U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Martin Street Lab Pack Response - Removal Polrep
Final Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region I

Subject: **POLREP #2**
Final
Martin Street Lab Pack Response

Maynard, MA
Latitude: 42.4308320 Longitude: -71.4629070

To:
From: Elsbeth Hearn, On-Scene Coordinator
Date: 9/25/2012
Reporting Period: 08/31/2012 - 09/14/2012

1. Introduction

1.1 Background

Site Number:	01KR	**Contract Number:**	EP-W-08-62
D.O. Number:	0031	**Action Memo Date:**	8/30/2012
Response Authority:	CERCLA	**Response Type:**	Emergency
Response Lead:	EPA	**Incident Category:**	Removal Action
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	8/27/2012	**Start Date:**	8/27/2012
Demob Date:	9/12/2012	**Completion Date:**	9/12/2012
CERCLIS ID:	MAN000106131	**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

The incident is an emergency response for which the Massachusetts Department of Fire Services and the Maynard Fire Department requested EPA assistance at the residence.

1.1.2 Site Description

The Site is a single family residence located in a residential neighborhood adjacent to the Maynard town center and the Assabet River.

1.1.2.1 Location

9 Martin Street
Maynard, MA 01754

1.1.2.2 Description of Threat

See Initial Polrep for a complete description of threat.

Multiple containers of hazardous substances were located in the basement and the garage. Many of the containers were unlabeled or stored adjacent to incompatible chemicals. Broken windows, support beams, and doors allow precipitation to enter the garage, and no temperature controls are present. Many of the containers in both the garage and basement are in poor condition with some evidence of leaking. This increases the likelihood of a future release that would potentially cause a fire or chemical reaction that may affect the health of residents in the neighborhood.

Elemental mercury was present in open containers producing vapors above residential values in the living space of the residence.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The preliminary assessment on the evening of 27 August 2012 suggested that upwards of one hundred different chemicals were present on the property including caustics, corrosives, water and air reactives, metals, unknown liquids and solids, flammables, and poisons. There was no path to access these chemicals except through an outside window due to the large amount of personal belongings stored in the

residence.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

See Initial Polrep for full narrative of response activities.

Removal activities began 28 Aug 2012 and transportation and disposal (T&D) activities began on 7 Sept 2012. All personnel and equipment were demobilized from the site by 12 Sept 2012. Prior to disposal, all chemicals that had been removed from the residence were stored in a temporary storage container provided by the EPA on the property. A remote temperature monitoring device was placed in the storage container to monitor temperature prior to disposal to ensure no adverse chemical reacations occurred. This was monitored by both the Maynard Fire Department and the resident.

A general summary of the hazards moved to the storage container include: mercury and mercury waste, toluene, vanadium pentoxide, lithium metal in oil, ammonium nitrate, sodium cyanide, numerous acids (hydrochloric, phosphoric,carbonic, sulfuric, oxalic, boric, citric, tartaric), bases, oxidizers, solvents, flammables, and unknown solids and liquids.

Disposal of the flammable and reactive chemicals began on 7 September 2012 and the remaining containers were lab-packed and labeled for disposal on 12 September 2012.

2.1.2 Response Actions to Date

A summary of response actions to date:

- A safe access to remove hazardous materials in the basement and garage was made on 28 & 29 August 2012.
- All hazardous materials from both the garage and basement were moved to a temporary storage container located on the property on 29 & 30 August 2012.
- A mercury clean-up was performed in the basement on 30 & 31 August 2012.
- Personal belongings that had high readings of mercury were removed from the residence and placed in the sun to allow mercury vapors trapped in the material to vaporize. A tarp was placed over the belongings and allowed to heat up in the sun. These were then monitored with the Lumex. All personal belongings that still had mercury readings by COB on 31 August 2012 were left to air out for the weekend.
- The residence was cleared for mercury vapors on 31 August 2012 following an 8-hour clearance monitoring of the house.
- Flammable and reactive materials were removed from the property on 7 September 2012.
- The remaining lab-packs and labeled containers for T&D were removed from the property on 11 September 2012.
- The personal belongings that had previously been monitored to indicate high levels of mercury vapors and had been allowed to vaporize in the heat were once again monitored by the Lumex and cleared for return to the house and garage.
- All EPA personnel and equipment demobilized from the Site on 12 September 2012.

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

A signed request for access was obtained from the homeowner. Verbal access was requested and obtained from the homeowner's son who is the potential owner of the hazardous materials. Prior to removing any of the containers, a signed access agreement was obtained from the homeowner's son. EPA's enforcement coordinator and legal counsel have been involved in the response.

2.1.4 Progress Metrics

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Disposal*
RQ UN1789, WASTE Hydrochloric acid 8, PGII (RQ D002)	Liquid	0020 G		
RQ UN2796, WASTE Sulfuric acid 8, PGII (RQ D002)	Liquid	0060 G		
RQ UN2809, WASTE Mercury 8, PGIII (RQ D009)	Liquid & Solid	0600 P		
RQ UN3087 WASTE Oxidizing solid, toxic, n.o.s. (lead nitrate) 5.1 (6.1), PGII (RQ D007, D008)	Solid	0045 P		
UN2920, WASTE Corrosive liquids, flammable, n.o.s. (glacial acetic acid) 8 (3) PGII	Liquid	0030 P		ENPRO Services of

UN3264, WASTE Corrosive liquid, acidic, inorganic, n.o.s. (phosphoric acid) 8, PGII	Liquid	0030 P	010065771 JJK	Vermont, Inc. 54 Avenue D Williston, VT 05495
UN3266, WASTE Corrosive liquid, basic, inorganic, n.o.s. (ammonium hydroxide) 8, PG11	Liquid	0060 P		
WASTE iodine 8 (6.1) UN 3495 PGIII	Solid	0018 P		
UN2902, WASTE Pesticides, liquid, toxic, n.o.s. (2,4-D, Carbaryl) 6.1 PGII	Solid/Liquid	0160 P		
RQ NA2212, Asbestos 9, PGIII	Solid	0300 P		
UN3288, WASTE Toxic solid, inorganic, n.o.s. (lead, cadmium) 6.1 PGII	Solid	0160 P		
UN1759, Corrosive solids, n.o.s. (boric acid)	Solid	0150 P		
Non-RCRA, non-DOT Regulated Material (potassium tartrate)		0150 P		
RQ UN1689, WASTE Sodium cyanide, solid 6.1 PGI SP-13192 (RQ P106)	Solid	0100 P	010065766JJK	ENPRO Services of Vermont, Inc. 54 Avenue D Williston, VT 05495
Waste Lithium, 4.3, UN1415, PGI DOT ERG #138	Solid (in oil)	0005 P		
Waste carbon disulfide, 3, (6.1), UN1131, PGI DOT ERG #131	Liquid	0001 G		
Waste Smokeless powder for small arms, 4.1, NA 3178, PGI DOT ERG#133	Solid	0001 P		
RQ, Waste Flammable liquid, toxic, n.o.s. (benzene), 3, (6.1), UN1992, PGII (RQ D001), DOT ERG # 131	Liquid	0305 P		
RQ, Waste Flammable liquid toxic, n.o.s. (benzene), 3, 6.1, UN1992, PGII (RQ D001), DOT ERG #131	Liquid	0295 P		
Waste Vanadium pentoxide, 6.1, UN2862, PGIII, DOT ERG #151		0011 P		
Waste Toxic Liquid, organic n.o.s. (1,1,1-Trichloroethane), 6.1, UN2810, PGII DOT ERG # 153	Liquid	0062 P		

2.2 Planning Section

2.2.1 Anticipated Activities

There are no further anticipated removal activities.

2.2.1.1 Planned Response Activities

All containers have been transported off-site. Final documentation of disposal is anticipated within a few weeks.

2.2.1.2 Next Steps

None.

2.2.2 Issues

None.

2.3 Logistics Section

A logistics section was not established for this response.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

The OSC acted as Safety Officer for this response.

2.5.2 Liaison Officer

The OSC acted as Liaison Officer for this response.

2.5.3 Information Officer

A Community Involvement Coordinator (CIC) has been assigned to the Site. The CIC visited the Site and produced a community fact sheet. Local news media spoke with the CIC.

3. Participating Entities

3.1 Unified Command

U.S. EPA
Maynard Fire Department
Massachusetts Department of Fire Services
Massachusetts Regional Hazmat
Maynard Department of Health

3.2 Cooperating Agencies

ATSDR
Maynard Department of Public Works
Maynard Police Department

4. Personnel On Site

- EPA On-Scene Coordinator
- EPA's START contractor, 1 person
- EPA's ERRS Response Manager & 2 subcontractors

5. Definition of Terms

OSC - On-Scene Coordinator
ERRS - Emergency and Rapid Response Services
PA/SI - Preliminary Assessment/Site Investigation
START - Superfund Technical Assistance Response Team
ATSDR - Agency for Toxic Substances and Disease Registry
POLREP - Pollution Report/Situation Report
CERCLA - Comprehensive Environmental Response Compensation and Liability Act
ng/m3 - Nanograms per meter cubed
T&D - Transportation & Disposal

6. Additional sources of information

6.1 Internet location of additional information/report

www.epaosc.org/martinstreetlabpack

6.2 Reporting Schedule

This is the final polrep. No more reports anticipated.

7. Situational Reference Materials

None.