

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Fay Street Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region I

Subject: POLREP #5
Fay Street Site

Lowell, MA
Latitude: 42.6233265 Longitude: -71.3042681

To:
From: Elsbeth Hearn, OSC - Environmental Engineer
Date: 8/24/2015
Reporting Period: 6/11/15 - 8/21/15

1. Introduction

1.1 Background

Site Number:	01LH	Contract Number:	EP-W-08-061 TO #0062
D.O. Number:		Action Memo Date:	6/2/2015
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	7/17/2014	Start Date:	7/17/2014
Demob Date:		Completion Date:	
CERCLIS ID:	MAN000106163	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time-Critical Removal Action

1.1.2 Site Description

Refer to the Initial Polrep for additional information about Site Description.

The site is comprised of three residential parcels surrounding 86 Fay Street. These three lots consist of the Swede Village Condominium Complex (106 Lundburg Street), a single family residence (74 Fay Street), and an empty lot that is owned by the same owner of the single family residence (78 Fay Street). The site extends into the O'Donnell Park property to the north of 86 Fay Street.

1.1.2.1 Location

The Site is located at properties along Fay Street and Lundburg Street in Lowell, MA.

1.1.2.2 Description of Threat

Refer to the Initial Polrep for more detailed information on the description of threat.

From the 1800s through the early 1900s, areas of the site were reportedly utilized as a dumping ground for ash from the Middlesex North Agricultural Fairgrounds. Heavy metals such as lead and arsenic, and polycyclic-aromatic hydrocarbons (PAHs) are present in the ash and pose a threat to the local population.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See Polrep #1,2, 3, and 4 for information regarding previous response actions at this site.

EPA has conducted removal assessment events in July 2013, June 2014, July 2014, and an assessment of the O'Donnell Park field in April 2015 to determine the extent of contamination at the Site. The April 2015 sampling investigation revealed contamination extending into the school property at O'Donnell Park and an Action Memo was approved for further removal actions at this location.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

See Polrep #1,2, 3, and 4 for information regarding previous actions at this site.

ERRS remobilized to the Fay Street Site on July 13, 2015 to begin removal activities on a portion of the O'Donnell Park property. EPA is working with the START contractor's engineering service to finalize a grading sketch for the property. This sketch, along with a rain garden designed by the Rain Garden Team (EPA personnel from OEP and OSRR), will be implemented in the field to minimize erosion and flooding concerns on the property in addition to minimizing contaminated soil T&D costs.

2.1.2 Response Actions to Date

See Polrep #1,2, 3, and 4 for information regarding previous response actions at this site.

EPA has conducted removal assessment events in July 2013, June 2014, July 2014, and an assessment of the O'Donnell Park field in April 2015 to determine the extent of contamination at the Site. The April 2015 sampling investigation revealed contamination extending into the school property at O'Donnell Park & an Action Memo was approved for further removal actions at this location.

The following activities have been completed since the Polrep 4 was released:

- EPA ERRS and START contractors mobilized to the site to begin removal activities on a portion of the O'Donnell Park property
- Completion of a topographic survey of initial site conditions to aid in design of grading plan and rain garden
- Excavation and stockpiling of 3500 tons of contaminated soil from "triangular lot"
- Completion of draft grading plan for "triangular lot" from Weston engineers
- Design and placement of rain garden for inclusion on the grading plan
- Construction of 3-foot permeable cap on excavated area
- Collection of samples for extent of removal activities
- Implementation of dust suppression throughout removal activities
- Collection of dust monitoring results through VIPER telemetry system
- Preparation and approvals for transportation and disposal activities slated to start late August 2015

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Access agreements have been distributed to all impacted parties.

Enforcement activities are ongoing.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Bill of Lading #</i>	<i>Treatment</i>	<i>Disposal</i>
Contaminated Soil - Non Hazardous	Soil	162.23 (5 truck loads)	493543NH	None	Waste Management of New Hampshire (Turnkey) 90 Rochester Neck Road, Rochester, NH 03839
Contaminated Soil- Non Hazardous	Soil	2,677 tons	101721MA	Recycled for landfill daily cover	Route 31 Fitchburg Road Westminister, MA 01473
Wood debris	Wood	(1) 40 yard Roll off	N/A	Chip for industrial use	
Contaminated Waste	PPE & Site Waste	1.57 tons	104296MA	None	Route 31 Fitchburg Road Westminister, MA 01473

2.2 Planning Section

2.2.1 Anticipated Activities

- Transportation and disposal of contaminated soil
- Implementation of finalized grading and drainage sketch
- Implementation of rain garden from the Rain Garden Design Team's design
- Restoration activities will begin once removal activities are completed.

2.2.1.1 Planned Response Activities

See "Anticipated Activities."

2.2.1.2 Next Steps

See "Anticipated Activities"

2.2.2 Issues

Dust Control Issues:

EPA will continuously monitor for contaminated dust and employ dust control measures to ensure that no contamination leaves the site. Up to four (4) DataRAMs will be deployed surrounding excavation operations and the EPA VIPER system will be used to continuously monitor for dust. Dust monitoring operation concentrations were developed in conjunction with the Massachusetts Department of Public Health (MA DPH) and the Agency for Toxic Substances and Disease Registry (ATSDR).

2.3 Logistics Section

N/A

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

The Site Safety Officer is the on-site OSC.

Daily safety meetings are conducted before commencement of work.

2.5.2 Liaison Officer

On-Scene Coordinator is working with coordinating agencies as necessary.

2.5.3 Information Officer

Community outreach is on-going. The On-Scene Coordinator, in conjunction with the Community Involvement Coordinator, are available to answer any community concerns. The community has been made aware that the EPA Command Post is open for community members to have their questions answered by the EPA OSC and contact information for all agencies has been made widely available.

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

- Massachusetts Department of Environmental Protection (MassDEP)
- Massachusetts Department of Public Health (MA DPH)
- Agency for Toxic Substances and Disease Registry (ATSDR)
- The City of Lowell

4. Personnel On Site

Personnel on-Site:

One (1) EPA OSC
One (1) START
One to Five (1-5) ERRS

5. Definition of Terms

EPA = U.S. Environmental Protection Agency
MassDEP = Massachusetts Department of Environmental Protection
MA DPH = Massachusetts Department of Public Health

ATSDR = Agency for Toxic Substances and Disease Registry
START = Superfund Technical Assistance Response Team (EPA Contractor)
ERRS = Emergency & Rapid Response Services (EPA Contractor)
PAH = Polycyclic Aromatic COmpounds
bgs = Below ground surface

6. Additional sources of information

6.1 Internet location of additional information/report

www.epasoc.org/faystreet

6.2 Reporting Schedule

Polreps will be distributed every 1-2 months.

7. Situational Reference Materials

No information available at this time.