

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Walton & Lonsbury Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region I

Subject: POLREP #2
Walton & Lonsbury Site
01GM
Attleboro, MA
Latitude: 41.9577030 Longitude: -71.2970960

To: Curt Spalding, Regional Administrator, EPA Region 1 - New England
Deborah Szaro, US EPA Region 1
Mayor Kevin J. Dumas, City of Attleboro
James Owens, OSRR Director, EPA R1
Nancy Barmakian, OSRR Deputy Director, US EPA - R1
Mille Garcia-Serrano, Deputy Director SE Region, MassDEP
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From: Elise Jakabhazy, Lead On-Scene Coordinator
Elsbeth Hearn, Assisting On-Scene Coordinator

Date: 2/28/2011

Reporting Period:

1. Introduction

1.1 Background

Site Number:	01GM	Contract Number:	EP-W-08-062 Task Order 20
D.O. Number:		Action Memo Date:	9/2/2010
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	10/19/2010	Start Date:	10/19/2010
Demob Date:		Completion Date:	
CERCLIS ID:	MAD001197755	RCRIS ID:	
ERNS No.:		State Notification:	3/11/09
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

CERCLA Incident Category: Inactive Production Facility - Chromium plating facility

1.1.2 Site Description

See Polrep 1.

1.1.2.1 Location

See Polrep 1

1.1.2.2 Description of Threat

See Polrep 1.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See Polrep 1.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

The U.S. Environmental Protection Agency (EPA) and their contractors mobilized to 78 North Avenue, Attleboro, Massachusetts in October 2010 to prepare the Site for the removal of hazardous materials. EPA's contractors include:

- the Emergency & Rapid Response Services (ERRS) contractors - Guardian Environmental Services (GES), and their subcontractors from Shaw Group; and
- the Superfund Technical Assessment and Response Team (START) contractors - Weston Solutions.

Refer to Polrep 1 for initial Site preparation and set-up activities.

ERRS Activities since the last Polrep include the demolition of all existing structures on the Walton and Lonsbury property; the break-down of all building demolition debris into 2-ft sections, with aid from a hydraulic metal sheer; the removal of chrome plating tanks from the ground; the segregation of debris into hazardous and non-hazardous piles; and the transportation and disposal (T&D) of all contaminated debris via rail car by the Environmental Quality Company (EQ) to the Michigan Disposal Waste Treatment Plant (MDWTP).

START activities during demolition of the building included: deploying perimeter particulate monitors at 7 locations on- and off-Site; deploying 4 off-Site perimeter air monitoring pumps that were sent to a laboratory and analyzed for hexavalent chromium, total chromium and lead; conducting site visits and conference calls with engineers for future residential removal activities; conducting a topographical survey of the Site for use in the engineering design work; using the X-Ray Florescence unit to analyze soil samples, analyze building material in order to estimate the amount of Resource Conservation and Recovery Act (RCRA) F-listed contaminated material that will need to be disposed of in accordance with applicable state and federal regulations; and documenting all Site activities.

Concurrent with removal action activities, EPA and START have conducted an expanded Site Investigation to determine the extent of contamination required under this removal action.

2.1.2 Response Actions to Date

See above.

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

On-Scene Coordinator continues to coordinate work with an EPA Enforcement Coordinator and legal team.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
RQ, NA3077, Hazardous waste, solid, n.o.s., (Cyanide, Chromium), 9, PGIII, (D007, F008), ERG # 171	Demolition Debris	513.5 ton, 10 Railcars	No. 008276311 - 088276340	None	EQ Northeast, Michigan Disposal Waste Treatment Plant (MDWTP) 49350 N I-94 Service Drive Belleville, MI 48111 EPA ID #: MID 000 724 831
RQ, NA3077, Hazardous waste, solid, n.o.s., (Cyanide, Chromium), 9, PGIII, (D007, F008), ERG # 171	Demolition Debris	255.98 ton, 4 Railcars	No. 008231747 - 008231758	None	EQ Northeast, MDWTP 49350 N I-94 Service Drive Belleville, MI 48111 EPA ID #: MID 000 724 831
RQ, NA3077, Hazardous waste, solid, n.o.s., (Cyanide, Chromium), 9, PGIII, (D007, D008), ERG#171	Demolition Debris	2 roll-offs, 15 ton each.	No. 008233627, 008233628	None	EQ Northeast, MDWTP 49350 N I-94 Service Drive Belleville, MI 48111 EPA ID #: MID 000 724 831
Metal Recycling (Credit to project)	Plate and Structural Prepared Steel	Roll-off, 32,360 lb	N/A	None	Allied Recycling Center, Inc. 1901 Main Street Walpole, MA 02081 Allied Recycling

Metal Recycling (Credit to project)	#1 HMS Prepared Steel	Roll-off, 16,860 lb	N/A	None	Center, Inc. 1901 Main Street Walpole, MA 02081
MA State Regulated Oil (Removal was state-funded by MassDEP)	Waste Oil	5 containers, 1x85, 4x55 Drum	008049042 JJK	None	Northland Environmental, LLC 275 Allens Avenue Providence, RI 02905

2.2 Planning Section

2.2.1 Anticipated Activities

- Construct road composed of swamp mats across contaminated wetlands behind 78 North Ave;
- Excavate contaminated wetlands behind facility;
- Excavate contaminated soil beneath building;
- Develop engineering design / plan for watershed management associated with Bliss Brook and residential removal activities (U.S. Army Corps of Engineers and Weston Solutions Specialized Labor);
- Remove vegetation in the residential area of contamination; and
- Excavate contaminated soils at affected residential properties.

2.2.1.1 Planned Response Activities

See Above.

2.2.1.2 Next Steps

- Excavate and dispose of contaminated soils behind (and under) the former W&L facility;
- Excavate and dispose of contaminated soils in residential areas;
- Provide flood-plain storage capacity to off-set any loss of capacity in the vicinity of the Bliss Brook excavation;
- Install and maintain erosion and sedimentation controls, as necessary; and
- Restore all properties in accordance with local, state and federal requirements.

2.2.2 Issues

Engineering designs for excavation / drainage / capping the impacted residential neighborhood, as well as plans for floodplain and watershed restoration must be completed prior to the excavation of the wetlands behind residential properties and adjacent to Bliss Brook. This will be an engineering challenge due to complex subsurface and watershed issues in the area. Relocation services may be required for the most impacted residents.

2.3 Logistics Section

Personnel:

- EPA will maintain a Site presence with 2 Federal On-Scene Coordinators (one lead OSC, and one assisting).
- EPA will occasionally use U.S. Coast Guard Atlantic Strike Team and OSCs from Region 2 from time to time to supplement oversight activities.
- ERRS personnel are expected to remain constant throughout the next few operational periods (1 Removal Manager, 1 Field Cost Accountant, 2 Equipment Operators, 1 truck driver, 1 laborer and 1 chemical technician).
- START personnel level of effort will remain the same.

Equipment & Supplies:

- Swamp mats have arrived on Site and will be arranged across the wetland on the south end of the property prior to excavation.
- One swamp dumptruck has arrived and will be used during excavation preparation and excavation.
- Corn pellets will be ordered to assist in de-watering soils during the excavation.
- Zero-Valent Iron (ZVI) will be ordered to add to backfill to reduce the hexavalent chromium in the groundwater table to a less toxic and less soluble/mobile trivalent chromium (also to create/enhance reducing conditions in groundwater to enhance natural reductive dechlorination of chlorinated solvents).
- An additional ERRS-owned excavator will be mobilized and billed only on days when in use.
- A wastewater treatment system, two frac tanks, and a mud tank have been mobilized to the Site and will begin treating water once the excavation begins.

2.4 Finance Section

2.4.1 Narrative

January 2011 - February 2011

Demolition of the building began on January 11, 2011, and significant funds have been expended disposing of this highly contaminated debris. Air samples were taken and analyzed during the demolition of the building to monitor the dust. These were analyzed daily and sent to an off-Site laboratory.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$4,200,000.00	\$945,323.28	\$3,254,676.72	77.49%
START	\$600,000.00	\$172,243.62	\$427,756.38	71.29%
REAC	\$120,000.00	\$0.00	\$120,000.00	100.00%
CLP	\$35,000.00	\$0.00	\$35,000.00	100.00%
Extramural Contingency	\$991,000.00	\$0.00	\$991,000.00	100.00%
Intramural Costs				
Total Site Costs	\$5,946,000.00	\$1,117,566.90	\$4,828,433.10	81.20%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

Safety Officer: Elise Jakabhazy, US EPA

See POLREP 1

All-hands health and safety meetings are held daily prior to the commencement of work.

ERRS also conducts a hazard safety analysis with all employees during each new phase of construction.

2.6 Liaison Officer

EPA OSCs serve as liaison officers.

Liaison Officer (LNO) = Elise Jakabhazy

Assistant Liaison Officer (ALNO) = Elsbeth Hearn

See Polrep 1 for information on previous liaison officer activities.

2.7 Information Officer

2.7.1 Public Information Officer

EPA personnel continue to provide face-to-face meetings with the residents to keep them informed of activities on-Site.

See Polrep 1 for more information.

3. Participating Entities

3.1 Unified Command

United States Environmental Protection Agency (EPA)

Massachusetts Department of Environmental Protection (MassDEP) *

** MassDEP is listed as a Cooperating or Assisting Agency, since they are not providing funds for the Removal Action. They are, however, listed as part of Unified Command while on-Site. They are not directing contractors work, and they do not sign the Incident Action Plan.*

3.2 Cooperating Agencies

- Massachusetts Department of Environmental Protection (MassDEP)
- Army Corps of Engineers (USACE)

- Massachusetts Department of Public Health (MA DPH)
- Agency for Toxic Substances and Disease Registry (ATSDR)

4. Personnel On Site

Two (2) EPA OSCs (1 lead OSC, and 1 assisting OSC)

One (1) START Personnel - for Removal Action

Four - Thirteen (4-13) ERRS Personnel [GES" Guardian Environmental Services (with Shaw Group, subcontractors to GES, and various other subcontractors including Moran Environmental)]

One (1) START Personnel - for extended Site Investigation (To organize data from December 2010 PA/SI and assist in the topographical survey).

5. Definition of Terms

EPA = U.S. Environmental Protection Agency

MassDEP = Massachusetts Department of Environmental Protection

START = Superfund Technical Assistance Response Team (EPA Contractor)

ERRS = Emergency & Rapid Response Services (EPA Contractor)

SVOCs = semi-volatile organic compounds

VOCs = volatile organic compounds

6. Additional sources of information

6.1 Internet location of additional information/report

Go to http://www.epaosc.org/site/site_profile.aspx?site_id=6355 for additional documentation and photographs.

More information about the Michigan Disposal Waste Treatment Plant can be found at this web site:

http://www.eqonline.com/locations/michigan_disposal_waste_treatment_plant.asp

6.2 Reporting Schedule

The next POLREP will be submitted at the end of April (approximately April 29th)

7. Situational Reference Materials

See documents section of the web site to find a copy of the Preliminary Assessment / Site Investigation, the the Site Closure Memo and the Action Memo.