

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
New Lyme Metals - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #16
Continuation of Removal Action
New Lyme Metals
B5VC
New Lyme, OH
Latitude: 41.6050900 Longitude: -80.7646600

To:
From: JJ Justice, On-Scene Coordinator
Date: 10/11/2011
Reporting Period: October 3, 2011 to October 8, 2011

1. Introduction

1.1 Background

Site Number:	B5VC	Contract Number:	EP-S5-09-05
D.O. Number:	0027	Action Memo Date:	5/20/2010
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	12/9/2009	Start Date:	7/12/2010
Demob Date:		Completion Date:	
CERCLIS ID:	OHN000510416	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

CERCLA Incident Category: Inactive Recycling Facility

1.1.2 Site Description

1.1.2.1 Location

See Initial Polrep.

1.1.2.2 Description of Threat

The presence of heavy metals, PCBs, asbestos and numerous drums and compressed gas cylinders presents potential threats to human health and the environment by exposures to impacted air, soil and water at and around the Site.

See Initial Polrep for additional information.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Primary contaminants of concern identified during the Site Assessment included: heavy metals (antimony, arsenic, cadmium, lead, mercury), asbestos (chrysotile) and PCBs (Aroclor 1242 and 1254).

See Initial Polrep for additional information.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

The Time-Critical Removal Action at the New Lyme Metals Site is addressing the presence of heavy metals and PCBs in the soils by excavating and disposing of the impacted material off site. All asbestos containing materials, drums and compressed gas cylinders will also be removed and disposed of at an off site facility. Air monitoring and sampling is being conducted for the protection of the workers and the public. In addition, well samples have been collected to determine if any of the contaminants on Site have impacted the ground water.

2.1.2 Response Actions to Date

During the period of October 3, 2011 to October 8, 2011, U.S.EPA along with START and ERRS contractors continued removal activities at the Site, these activities included:

- Pumped out approximately 1,500 gallons of leaded gasoline/water mixture and rinsate from UST in grid J-3
- Removed UST (9 feet long and 4 foot in diameter) and rendered it unusable
- Began excavating and stockpiling the surrounding contaminated soils for disposal

- Continued backfilling and grading of excavated areas
- Received 208 loads of backfill for restoration
- Continued managing water by pumping out clean excavation to allow for site restoration
- Continued decontaminating and demobilizing equipment
- Installed water treatment systems at two residences
- Collected 16 confirmation soil samples

Analytical results of the liquids in the UST indicated the contents exceeded regulatory limits for flashpoint (D001), TCLP Lead (D008), TCLP Benzene (D018) and TCLP 1,2-Dichloroethane (D028). A number of other constituents were also identified in the liquids of the tank including barium and o-Cresol. The tank was in extremely poor condition and leaking into the surrounding soils. Air monitoring with a MultiRAE Plus detected total volatile organic compound concentrations in the open air downwind of the tank as high as 50 ppm. Although the use of the tank and the source of all the liquids in the tank are unknown, the Site was operated as a scrap metal salvage yard and the tank may have been used in connection with the scrap metal salvage yard business to hold liquids from machinery and other materials being scrapped including waste fuels, oils, lubricants and solvents. The liquids in the tank were transported and disposed of based on the analytical results as waste flammable liquids toxic for lead, benzene and 1,2-dichloroethane.

Wet conditions and heavy rains continued to hinder restoration activities.

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

U.S. EPA continues its efforts in identifying viable potentially responsible parties as well as identifying and locating additional locations where the operations took place. Currently, U.S. EPA has identified two possible locations where activities, similar to those at New Lyme Metals, may have taken place.

2.1.4 Progress Metrics

This Reporting Period:

Waste Stream	Quantity (gallons)	Date	Manifest #	Destination
Waste Flammable Liquids, toxic	1500	10/8/2011	7600870	Chemtron Corporation, 35850 Schneider Court, Avon, OH 44011

To Date:

526.72 tons of Non-Hazardous Debris has been disposed of at American Landfill in Waynesburg, Ohio

6,183.33 tons of Non-Hazardous Soils has been disposed of at American Landfill in Waynesburg, Ohio (includes 620 tons of treated TCLP soils)

32.62 tons of Non-Friable Asbestos containing material has been disposed of at American Landfill, in Waynesburg, Ohio

1,800.03 tons of RQ, Polychlorinated Biphenyls, Solid Mixture, UN3432 material has been disposed of at CWM Chemical Services in Model City, New York (includes 570 tons of treated TCLP soils)

1,500 gallons of RQ, Waste Flammable Liquids, UN1992, toxic (D001, D008, D018, D028) disposed of at Chemtron Corporation in Avon, Ohio

16 55-gallon drums of Oily Water Mixture disposed of at EQ Ohio in Canton, Ohio

1 35-gallon drum of RQ, Chromic Acid Solution, UN1755 (D002, D007) disposed of at EQ Ohio in Canton, Ohio

2 Compressed Gas Cylinders reclaimed by Air Gas in Cleveland, Ohio

2 Compressed Gas Cylinder reclaimed by Butler Gas Products in New Brighton, Pennsylvania

144,000 gallons of contact storm water run-off has been treated for PCBs and heavy metals and discharged

39.43 tons of scrap/used tires recycled at Liberty Tire Recycling in Minerva, Ohio

12.27 tons of scrap iron and metal recycled at Ashtabula Iron & Metal in Ashtabula, Ohio

9.5 cubic yards of woody debris chipped and reused as mulch during restoration on Site

25 cubic yards of stone and rock were transported off site for reuse in landscaping

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

Removal action will include the following:

- Complete removal and disposal of UST and impacted soils
- Closure of well located on the Site

2.2.1.2 Next Steps

- Arrange for disposal of contents of UST and surrounding soils

2.2.2 Issues

None at this time.

2.3 Logistics Section

Not applicable.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

The ERRS contractor prepared a health and safety plan (HASP) that was reviewed by Superfund Technical Assessment and Response Team (START) and for the Removal Action. Prior to conducting sampling activities, the HASP was reviewed and signed by on-site personnel.

Daily Health and Safety meetings are held prior to the start of each days activities. Primary topics include traffice safety, proper PPE, identification of work zones and biological hazards.

2.6 Liaison Officer

Nothing to report.

2.7 Information Officer

Nothing to report.

3. Participating Entities

3.1 Unified Command

Not applicable.

3.2 Cooperating Agencies

New Lyme Township

OEPA

ATSDR

4. Personnel On Site

During this time period the following personnel were on Site:

1 EPA OSC

1 START contractor

8 ERRS contractors

5. Definition of Terms

ATSDR	Agency for Toxic Substances and Disease Registry
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
ERRS	Emergency and Rapid Response Services
HASP	Health and Safety Plan
mg/L	milligrams per liter
OEPA	Ohio Environmental Protection Agency
OSC	On-Scene Coordinator
OSHA	Occupational Safety and Health Administration
PELs	Permissible Exposure Limits
POLREP	Pollution Report
ppm	parts per million
PRP	Potentially Responsible Party
PCB	Polychlorinated Biphenyls
RCRA	Resource Conservation and Recovery Act
START	Superfund Technical Assessment and Response Team
TCLP	Toxicity Characteristic Leachate Procedures
TSCA	Toxic Substances Control Act
ug/L	micrograms per liter
uR/hr	microrentgens per hour
U.S. EPA	United States Environmental Protection Agency
UST	Underground Storage Tank

6. Additional sources of information

6.1 Internet location of additional information/report

Additional information can be found at www.epaosc.org/newlymemetals.

6.2 Reporting Schedule

POLREPs will be issued weekly.

7. Situational Reference Materials

Not applicable.