see Table 1 for PID screening results. Gray petroleum stained soils and a moderate petroleum odor were detected in soils from approximately 15 and 19 feet below ground surface (bgs).

Groundwater was encountered at approximately 15 feet below grade. Dewatering was not conducted because soils encountered at the bottom of the excavation appeared to be reddish brown till with low permeability that limited the amount of groundwater entering the excavation. Due to the limit of reach of the excavator and the difficulty in excavating the till, excavation was terminated at approximately 20 feet bgs. Not all petroleum-impacted soils could be removed from the excavation. After excavation was terminated Weston & Sampson collected two confirmatory samples from the bottom of the excavation. The excavation will not be backfilled until further evaluation is completed and the data reviewed in accordance with the Construction RAM Plan.

The USTs were in fair condition. No holes were observed. Pits and rusted areas were observed. Possible releases from both USTs were observed due to evidence of petroleum-stained soil observed on the west end wall of UST 1 and the east end wall of UST 2.

On January 7, 2008 the two 15,000-gallon USTs were transported off-Site by Associated Building Wreckers, Inc. Springfield, Massachusetts and taken to Mass Tank Disposal, Chicopee, Massachusetts, an approved tank disposal yard, in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 9.00.

On January 8, 2008 Weston & Sampson collected one water sample from a raceway approximately 10 inches deep containing approximately 1 inch of standing water. The source of the water may be floor runoff generated during cleanout of the boiler room. The raceway contains pipes leading from the USTs into the building. The sample was submitted to a Massachusetts-certified laboratory for the analysis of EPH/VPH, VOCs, polychlorinated biphenyls (PCBs), and total unfiltered Resource Conservation and Recovery Act (RCRA) 8 metals. See Figure 2 for pipe raceway location.

Weston & Sampson also collected one water sample from a manhole located inside the boiler room where oily water was observed. The source of the water could not be determined. During sampling, Weston & Sampson observed that the manhole contained an undetermined thickness of non-aqueous phase liquid (NAPL) similar to No. 2 fuel oil. The sample was submitted to a Massachusetts-certified laboratory for the analysis of EPH/VPH, VOCs, PCBs, and total unfiltered RCRA 8 metals. See Figure 2 for pipe raceway and manhole locations.

## (b) Any significant new site information or data;

On January 7, 2008, Weston & Sampson field screening results in excess of 100 ppm in soil located within 10 feet of a UST during removal activities constituted a 72-hour release notification to DEP. Weston & Sampson contacted Ms. Caprice Shaw, who agreed that a separate RTN was not required as the original release was associated with the USTs and response actions are underway in accordance with the RAM Plan.

On December 19, 2007, during excavation activities Weston & Sampson encountered asbestos-containing material on associated UST pipes. Weston & Sampson contacted DEP

and the insulation material will be abated before the remaining four tanks are removed. In addition, No. 6 fuel oil needs to be removed from the remaining USTs before excavation and tank removal continues at the Site.

(c) Details of and/or plans for the management of Remediation Waste, Remedial Wastewater and/or Remedial Additives;

Four sidewall and two bottom excavation soil samples were submitted to a Massachusetts-certified laboratory for the analysis of EPH/VPH with target PAHs and target VOCs as well as VOC analysis. Weston & Sampson did not receive the analytical results prior to submittal of this report.

According to the Construction RAM Plan, soils with PID readings between 10 and 100 ppm may be used as backfill if laboratory analytical results indicate contaminant concentrations are within applicable MCP cleanup standards. The confirmatory soil analytical results from the excavation walls and bottom will be compared to Method 1 cleanup standards. If contaminant concentrations are below applicable Method 1 cleanup standards, the excavation will be backfilled and no further remedial action will be performed. However, based upon gray petroleum staining and a moderate petroleum odor, these soils excavated from depths between 15 and 19 feet bgs were stockpiled on 6-mil poly sheeting and covered with 6-mil poly sheeting for future off site disposal.

All stockpiled petroleum contaminated soil will be removed from the Site within 120 calendar days of the initial excavation.

(d) Any other information that the Department during its review and evaluation of a Status Report determines to be necessary to complete said Status Report, in view of site specific circumstances and conditions;

DEP has requested that Weston & Sampson submit a Tier II Extension to put the Site back into compliance. Weston & Sampson is in the process of preparing the submittal.

(e) An LSP Opinion as to whether the Release Abatement Measure is being conducted in conformance with the Release Abatement Measure Plan and any conditions of approval established by the Department.

The RAM activities are being conducted in accordance with the Construction RAM Plan. The Licensed Site Professional (LSP) Opinion is included in the attached RAM Transmittal form (BWSC-106).

If you have any questions or require additional information, please contact our office at (978) 532-1900.

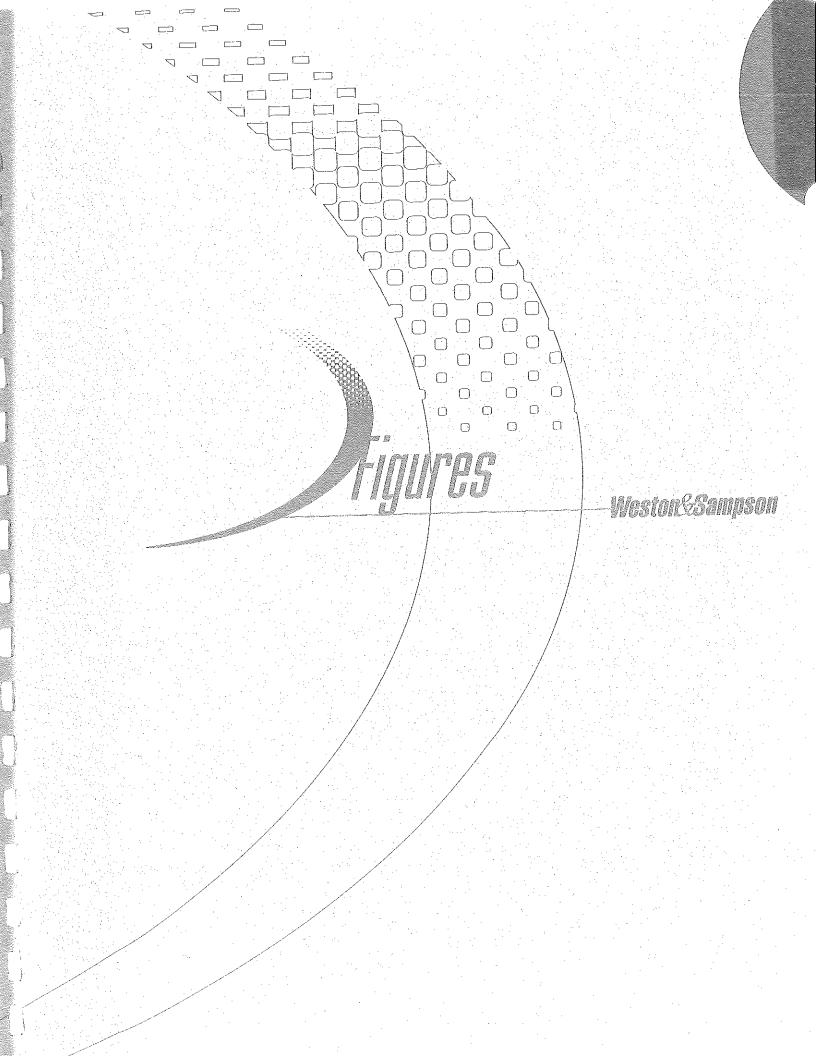
Very truly yours,

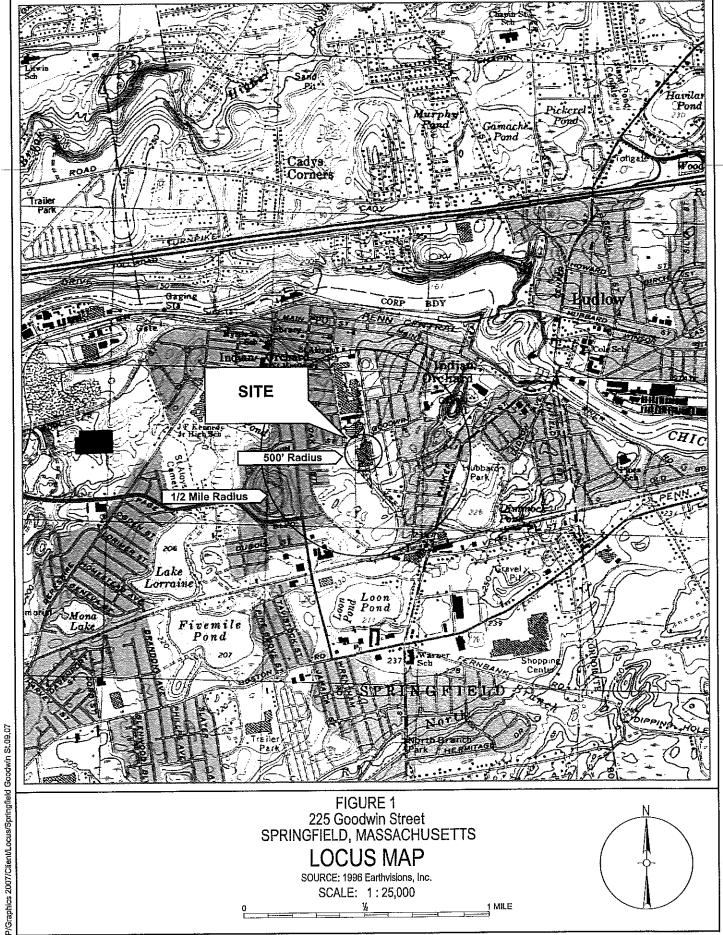
WESTON & SAMPSON

George D. Naslas, P.G., LSP

Associate

O:\Springfield MA\Chapman\Reports\RAM Status #1.doc





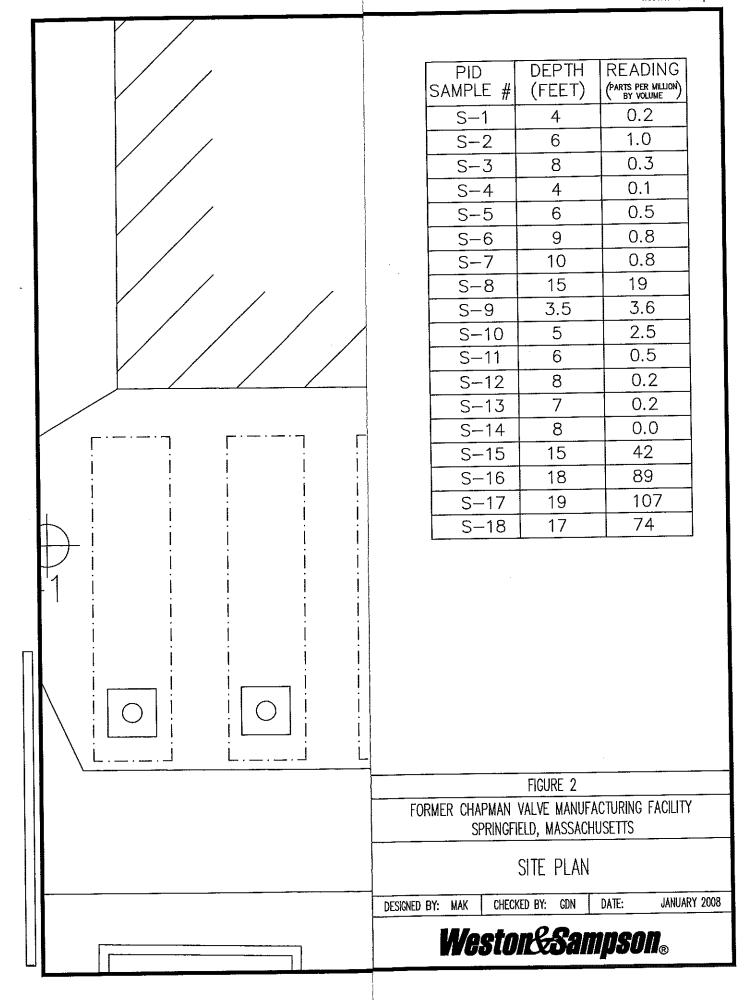
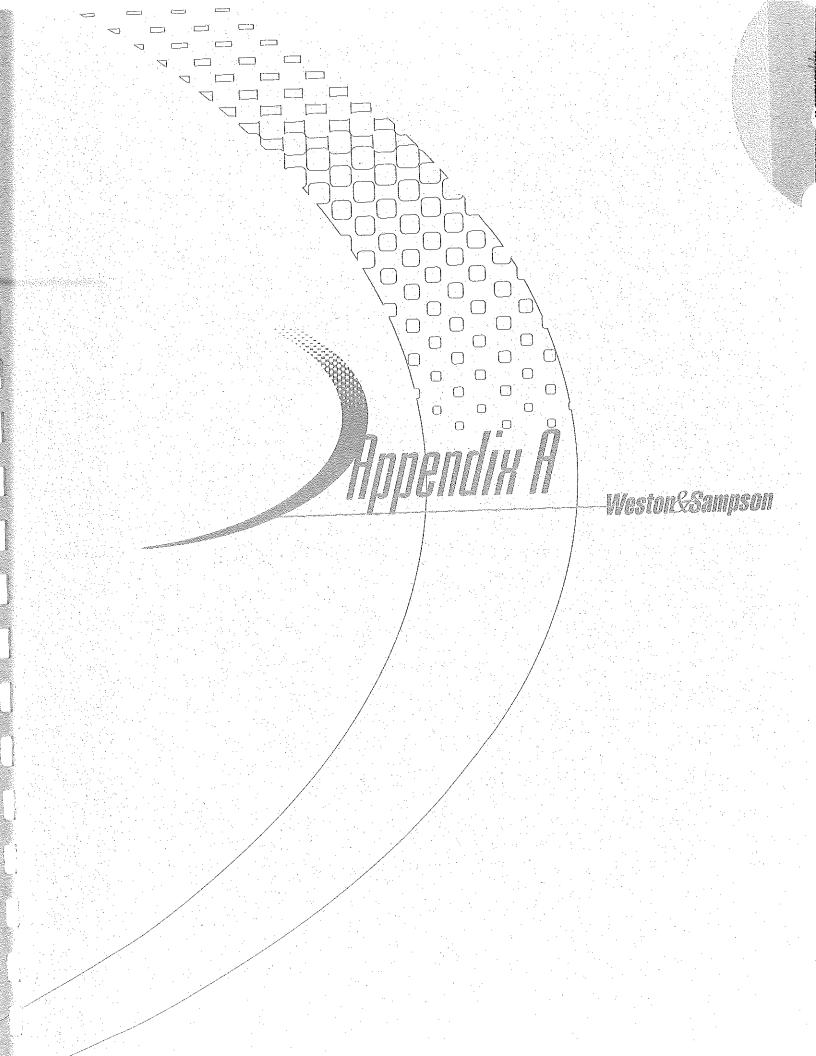


Table 1
Former Chapman Valve Manufacturing Facility
Springfield, Massachusetts
PID Field Screening Results
Janaury 4, 7 & 8, 2008

Sample	Sample Depth	Time	PID Reading
	(feet)		(ppmv)
S-1	4	1015	0.2
S-2	6	1022	1.0
S-3	8	1027	0.3
S-4	4	1036	0.1
S-5	6	1048	0.5
S-6	9	1107	0.8
S-7	10	1114	0.8
S-8	15	1300	19
S-9	3.5	, 925	3.6
S-10	5	931	2.5
S-11	6	1002	0.5
S-12	8	1006	0.2
S-13	7	1011	0.2
S-14	8	1020	<0.1
S-15	15	1245	42
S-16	18	1433	89
S-17	19	1454	107
S-18	17	801	74

\Springfield MA\Chapman\Tables\[PID table.xls]Chapman Valve



# Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

### **BWSC106**

Release Tracking Number

1	-	00616

## TRANSMITTAL FORM Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

RELEASE ABATEMENT MEASURE (RAM)

,
A. SITE LOCATION:
Site Name/Location Aid: Former Chapman Valve Manufacturing Facility
2. Street Address: 225 Goodwin Street
3. City/Town: Springfield 4. ZiP Code: 01151-0000
5. UTM Coordinates: a. UTM N: 4,669,460 m b. UTM E: 706,640 m
<ul> <li>Check here if a Tier Classification Submittal has been provided to DEP for this disposal site.</li> <li>a. Tier IA</li> <li>b. Tier IB</li> <li>c. Tier IC</li> <li>d. Tier II</li> </ul>
7. If a Tier I Permit has been issued, provide Permit Number:
B. THIS FORM IS BEING USED TO: (check all that apply)
1. List Submittal Date of initial RAM Plan (if previously submitted): 09/17/2007 (mm/dd/yyyy)
2. Submit an Initial Release Abatement Measure (RAM) Plan.
<ul> <li>a. Check here if the RAM is being conducted as part of the construction of a permanent structure. If checked, you must specify what type of permanent structure is to be erected in or in the immediate vicinity of the area where the RAM is to be conducted.</li> </ul>
b. Specify type of permanent structure: (check all that apply) 🔲 i. School 🔲 ii. Residential 📄 iii. Commercial
iv. Industrial v. Other Specify:
3. Submit a Modified RAM Plan of a previously submitted RAM Plan.
4. Submit a RAM Status Report.
5. Submit a Remedial Monitoring Report. (This report can only be submitted through eDEP, concurrent with a RAM Status Report.)
a. Type of Report: (check one) 🔲 i. Initial Report 🔲 ii. Interim Report 🤲 iii. Final Report
b. Number of Remedial Systems and/or Monitoring Programs:
A separate BWSC106A, RAM Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.
6. Submit a RAM Completion Statement.
7. Submit a Revised RAM Completion Statement.
8. Provide Additional RTNs:
a. Check here if this RAM Submittal covers additional Release Tracking Numbers (RTNs). RTNs that have been previously linked to a Primary Tier Classified RTN do not need to be listed here. This section is intended to allow a RAM to cover more than one unclassified RTN and not show permanent linkage to a Primary Tier Classified RTN.
b. Provide the additional Release Tracking Number(s)
(All sections of this transmittal form must be filled out unless otherwise noted above)

# Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

**BWSC106** 

# RELEASE ABATEMENT MEASURE (RAM) TRANSMITTAL FORM

Releas	ie T	racking Numbe
1	- [	00616

Pursuant to 310 CMR 40.0444 - 0446 (Subpart D	)
C. RELEASE OR THREAT OF RELEASE CONDITIONS THAT WARRANT	ГКАМ:
1. Identify Media Impacted and Receptors Affected: (check all that app	oly)
a. Air b. Basement c. Critical Exposure Pathway	y 🔽 d. Groundwater 🔲 e. Residence
f. Paved Surface g. Private Well h. Public Water	Supply 🔲 i. School 🔲 j. Sediments
✓ k. Soil ☐ I. Storm Drain ☐ m. Surface Water [	n. Unknown o. Wetland p. Zone 2
	<del></del>
<ol> <li>Identify all sources of the Release or Threat of Release, if known:</li> <li>a. Above-ground Storage Tank (AST)</li> <li>b. Boat/Vess</li> </ol>	
e. Pipe/Hose/Line f. TankerTruck g. Transfo	ormer 🗹 h. Under-ground Storage Tank (UST)
i. Vehicle j. Others Specify:	
3. Identify Oils and Hazardous Materials Released: (check all that ap	pply)
✓ a. Oils	s
d. Others Specify:	
-	
D. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply, for	or volumes list cumulative amounts)
D. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply, fo	or volumes list cumulative amounts)
1. Assessment and/or Monitoring Only	2. Temporary Covers or Caps
1. Assessment and/or Monitoring Only     3. Deployment of Absorbent or Containment Materials	2. Temporary Covers or Caps     4. Temporary Water Supplies
<ul> <li>1. Assessment and/or Monitoring Only</li> <li>3. Deployment of Absorbent or Containment Materials</li> <li>5. Structure Venting System</li> </ul>	<ul> <li>2. Temporary Covers or Caps</li> <li>4. Temporary Water Supplies</li> <li>6. Temporary Evacuation or Relocation of Residents</li> </ul>
<ul> <li>1. Assessment and/or Monitoring Only</li> <li>3. Deployment of Absorbent or Containment Materials</li> <li>5. Structure Venting System</li> <li>7. Product or NAPL Recovery</li> </ul>	<ul> <li>2. Temporary Covers or Caps</li> <li>4. Temporary Water Supplies</li> <li>6. Temporary Evacuation or Relocation of Residents</li> <li>8. Fencing and Sign Posting</li> </ul>
<ul> <li>1. Assessment and/or Monitoring Only</li> <li>3. Deployment of Absorbent or Containment Materials</li> <li>5. Structure Venting System</li> <li>7. Product or NAPL Recovery</li> <li>9. Groundwater Treatment Systems</li> </ul>	<ul> <li>2. Temporary Covers or Caps</li> <li>4. Temporary Water Supplies</li> <li>6. Temporary Evacuation or Relocation of Residents</li> <li>8. Fencing and Sign Posting</li> <li>10. Soil Vapor Extraction</li> </ul>
<ul> <li>1. Assessment and/or Monitoring Only</li> <li>3. Deployment of Absorbent or Containment Materials</li> <li>5. Structure Venting System</li> <li>7. Product or NAPL Recovery</li> <li>9. Groundwater Treatment Systems</li> </ul>	<ul> <li>2. Temporary Covers or Caps</li> <li>4. Temporary Water Supplies</li> <li>6. Temporary Evacuation or Relocation of Residents</li> <li>8. Fencing and Sign Posting</li> <li>10. Soil Vapor Extraction</li> </ul>
<ul> <li>1. Assessment and/or Monitoring Only</li> <li>3. Deployment of Absorbent or Containment Materials</li> <li>5. Structure Venting System</li> <li>7. Product or NAPL Recovery</li> <li>9. Groundwater Treatment Systems</li> </ul>	<ul> <li>2. Temporary Covers or Caps</li> <li>4. Temporary Water Supplies</li> <li>6. Temporary Evacuation or Relocation of Residents</li> <li>8. Fencing and Sign Posting</li> <li>10. Soil Vapor Extraction</li> </ul>
<ul> <li>1. Assessment and/or Monitoring Only</li> <li>3. Deployment of Absorbent or Containment Materials</li> <li>5. Structure Venting System</li> <li>7. Product or NAPL Recovery</li> <li>9. Groundwater Treatment Systems</li> </ul>	<ul> <li>2. Temporary Covers or Caps</li> <li>4. Temporary Water Supplies</li> <li>6. Temporary Evacuation or Relocation of Residents</li> <li>8. Fencing and Sign Posting</li> <li>10. Soil Vapor Extraction</li> </ul>
<ul> <li>1. Assessment and/or Monitoring Only</li> <li>3. Deployment of Absorbent or Containment Materials</li> <li>5. Structure Venting System</li> <li>7. Product or NAPL Recovery</li> <li>9. Groundwater Treatment Systems</li> </ul>	<ul> <li>2. Temporary Covers or Caps</li> <li>4. Temporary Water Supplies</li> <li>6. Temporary Evacuation or Relocation of Residents</li> <li>8. Fencing and Sign Posting</li> <li>10. Soil Vapor Extraction</li> </ul>
<ul> <li>1. Assessment and/or Monitoring Only</li> <li>3. Deployment of Absorbent or Containment Materials</li> <li>5. Structure Venting System</li> <li>7. Product or NAPL Recovery</li> <li>9. Groundwater Treatment Systems</li> </ul>	<ul> <li>2. Temporary Covers or Caps</li> <li>4. Temporary Water Supplies</li> <li>6. Temporary Evacuation or Relocation of Residents</li> <li>8. Fencing and Sign Posting</li> <li>10. Soil Vapor Extraction</li> </ul>
<ul> <li>1. Assessment and/or Monitoring Only</li> <li>3. Deployment of Absorbent or Containment Materials</li> <li>5. Structure Venting System</li> <li>7. Product or NAPL Recovery</li> <li>9. Groundwater Treatment Systems</li> </ul>	<ul> <li>2. Temporary Covers or Caps</li> <li>4. Temporary Water Supplies</li> <li>6. Temporary Evacuation or Relocation of Residents</li> <li>8. Fencing and Sign Posting</li> <li>10. Soil Vapor Extraction</li> </ul>
<ul> <li>1. Assessment and/or Monitoring Only</li> <li>3. Deployment of Absorbent or Containment Materials</li> <li>5. Structure Venting System</li> <li>7. Product or NAPL Recovery</li> <li>9. Groundwater Treatment Systems</li> </ul>	<ul> <li>2. Temporary Covers or Caps</li> <li>4. Temporary Water Supplies</li> <li>6. Temporary Evacuation or Relocation of Residents</li> <li>8. Fencing and Sign Posting</li> <li>10. Soil Vapor Extraction</li> </ul>
<ul> <li>1. Assessment and/or Monitoring Only</li> <li>3. Deployment of Absorbent or Containment Materials</li> <li>5. Structure Venting System</li> <li>7. Product or NAPL Recovery</li> <li>9. Groundwater Treatment Systems</li> </ul>	<ul> <li>2. Temporary Covers or Caps</li> <li>4. Temporary Water Supplies</li> <li>6. Temporary Evacuation or Relocation of Residents</li> <li>8. Fencing and Sign Posting</li> <li>10. Soil Vapor Extraction</li> </ul>

# Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

# RELEASE ABATEMENT MEASURE (RAM) TRANSMITTAL FORM

O ONED 40 DA44 - O446 (Subport D)

**BWSC106** 

		racking Numbe
1	_	00616

	Pursuant to 310 CMR 40.0444	- 0446 (Subpan I	<u> </u>		
	SCRIPTION OF RESPONSE ACTIONS (cont.): 3. Excavation of Contaminated Soils	(check all that a			
	a. Re-use, Recycling or Treatment	i. On Site	Estimated volume in cubic yards	100 c.y.	
		ii. Off Site	Estimated volume in cubic yards		
	iia. Receiving Facility:		Town:	State: _	
	iib. Receiving Facility:		Town:	State: _	
	iii. Describe:				
	b. Store	i. On Site	Estimated volume in cubic yards		
		ii. Off Site	Estimated volume in cubic yards		
	iia. Receiving Facility:	<u>, , , , , , , , , , , , , , , , , , , </u>	. Town:	State: _	
	iib. Receiving Facility:		_Town:	State: _	
I	c. Landfill	i. Cover	Estimated volume in cubic yards		
	Receiving Facility:		- Town:	State: _	
		□ ii. Disposa	Estimated volume in cubic yards		
	Receiving Facility:				
Ø	14. Removal of Drums, Tanks or Containers  a. Describe Quantity and Amount: <u>remova</u>	s: al of 2 15,000	gallon Underground Stora	ge Tanks	-
	b. Receiving Facility: Mass Tank Dispo	sal	_ <sub>Town:</sub> Chicopee	State:	MA
	c. Receiving Facility:		Town:	State:	
	15. Removal of Other Contaminated Media: a. Specify Type and Volume:				
				<u></u>	
	b. Receiving Facility:		Town;	State:	
	c. Receiving Facility:		Town:	, State:	
	16. Other Response Actions:				
_	Describe:				
	17. Use of Innovative Technologies:  Describe:				

# Massachusetts Department of Environmental Protection

Bureau of Waste Site Cleanup

### **BWSC106**

## RELEASE ABATEMENT MEASURE (RAM) TRANSMITTAL FORM

Release Tracking Number

Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

Į	1		

00616

### E. LSP SIGNATURE AND STAMP:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

- > if Section B of this form indicates that a Release Abatement Measure Plan is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;
- > if Section B of this form indicates that a Release Abatement Measure Status Report and/or Remedial Monitoring Report is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(les) with the identified provisions of all orders, permits, and approvals identified in this submittal;
- > if Section B of this form indicates that a Release Abatement Measure Completion Statement is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal:

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP#: 6524	
2. First Name: George	3. Last Name: Naslas
4. Telephone: (978) 532-1900	5. Ext.: 2279 6. FAX: (978) 977-0100
7. Signature: Yeur O. Dan	
8. Date: 156 (mm/dd/yyyy)	9. LSP Stamp:  9. LSP Stamp:  GEORGE D. NASLAS No. 6524
- (пшисо/уууу)	I TO I MOUND I (I)

# Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

# **BWSC106**

# RELEASE ABATEMENT MEASURE (RAM) TRANSMITTAL FORM

Release Tracking Number 00616

Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)	
F. PERSON UNDERTAKING RAM:	
	change of address c. change in the person undertaking response actions
2. Name of Organization: City of Springfield	
3. Contact First Name: David 4.	Last Name: Panagore
5. Street: 70 Tapley Street	6. Title: Dir., Planning & Economic Development
7. City/Town: Springfield	3. State: MA 9. ZIP Code: 01104-0000
10. Telephone: (413) 787-6020 11. Ext.:	
G. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON	UNDERTAKING RAM:
✓ 1. RP or PRP ✓ a. Owner ☐ b. Operator ☐ c. Ge	enerator
e. Other RP or PRP Specify:	
2. Fiduciary, Secured Lender or Municipality with Exempt Status	(as defined by M.G.L. c. 21E, s. 2)
3. Agency or Public Utility on a Right of Way (as defined by M.G.L	c. 21E, s. 5(j))
4. Any Other Person Undertaking RAM Specify Relationship:	
H. REQUIRED ATTACHMENT AND SUBMITTALS:	
Check here if any Remediation Waste, generated as a result of reused at the site following submission of the RAM Completion Simplementation Plan along with the appropriate transmittal form	Statement. You must submit a Phase IV Remedy
2. Check here if the Response Action(s) on which this opinion is and/or approval(s) issued by DEP or EPA. If the box is checked, provisions thereof.	s based, if any, are (were) subject to any order(s), permit(s) you MUST attach a statement identifying the applicable
3. Check here to certify that the Chief Municipal Officer and the I implementation of a Release Abatement Measure.	ocal Board of Health have been notified of the
4. Check here if any non-updatable information provided on this corrections to the DEP Regional Office.	s form is incorrect, e.g. Release Address/Location Aid. Send
5. If a RAM Compliance Fee is required for this RAM, check here DEP, P. O. Box 4062, Boston, MA 02211.	to certify that a RAM Compliance Fee was submitted to
6. Check here to certify that the LSP Opinion containing the mat	erial facts, data, and other information is attached.

# Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

I. CERTIFICATION OF PERSON UNDERTAKING RAM:

### **BWSC106**

RELEASE ABATEMENT MEASURE (RAM)
TRANSMITTAL FORM

Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

Release Tracking Number

00616

1. I, David Panagore , attest under the pains and penalties or perjury (i) that i have personally
attest under the pains and penalties or perjury (i) that i have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this
transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii)
material information contained in this submittal is, to the best of my knowledge and belief, fide, accurate and complete, and this that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or
entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to,
possible fines and imprisonment for willfully submitting false, inaccurate, or incomplete information.
Dir Bigning & Economic Dou
2. By: 3. Title: Dir., Planning & Economic Dev
Signature * acting on behalf of the City, not individually
1/11/
4. For: City of Springfield 5. Date:
Signature acting on benait of the City, not individually  4. For: City of Springfield  (Name of person or entity recorded in Section F)  Signature acting on benait of the City, not individually  (mm/dd/yyyy)
The second of th
6. Check here if the address of the person providing certification is different from address recorded in Section F.
7. Street:
7. Stieet.
8. City/Town: 9. State: 10. ZIP Code:
• • • • • • • • • • • • • • • • • • •
11, Telephone: 12, Ext.; 13, FAX;
11. Telephone.
YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER
BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT
SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU
SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.
Date Stamp (DEP USE ONLY:)

proposizizori lo-			
, constitution of the cons			
(p. Announcement)			
· · · · · · · · · · · · · · · · · · ·			
ennous entrette			
«пляничеровального»			
THEREOMETHIS (ONE)			
7/millowege-spent			
TAKEP PRINTER			
elphonometric. "-phiny			
Thickness about y			
Permission property (Permission Permission P			
Allekanopaus			
- Additionary			
. 1			