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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: **POLREP #19**
Progress
New Lyme Metals
B5VC
New Lyme, OH
Latitude: 41.6050900 Longitude: -80.7646600

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From: JJ Justice, On-Scene Coordinator
Date: 9/8/2014
Reporting Period: March 2014 to July 2014

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:	10/27/2011	**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 removal of impacted materials as part of the New Lyme Metals Site Time-Critical Removal Action was completed in 2011. Removal activities addressed 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 was completed for the protection of the workers and the public during work.

The only remaining activity is to ensure the effectiveness of the treatment systems installed on two private wells adjacent to the Site that samples indicated were impacted by lead and arsenic.

2.1.2 Response Actions to Date

During the period of March 2012 to November 2012, U.S.EPA and START contractors collected 4 rounds of samples quarterly from the two wells where treatment systems were installed. Analytical results indicated intermittent exceedances of MCLs for both arsenic and lead in the in total and dissolved phases.

Based on these results and consultation with ATSDR, the system was inspected and filters changed to determine if maintenance was an issue and an additional three quarters of sampling was scheduled.

During the period of March 2013 to August 2013, U.S. EPA and START contractors collected 3 rounds of quarterly sampling. Analytical results indicated exceedances of lead in the total and dissolved phases in both wells and arsenic in the total phase in one of the wells. Sample results indicated that elevated readings were consistent even with fresh filter changes as well as between first draw and 30 minutes of flushing prior to sample collection. An R/O system was installed on one well that addressed both the arsenic and lead issues. Discussions with the company that installed the system on the other well indicated that decreases in the well production was impacting the ability for the treatment system to function properly, as well as frequent losses of power to the softener unit. The occupant of the home is using bottled water for drinking.

In October of 2013, the treatment system company was contacted for suggestions on modifications to the system to address the lead issues. Options were presented in November 2013 and the company returned to both wells to collect samples to design the system. In February of 2014, pricing and a time line for installation was requested. Due to difficulties in contacting the two property owners installation was delayed. In July 2014, the treatment system company was contacted again to schedule installation of upgrades. In August of 2014, changes to the system were suggested and an updated quote was requested. Once the system in finalized and approved, installation of the treatment system modifications will begin once appointments can be arranged with the two property owners.

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

2.1.4.1 Waste Disposal

To Date:

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

6,811.09 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

12.73 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 rocks were transported off site for reuse in landscaping

500 tons of ODOT 411 stone was reused on site

2.1.4.2 Region 5 Priorities

R5 Priorities Summary		
This is an Integrated River Assessment. The numbers should overlap.	Miles of river systems cleaned and/or restored	0.034
	Cubic yards of contaminated sediments removed and/or capped	90
	Gallons of oil/water recovered	144,000
	Acres of soil/sediment cleaned up in floodplains and riverbanks	0.5
Stand Alone Assessment	Acres Protected	1.5
	Number of contaminated residential yards cleaned up	1
	Human Health Exposures Avoided	151
	Number of workers on site	10

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

N/A

2.2.1.2 Next Steps

- Install modifications to treatment systems on two wells
- Sampling to ensure treatment systems are functioning properly

2.2.2 Issues

None at this time.

2.3 Logistics Section

Not applicable.

2.4 Finance Section

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	$1,660,000.00	$1,654,000.00	$6,000.00	0.36%
TAT/START	$190,000.00	$179,000.00	$11,000.00	5.79%
Intramural Costs				
Total Site Costs	$1,850,000.00	$1,833,000.00	$17,000.00	0.92%

* 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
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
4 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	microroentgens 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.