

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Orofino Asbestos Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region X

Subject: POLREP #3
Remobilization for Asbestos Soils Repository Repair
Orofino Asbestos Site
IDN001002885
Orofino, Clearwater County, ID
Latitude: 46.4793470 Longitude: -116.2551395

To: James Wertz, EPA Region 10 (POLREP List)
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From: Greg Weigel, On-Scene Coordinator

Date: 8/29/2012

Reporting Period: 8/24/2012 - 8/29/2012

1. Introduction

1.1 Background

Site Number:	IDN001002885	Contract Number:	
D.O. Number:		Action Memo Date:	8/2/2012
Response Authority:	CERCLA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	8/24/2012	Start Date:	8/24/2012
Demob Date:		Completion Date:	
CERCLIS ID:	IDN001002885	RCRIS ID:	
ERNS No.:		State Notification:	09/30/2010
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Emergency Response - Fund Lead Removal.

1.1.2 Site Description

See POLREPs #1 and #2 for overall site description prior to 2012. The currently active portion of the site is the engineered repository located at the 1st Baptist Church in Orofino. Asbestos-contaminated soil removed from remote properties in and around Orofino was consolidated with existing contaminated soil at the 1st Baptist Church to create an on-Site repository in Fall, 2011. An engineered gravity-based 19-foot high retaining wall constructed with manufactured concrete blocks serves as north and west outer perimeter of the repository.

During early March 2012, the Church Pastor contacted EPA and provided photographs showing that the retaining wall had settled causing the blocks to shift. An investigation of the repository revealed that heavy precipitation, including rain and snow, captured over the entire parking area and adjacent hillside coupled with snow plowed from the gravel and the asphalt parking areas overwhelmed the dry retention pond and added significant weight to the contaminated soil behind the retaining wall. When the contaminated repository soil became saturated with water, hydraulic pressure behind the wall and excess weight caused the concrete blocks to shift, compromising integrity of the entire retaining structure, and requiring that the wall be taken down and reconstructed and the repository rebuilt with improved engineered stormwater management and drainage features.

1.1.2.1 Location

The repository site is located at the 1st Baptist Church, Orofino, Clearwater County, Idaho.

1.1.2.2 Description of Threat

Refer to POLREPS #1 and #2 for description of the threat posed by asbestos contaminated soils that

required construction of the repository. Presently there is an imminent threat of failure of the repository retaining wall and subsequent release of asbestos contaminated soils within the repository, with potential exposure to airborne asbestos fibers by adjacent residents and church goers. Additionally, there is a physical hazard of an unstable 19-foot high retaining wall on a church property in the midst of a residential neighborhood.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Refer to Polreps #1 and #2 for initial site inspection results that led to removal of asbestos contaminated soils from a number of asbestos-contaminated properties in and around Orofino, and consolidation of those soils with asbestos-contaminated soils at the Church property. Additional investigations were conducted in Spring, 2012 to evaluate the nature and extent of the repository retaining wall failure and evaluate appropriate alternatives to remedy the problem, including evaluation of options for improving stormwater management and drainage of the repository.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

The ERRS contractor began mobilizing equipment and personnel to the Site on 24 August 2012. The EPA OSC and START contractor mobilized to the Site on 27 August 2012.

2.1.2 Response Actions to Date

To date ERRS excavated repository soils necessary to access the repository retaining wall down to the base and has removed and staged most of the concrete blocks that will need to be re-set. On 8/29 the OSC met on Site with engineers from both START contractor and the ERRS subcontractor that engineered the wall, to go over outstanding design issues for wall re-construction, repository drainage and stormwater management.

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

Addressed in Confidential Enforcement Addendum to Action Memorandum.

2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal
Asbestos Contaminated Soil	Soil	18,000 cubic yards			On-Site Engineered Repository

2.2 Planning Section

2.2.1 Anticipated Activities

Deconstruction of the failing retaining wall structure will be completed by 8/31. A representative from the concrete block supplier will be on site 8/31 to examine damage blocks and evaluate which ones can be re-used and which ones need to be replaced. EPA and contractors will secure the Site and demobilize for Labor Day weekend and remobilize to the site on Tuesday, 9/4. Week of 9/4 we will begin re-building engineered concrete block retaining wall.

2.2.1.1 Planned Response Activities

Re-build concrete block retaining wall. Construct 25-foot deep, 4-foot diameter dry well in center of repository to manage stormwater. Re-place and compact asbestos-contaminated soil in repository. Install PVC liner to collect storm water and convey to the drywell. Install evapo-transpiration, vegetated soil cover on liner. Repair asphalted portion of repository cover where it has slumped or been damaged.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

No information available at this time.

4. Personnel On Site

As of 8/29/2012:

EPA - 1

START - 2

ERRS - 7

ERRS Subcontractor - 1

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.