

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Pine Ridge Asbestos and Lead-based Paint Project Site - Removal Polrep  
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region VIII

**Subject:** POLREP #6  
Final POLREP  
Pine Ridge Asbestos and Lead-based Paint Project Site  
A857  
Pine Ridge, SD  
Latitude: 43.0579916 Longitude: -102.5757028

**To:** Laura Williams, EPA Region 8  
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**From:** Paul Peronard, On-Scene Coordinator  
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**Date:** 9/6/2012

**Reporting Period:** August 29-31, 2012

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	A857	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	6/19/2012
<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>	7/9/2012	<b>Start Date:</b>	7/9/2012
<b>Demob Date:</b>	8/31/2012	<b>Completion Date:</b>	8/31/2012
<b>CERCLIS ID:</b>		<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	Yes
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

#### 1.1.1 Incident Category

Time-Critical Removal Action under CERCLA

#### 1.1.2 Site Description

The Removal Action involves the demolition and proper disposal of approximately 40 - 60 abandoned buildings suspected to contain asbestos and/or lead-based paint. The buildings are generally structurally unsound with insulation, roofing and floor materials released at the Site. The buildings were identified by the Region 8 Brownfields Program and the Oglala Sioux Tribe's (OST) Environmental Protection Program as safety concerns and suspected sources of asbestos and lead-based paint exposure to nearby residents. Since the Action Memorandum was written, the OST has requested additional properties be addressed. Some of these were the result of a severe wind storm on July 28, 2012, that heavily damaged many structures. The current tally of properties to be addressed is 89.

##### 1.1.2.1 Location

The Site is located on the Pine Ridge Indian Reservation in East Shannon, Jackson and Bennett counties, in southern South Dakota. The Pine Ridge Indian Reservation is approximately 3,500 square miles or 2.2 million acres. The abandoned or damaged structures include both residential and commercial properties and are dispersed throughout the Site boundaries. The majority of buildings, however, are located in the Pine Ridge/Oglala area.

##### 1.1.2.2 Description of Threat

The known contaminants of concern are asbestos and lead. In addition, two homes are a suspected source of hanta virus. These are hazardous substances as defined by Section 101 (14) of CERCLA. There are also an unknown number of abandoned containers that may also contain hazardous substances and/or pollutants or contaminants.

##### 1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Between April 2008 and March 2012, the Oglala Sioux Tribe's Environmental Protection Program completed environmental assessments and field inspections of approximately 40 – 60 buildings located on the Pine Ridge Indian Reservation. In general, the buildings were determined to be unsecured, abandoned, structurally unsound and unsafe. Several of the buildings include improperly disposed and abandoned trash and unknown containers. According to the Oglala Sioux Tribe's field inspection reports and documented photos, children play in the abandoned buildings, tearing out insulation and further releasing debris into the environment. The Tribe hired RESPEC Consulting and Services who reviewed the field inspection reports and identified the sites as suspect for asbestos containing materials in floor tiles, insulation, and roofing materials and/or lead-based paint.

On April 24, 2012, the Oglala Sioux Tribe's Environmental Protection Program provided the field inspection reports to EPA Region 8's Brownfields Program and requested assistance from the EPA Emergency Response Unit in demolishing the abandoned buildings and properly disposing of the potential asbestos and lead contaminated materials, abandoned trash, and unknown containers. Given the hazards present at the Site and the proximity to community residences and children, EPA is conducting a Time-Critical Removal Action at the Site utilizing EPA's emergency response contractors.

EPA conducted a removal site assessment June 25-29, 2012, to confirm building locations and identify any potential issues to consider in planning the Removal Action. At that time 32 properties were designated as definite cleanup targets, with another 19 needing further evaluation.

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

#### 2.1.2 Response Actions to Date

EPA mobilized to Pine Ridge on July 9, 2012. Landfill preparation began on July 10, 2012. Demolition of the structures began July 12, 2012. Demolition and/or clean up has been completed at all 89 properties. The three underground storage tanks (USTs) discovered on properties in Wanblee were successfully removed August 28-29, 2012. The waste was transferred and properly disposed of at the Pine Ridge Reservation Landfill. Scrap metal and other recyclable items were sent to a local recycler. EPA's demolition and cleanup activities resulted in restored properties, and a new trailer has already moved onto one completed site. Demolition and restoration activities concluded in the town of Wanblee, SD, on August 30, 2012.

At the Pine Ridge Landfill, EPA has constructed a separate disposal area for the debris from the on-going cleanups. Waste is covered contemporaneously with its disposal. As of August 31, 2012, a total of 498 loads (approximately 35 cubic yards each) have been sent to the landfill.

Real time operational progress can be tracked on an EPA viewer website:

<https://startview.org/pineridge> username pineridge, password 2012epa.

This website tracks the status of each property and provides before and after views.

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

Not applicable.

#### 2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Demolition debris	solid	17,430 cubic yds	NA	prepped and sized for disposal as needed	municipal landfill
Scrap metal	solid	>85 tons	NA	none	recycler

### 2.2 Planning Section

#### 2.2.1 Anticipated Activities

##### 2.2.1.1 Planned Response Activities

EPA completed demolition and restoration activities, including the removal of the three USTs and close out of the Pine Ridge Landfill, on Thursday, August 30, 2012. All personnel de-mobilized from the Site on Friday, August 31, 2012.

##### 2.2.1.2 Next Steps

There are no additional response activities planned.

##### 2.2.2 Issues

None.

### 2.3 Logistics Section

Not applicable.

### 2.4 Finance Section

#### Estimated Costs \*

	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$1,100,000.00	\$978,000.00	\$122,000.00	11.09%
TAT/START	\$65,000.00	\$54,000.00	\$11,000.00	16.92%
<b>Intramural Costs</b>				
USEPA - Direct	\$20,000.00	\$13,950.00	\$6,050.00	30.25%
USEPA - InDirect	\$30,000.00	\$5,000.00	\$25,000.00	83.33%
<b>Total Site Costs</b>				
	\$1,215,000.00	\$1,050,950.00	\$164,050.00	13.50%

\* 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

Not applicable.

### 3. Participating Entities

#### 3.1 Unified Command

Not applicable.

#### 3.2 Cooperating Agencies

EPA is working closely with the Oglala Sioux Tribe's Environmental Protection Program. It is anticipated that the Tribe will continue to refer additional properties for cleanup.

### 4. Personnel On Site

OSC Dhieux  
1 START  
17 ERRS

### 5. Definition of Terms

None

### 6. Additional sources of information

#### 6.1 Internet location of additional information/report

A viewer has been created to support logistics of the Removal Action. The viewer is available at <https://startview.org/pineridge>.

User: pineridge  
Password: 2012epa

#### 6.2 Reporting Schedule

This is the Final POLREP.

**7. Situational Reference Materials**

None

POLREP #6 Last Updated 9/25/2012