U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Multnomah Metals - Removal Polrep
Initial Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region X

Subject: **POLREP #1**
Initial Removal POLREP
Multnomah Metals
10MD
Portland, OR
Latitude: 45.4823215 Longitude: -122.6760474

To:
From: Daniel Heister, On-Scene Coordinator
Date: 9/7/2013
Reporting Period: 03SEP13 to 07SEP13

1. Introduction

1.1 Background

Site Number:	10MD	**Contract Number:**	
D.O. Number:		**Action Memo Date:**	
Response Authority:	CERCLA	**Response Type:**	Time-Critical
Response Lead:	EPA	**Incident Category:**	Removal Action
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	9/3/2013	**Start Date:**	9/3/2013
Demob Date:		**Completion Date:**	
CERCLIS ID:		**RCRIS ID:**	
ERNS No.:		**State Notification:**	Yes
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

CERCLA Incident Category: Inactive Production Facility

1.1.2 Site Description

The former Multnomah Metals Company property is located at 236 SW Flower Street in Southwest Portland. Multnomah Metals operated a secondary lead smelting facility at this location from the early 1920s to the mid-1960s. A building at this location was used as a foundry to melt and recycle lead, solder, and other scrap metal. The smelter operated in close proximity to residences, most of which still exist today. The smelter property was re-zoned for residential housing in 1974, and the original industrial structures on the premises were demolished in 1975. In 1976 a home was constructed on the former smelter site.

ODEQ conducted an outreach program of neighboring properties in June 2012 to provide information regarding the former smelter property and to obtain access to analyze for lead in soil. ODEQ conducted field monitoring at 21 properties, and based on these results, ODEQ and EPA planned an additional investigation of four properties in close proximity to the former smelter property.

In April 2012, ODEQ entered into a voluntary agreement with the current property owner of 236 SW Flower Street to conduct an additional investigation, and remedial action at that property only. A comprehensive remedial investigation was completed in August 2012 to determine the extent and nature of contamination at the property. Surface and shallow subsurface conditions were investigated in early July 2012 by completing 36 direct-push soil borings to depths up to 3.0 feet below ground surface (bgs). The remedial action at 236 SW Flowers was completed in November 2012.

In June 2012, Oregon Department of Environmental Quality (ODEQ) referred four residential properties to EPA for further assessment. In October and November 2012, EPA conducted a Removal Assessment of the four residences referred by ODEQ, as well as three other nearby homes for a total of seven properties. Over 84 soil samples from the seven residences were collected and analyzed for lead, arsenic, and chromium as well as other metals. The Environmental Protection Agency hazard standard for lead in residential soil is 400 parts per million (ppm). Four of the seven residential yards exceeded the lead limit of 400 ppm and one yard had levels between 350 and 399 ppm. The EPA decided to set a conservative cleanup level of 350 ppm and will pay for the clean up of all 5 yards, despite one yard testing less than the hazard standard.

1.1.2.1 Location
The Multnomah Metals Removal Site (Site) is located in the Corbett Neighborhood of Portland, Oregon bounded by the intersections of SW Flower Street, SW Corbett Avenue, and SW Kelly Avenue.

The source of contamination at the Site has been identified by Oregon DEQ as a former smelter located at 236 SW Flower Street, an address now occupied by a duplex residence. The smelter ceased operations in the 1960's and was dismantled in 1975. The duplex was built in 1976. Oregon DEQ addressed removal and remediation of contamination at 236 SW Flower Street through a voluntary cleanup agreement with the current property owner.

The Site, as managed by EPA, includes 5 other properties at 214 SW Flower Street, 224SW Flower Street, 5718 SW Corbett Avenue, 5726 SW Corbett Avenue, and 5715 SW Kelly Avenue.

1.1.2.2 Description of Threat
Lead in soil is the primary contaminant of potential concern (COPC) at the site. Other metals were also identified as secondary COPCs based on Oregon DEQ screening: Arsenic, Antimony, Cadmium, Cobalt, and Mercury.

Lead was detected on site over 3,800 ppm using XRF field analysis with fixed laboratory correlation of 20% of the soil samples.

According to the EPA Superfund Lead-Contaminated Residential SItes Handbook, lead is not typically mobile in soil and does not readily leach into water in non-acidic conditions. Lead presents the most threat to children in play areas and to persons gardening in contaminated soil.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results
Oregon DEQ and EPA conducted removal assessments in 2012 and 2013 at 24 properties in the Corbett Neighborhood. Five of the properties had lead contamination in excess of the site action level.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.1.1 Current Situation as of close of business 07SEPT2013:
Mobilization and preparation work at 214 SW Flower Street adn 224 SW Flower Street began this week on 03SEP2013.

Removal action of lead contaminated soil began at 214 SW Flower Street and 224 SW Flower Street on 04SEP2013.

Removal action has been completed at 214 SW Flower Street and 224 SW Flower Street, and restoration is in progress at both properties.

Preparation work has begun at 5715 SW Kelly Avenue.

No work was conducted on Site on 08SEP2013.

2.1.2 Response Actions to Date
a. A site investigation has been completed by Oregon DEQ.
b. A time critical removal assessment has been completed.
c. The Action Memorandum has been completed.
d. EPA, ERRS, and START have mobilized to the site.
e. EPA has participated in community meetings.
f. Removal actions have been conducted on three properties.
g. Media interviews have occurred on site.
h. Soil for disposal has been analzyed for TCLP Metals to identify least costly disposal method (from Subtitle C to Subtitle D).

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)
a. A PRP has been identified by Oregon DEQ. Further information on the PRP is available in the Adminstrative Record.
b. The PRP participated in a voluntary cleanup with Oregon DEQ.

2.1.4 Progress Metrics

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Treatment*	*Disposal*
A	Vegetation	40 cy	N/A	None	Subtitle D
B	Shallow Soil	64.28 tons	6 loads	None	Subtitle D
C	Debris and Refuse	20 cy	N/A	None	Pending

2.2 Planning Section

2.2.1 Anticipated Activities
After preparation work is completed at 5715 SW Kelly Avenue on 09SEP2013, removal of contaminated soil will begin at that property.

Restoration work is planned to be completed at 214 SW Flower Street and 224 SW Flower Street on 09SEP2013.

Later in the week of 09SEP2013, depeding on the progress at other properties, preparation and removal work may begin at 5718 SW Corbett Avenue and 5726 SW Corbett Avenue.

2.2.1.1 Planned Response Activities
After this week (ending 07SEPT2013):

Restoration is planned to continue at 214 SW Flower Street and 224 SW Flower Street. Gravel, decomposed granite, topsoil, and grass seed is being used for most of the restoration.

Contaminated soil removal is planned at 5715 SW Kelly Avenue and will then proceed at 5718 SW Corbett Avenue and 5726 SW Corbett Avenue. Restoration will then be conducted at these properties.

ERRS plans stockpile soil at 5715 SW Kelly Avenue until 11SEPT2013 when dump trucks will be begin operating to transport soil to Hillsboro (subtitle D) Landfill.

2.2.1.2 Next Steps

2.2.2 Issues
Rain this week required implementation of BMPs for substantive compliance with the Clean Water Act. Silt filters were installed at the street storm drain, along the downslope sides of gravel stockpiles, and along the boundaries of properties where excavation had occurred.

2.3 Logistics Section

ERRS is managing most of the logistics for the site, except for START managed oversight and monitoring resources.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer
Jerry Wade - ERRS Personnel
Ryan Whitchurch - START

2.5.2 Liaison Officer
OSC (IC) Daniel Heister

2.5.3 Information Officer
EPA Alana Conley

3. Participating Entities

3.1 Unified Command
Unified command is not operating at this site currently.
The incident commander (IC) is OSC Daniel Heister.

3.2 Cooperating Agencies
Oregon DEQ is supplying technical expertise and site historical knowledge.

Multnomah County Health Department is available to the public for questions regarding toxicity of lead.

4. Personnel On Site

EPA
Daniel Heister (OSC, IC)

START
Ryan Whitchurch (PM)
Erin Lynch (part time relief)

ERRS (1 PM, 1 CA, 2 EO, 4 ET)
Jerry Wade (PM)
Susan Hunt (Cost Accountant)
Doug McManamy (Equipment Operator)
Mark Conway (Equipment Operator)
Garry Reynolds (Equipment Operator)
Luis Fula Sr. (Environmental Technician)
Luis Fula Jr. (Environmental Technician)
Gabe Smith (Environmental Technician)

5. Definition of Terms

PM = Project Manager
OSC = On Scene Coordinator
IC = Incident Commander

6. Additional sources of information

6.1 Internet location of additional information/report
http://www.epaosc.org/site/sitrep_edit.aspx?site_id=8616&counter=20311

6.2 Reporting Schedule
Pollution Reports are planned to be issued weekly during this removal action. A total of 3 Pollution Reports are anticipated at this time.

7. Situational Reference Materials

USEPA Superfund Lead-Contaminated Residential Sites Handbook
http://www.epa.gov/superfund/lead/products/handbook.pdf

Oregon DEQ ECSI Database:
http://www.deq.state.or.us/lq/cu/nwr/multnomahmetals.htm

USA Today article regarding removal action:
http://www.usatoday.com/story/news/nation/2013/03/06/epa-to-clean-up-lead-contamination-at-portland-homes-near-smelter-site/1968605/

USA Today Ghost Factories reports:
http://www.usatoday.com/topic/B68DCD3E-7E3F-424A-BDA4-41077D772EA1/ghostfactories/