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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region I

Subject: **POLREP #6**
Final
Fay Street Site

Lowell, MA
Latitude: 42.6233265 Longitude: -71.3042681

To:
From: Elsbeth Hearn, OSC - Environmental Engineer
Date: 12/4/2015
Reporting Period: 8/22/2015 - 12/04/2015

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:	11/13/2015	**Completion Date:**	11/14/2015
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, posing 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 # 1-5 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 (a continuation of the Fay Street Site removal, but a new phase of the clean-up). 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), was 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 #1-5 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 5 was released:

- Mitigation of contamination at the site by EPA ERRS and START contractors;
- Installation of a 20'x40' rain garden;
- Transportation and disposal of 2,041 tons of contaminated soil, of which approximately 1,400 tons were recycled as daily cover for a landfill;
- Construction of 3-foot permeable cap on excavated area;
- Collection of samples for extent of removal activities and T&D activities;
- Implementation of dust suppression throughout removal activities;
- Collection of dust monitoring results through VIPER telemetry system;
- Restoration of site including trees (trees provided as in-kind service from the City of Lowell), hydro-seeding, rain garden plants, installation of fences, and drainage.
- Demobilization of ERRS contractor on 11/13/2015

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

Waste Stream	*Medium*	*Quantity*	*Bill of Lading/Manifest #*	*Treatment*	*Disposal*
Contaminated Soil (non Haz) (Aug 2015	Soil	1409.48 tons		Recycled for daily cover at landfill	101 Fitchburg Road, Westminster, MA 01473
Contaminated Soil (Haz) (Sept 2015)	Soil	499.53	Manifest #s 343570-343585,	None	Waste Management NH, 97 Rochester Neck Road, Gonic, NH 03839
Contaminated Soil (Haz) (Sept 2015)	Soil	133.42	Manifest #s 343601-343604	None	Waste Management NH, 97 Rochester Neck Road, Gonic, NH 03839

Waste Stream	*Medium*	*Quantity*	*Bill of Lading #*	*Treatment*	*Disposal*
					Waste Management

Contaminated Soil - Non Hazardous May 2015	Soil	162.23 (5 truck loads)	493543NH	None	of New Hampshire (Turnkey) 90 Rochester Neck Road, Rochester, NH 03839
Contaminated Soil- Non Hazardous (Oct 2014)	Soil	2,677 tons	101721MA	Recycled for landfill daily cover	Route 31 Fitchburg Road Westminster, 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 Westminster, MA 01473

2.2 Planning Section

2.2.1 Anticipated Activities

None. All removal activities are complete.

2.2.1.1 Planned Response Activities

None. All removal activities are complete.

2.2.1.2 Next Steps

None. All removal activities are complete.

2.2.2 Issues

Dust Control Issues:

EPA continuously monitored for contaminated dust and employed dust control measures to ensure that no contamination left the site. Up to four (4) DataRAMs were deployed surrounding excavation operations and the EPA VIPER system was 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 was on-going through the removal action. The On-Scene Coordinator, in conjunction with the Community Involvement Coordinator, were available to answer any community concerns. The community was aware that the EPA Command Post was open for community members to have their questions answered by the EPA OSC, and contact information for all agencies was made widely available.

3. Participating Entities

3.1 Unified Command

N/A

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

No additional Polreps will be distributed.

7. Situational Reference Materials

No information available at this time.