

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #7  
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:** 7/25/2011  
**Reporting Period:** July 18, 2011 to July 22, 2011

**1. Introduction**

**1.1 Background**

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

**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 July 18 to July 22, 2011, U.S.EPA along with START and ERRS contractors continued removal activities at the Site, these activities included:

- Completed removing debris, tires and vegetation from grids E' to A to prepare for removal of impacted soils

- Completed excavation of 14 Grids of non-hazardous soils containing elevated concentrations of heavy metals (A-9, A-10, A-11, A'-9, A'-10, B'-6, B'-7, B'-8, B'-9, C'-6, D'-6, D'-7, D'-8, D'-9)
- Completed excavation of TCLP grids C'-7 and C'-8
- Completed treatment of TCLP soils grids H-7, C'-7 and C'-8 with Free Flow 100 and collected samples for TCLP analysis
- Transported 23 loads of Non-Hazardous Soil to American Landfill for disposal
- Continued consolidating asbestos panels, capacitors and mercury rectifiers
- Continued dust suppression efforts at load out area and excavation areas
- Continued application of Rusmar AC-645 to suppress PCB vapors
- Continued site survey's with Lumex Mercury Vapor Analyzer and Ludlum Model 192 gamma radiation detector
- Continued air sampling for arsenic, cadmium, lead, PCBs and asbestos at site perimeter
- Collected activity specific air samples for analysis of PCBs and asbestos
- Collected 16 confirmation soil samples from excavated grids for PCB analysis
- Collected 33 confirmation soil samples from excavated grids for metals analysis

Air sampling results continue to show detectable concentrations of PCBs at the Site perimeter but well below the OSHA PEL, however the concentrations are above the Regional Screening Level of 4.3 ng/m<sup>3</sup>. ATSDR has reviewed the data and believed that the concentrations are acceptable given the expected short duration of the removal action and the fact that the 4.3 ng/m<sup>3</sup> is based on a 70 year continuous exposure. U.S. EPA will work with ATSDR to adjust the perimeter PCB Action Level.

Asbestos (chrysotile and amosite) were detected in perimeter air samples on two different occasions. The results were forwarded to ATSDR. The concentration were determined not be a health concern.

Well sampling results did identify elevated levels of arsenic and lead in the ground water. Although the presence of these metals cannot be conclusively attributed to conditions at the Site, ATSDR recommended the installation of water filtration systems on the affected wells. Appropriate water filtration systems will be installed and the wells will be resampled to confirm the effectiveness of the filtration systems.

Screening with the Ludlum 192 identified four areas in previously excavated areas with dose rates of 3 to 4 times background, ranging from 15 to 20 uR/hr. These areas were scanned with a SAM 940 to collect a spectrum for radioisotope identification. The spectrum identified Potassium40 in all four areas. This is a naturally occurring radioisotope and is common in agricultural areas. The spectrum were forwarded to U.S. EPA Region 5 Health Physicist for confirmation.

Severe weather and heat limited work during the week.

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

U.S. EPA continues its efforts in determining 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 (tons)	Date	Manifest #	Destination
Non-Hazardous Soil	233.04	7/21/2011	606970-606972, 607045-607052	American Landfill, 7916 Chapel St., Waynesburg, OH 44688
Non-Hazardous Soil	241.9	7/22/2011	607053-607063	American Landfill, 7916 Chapel St., Waynesburg, OH 44688

#### To Date:

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

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

#### 2.2.1.1 Planned Response Activities

Removal action will include the following:

- Removal of non-hazardous debris (recycled when possible) in order to access contaminated area
- Excavation and disposal of TSCA wastes
- Excavation, treatment and disposal of TCLP cadmium and lead wastes
- Excavation of soils exhibiting concentrations of heavy metals, asbestos and PCBs above OEPA's residential direct contact criterion
- Consolidation and disposal of asbestos panels, PCB containing capacitors and mercury rectifiers
- Consolidation, characterization and disposal of drums and compressed gas cylinders
- Backfilling, grading and restoration of excavated areas

#### 2.2.1.2 Next Steps

- Continue removal activities
- Continue perimeter air sampling for asbestos, PCBs and heavy metals
- Review results of air and ground water samples
- Complete assessment of creek and property immediately to the west of the Site
- Conduct confirmation sampling
- Install water filtrations systems on wells

#### 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 traffic 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
uR/hr	microrentgens per hour
U.S. EPA	United States Environmental Protection Agency

## 6. Additional sources of information

### 6.1 Internet location of additional information/report

Additional information can be found at [www.epaosc.org/newlymemetals](http://www.epaosc.org/newlymemetals).

### 6.2 Reporting Schedule

POLREPs will be issued weekly.

**7. Situational Reference Materials**

Not applicable.