U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Utah Metal Smelter - Removal Polrep
Initial Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VIII

Subject: **POLREP #1**
Initial
Utah Metal Smelter
A8C8
Salt Lake City, UT
Latitude: 40.7490010 Longitude: -111.9243260

To: David Ostrander, EPA Region 8
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From: Martin Mccomb, OSC
Date: 5/24/2014
Reporting Period: May 19-24, 2014

1. Introduction

1.1 Background

Site Number:	A8C8	**Contract Number:**	
D.O. Number:		**Action Memo Date:**	5/11/2014
Response Authority:	CERCLA	**Response Type:**	Time-Critical
Response Lead:	EPA	**Incident Category:**	Removal Action
NPL Status:	Non NPL	**Operable Unit:**	n/a
Mobilization Date:	5/19/2014	**Start Date:**	3/17/2014
Demob Date:		**Completion Date:**	
CERCLIS ID:		**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

Inactive Production Facility

1.1.2 Site Description

1.1.2.1 Location

The Utah Metal Smelter Site (Site) is located in the Glendale community of Salt Lake City, Salt Lake County, Utah (40.748541 latitude, -111.925695 longitude). The Site is roughly bordered to the east by Glendale Street and South 1100 West, to the south by American Street, to the west by Navajo Street, and to the north by open space.

1.1.2.2 Description of Threat

The Site was an abandoned metal smelter that operated from 1926 to 1956. Known as the Utah Metal Smelter, the facility was used to manufacture electrotype and linotype printing alloys, zinc babbit metal and other specialty mixtures. Past smelting and refining activities at the Site have released lead and other heavy metals into the nearby environment.

The Site is now part of a residential neighborhood that includes single family homes, Parkview Elementary School and open space. Approximately 21 adults and 15 children live on the Site. In addition, Parkview Elementary School has a student enrollment of 429 children with roughly 35 teachers and support staff.

There was a rail line to the north of the smelter that serviced the facility. That rail line was aquired by Salt Lake City and is now an open space green way. A paved path frequented by cyclists, runners and walkers now runs along the former railroad grade.

1.1.3 Removal Assessment Results

EPA conducted a combined Superfund Site Assessment and Removal Assessment at the Site on April 14-17, 2014.

EPA obtained access consents from Salt Lake City for the open space green way and a nearby park (for the collection of a background sample), from Salt Lake School District for the Parkview Elementary School and from nine of the eleven property owners at the Site.

EPA's Superfund Technical Assistance and Response Team (START) contractor with support from the Utah Department of Environmental Quality (DEQ) collected soil samples from each property at depths of 0-6", 6-18" and 18-36". EPA's Environmental Services and Assistance Team (ESAT) contractor analyzed the samples on Site using X-ray fluorescence (XRF) technology and the results were confirmed by secondary analysis at EPA's laboratory in Golden, CO.

Two residential properties and one segment of the open space green way (between South 1100 West and Emery Street) showed elevated levels of lead. All other samples were found to be below EPA's screening level for lead of 400 mg/kg.

Depth	Property 1	Property 2	Open Space Segment
0-6"	4190 mg/kg	1650 mg/kg	20 mg/kg
6-18"	9220 mg/kg	1260 mg/kg	1300 mg/kg
18-36"	3440 mg/kg	1030 mg/kg	1740 mg/kg

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA produced an Action Memo calling for the removal of soil from the two private properties and the open space between South 1100 West and Emery Street. Contaminated soils will be excavated to a depth of at least 2 feet, treated with an amendment to bind the lead and staged pending the results of a toxicity characteristic leaching procedure (TCLP) analysis. Once the soil is cleared by TCLP, the soil will be transported to a local landfill where it can be utilized as daily cover material. Non-contaminated fill and topsoil will be used to replace the excavated material and pre-excavation landscapes will be restored.

2.1.2 Response Actions to Date

EPA mobilized to the Site on May 19, 2014. EPA obtained access consents for the removal action and worked with affected property owners to develop restoration plans.

EPA's Emergency and Rapid Response Services (ERRS) contractor removed fencing from the impacted residential properties to increase access. ERRS utilized a small excavator and shovels to remove the soil from the tight spaces around both residential properties. START guided the excavation effort by obtaining real-time soil lead measurements.

ERRS treated a representative pile of the excavated soil with mono-ammonium phospate (11-52-0). START collected a sample of the treated soil and submitted it to a local laboratory for TCLP analysis. Excavated areas were then back filled with clean fill.

ERRS proceeded with treatment of the remaining soil and staged it pending the results of the TCLP analysis.

ERRS fenced off the impacted open space area and START collected subsurface XRF readings from the impacted open space area to determine the specific area that will be excavated.

Representatives from Utah DEQ have been on-site at various times during the removal action and provided valuable input.

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

To be determined.

2.1.4 Progress Metrics

of Properties Impacted: 3
# of Properties Excavated: 1
# of Properties Restored: 0

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

- Treated soil will be delivered to the local landfill (pending TCLP results).
- Excavation and restoration of remaining properties.

2.2.1.2 Next Steps

- Confirmation samples will be collected from all impacted properties.
- Final reports will be provided to each property owner.

2.2.2 Issues

None to report.

2.3 Logistics Section

Not applicable.

2.4 Finance Section

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	$125,000.00	$50,000.00	$75,000.00	60.00%
TAT/START	$25,000.00	$15,000.00	$10,000.00	40.00%
ESAT	$5,000.00	$0.00	$5,000.00	100.00%
Intramural Costs				
Total Site Costs	$155,000.00	$65,000.00	$90,000.00	58.06%

* 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

Not applicable.

2.5.2 Liaison Officer

Not applicable.

2.5.3 Information Officer

EPA has met regularly with impacted and surrounding property owners.

EPA coordinated with Utah DEQ to provide status updates at the following community meetings:

- Glendale Community Council on March 19, 2014, and May 21, 2014
- Poplar Grove* Community Council on March 26, 2014.

EPA and Utah DEQ are scheduled to provide a second status update to the Poplar Grove Community Council on May 28, 2014.

*Poplar Grove is an interested community to the north of Glendale.

3. Participating Entities

3.1 Unified Command

Not applicable.

3.2 Cooperating Agencies

EPA has coordinated closely with Utah DEQ during all phases of this project.

4. Personnel On Site

EPA Staff: 1
Utah DEQ Staff: 1
ERRS Contractors: 8
START Contractors: 1

5. Definition of Terms

DEQ Utah Department of Environmental Quality
EPA Environmental Protection Agency
ESAT Environmental Services and Assistance Team
ERRS Emergency and Rapid Response Services
OSC On-Scene Coordinator
START Superfund Technical Assistance and Response Team

XRF X-ray fluorescence

6. Additional sources of information

6.1 Internet location of additional information/report

www.epaosc.org/UtahMetalSmelter

6.2 Reporting Schedule

The next report will be distributed by May 31, 2014.

7. Situational Reference Materials

No information available at this time.