

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Skyline Abandoned Uranium Mine (AUM) - Removal Polrep  
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IX

**Subject:** POLREP #14  
Final POLREP  
Skyline Abandoned Uranium Mine (AUM)  
09SY  
Monument Valley, UT  
Latitude: 37.0205530 Longitude: -110.2308250

**To:**  
**From:** Jason Musante, OSC  
**Date:** 10/24/2011  
**Reporting Period:** 10/10/11 - 10/21/11

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	09SY	<b>Contract Number:</b>	EP-W-07-022
<b>D.O. Number:</b>	022-9075	<b>Action Memo Date:</b>	9/27/2010
<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>	3/28/2011	<b>Start Date:</b>	11/1/2010
<b>Demob Date:</b>	10/21/2011	<b>Completion Date:</b>	10/21/2011
<b>CERCLIS ID:</b>	NNN000908358	<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

Please see POLREP #1 for additional Site Background information.

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

##### 2.1.1.1 Current Situation

All removal activities have been completed.

During the period of 10/10/11 to 10/21/11, the ERRS contractor completed installation of the rock "bio-barrier" and the top soil cap over the repository. Final grading of the repository slopes, restoration of the operational areas at the site, and demobilization of all equipment was also completed. START conducted gamma activity radiation surveys over the finished repository surface.

#### 2.1.2 Response Actions to Date

Mobilization for removal activities and site setup began the week of March 28, 2011. Construction of the repository began the week of April 4, 2011, and was completed at the end of May. Excavation of mine waste from valley floor areas on the north side and the upper slope below the mine opening of Oljato Mesa was completed by July 24. Transport of excavated wastes to the repository was completed on September 20. Installation of the top liner and soil cap was completed on

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

EPA to date has been unable to identify any existing PRPs. EPA will continue to analyze the voluminous responses to the information requests it sent to numerous parties associated with mining in general on the Navajo Reservation. Because of the urgency of this removal, EPA is proceeding with a fund-lead action. EPA will continue to review the information referenced above to determine whether viable and liable parties may be identified, and will pursue recovery of the removal costs if appropriate.

#### 2.1.4 Progress Metrics

Off-site disposal is not planned for this removal. A total of approximately 25,072 cubic yards of uranium mine waste and contaminated soils were excavated and transferred to the on-site repository. The following is an estimate of the approximate total volumes removed from specific areas of the Site:

- former AML repository: 4,540 cubic yards
- upper slope below mine opening: 2,196 cubic yards
- valley floor (incl. TSDA, TLDA, and arroyo): 18,336 cubic yards.

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

#### 2.2.1.1 Planned Response Activities

- 1) Archeological clearance of all areas impacted by removal activities;
- 2) Construction/improvement of limited access road on southern side of Oljato Mesa;
- 3) Secure a water supply for dust suppression activities, including the potential development of a groundwater well near the Site;
- 4) Development and implementation of an effluent dust monitoring program to prevent offsite release of contaminated particulate;
- 5) Construction of a subsurface repository on top of Oljato Mesa near the Skyline AUM;
- 6) Relocation of contaminated soils from the existing NN AML Skyline AUM repository to allow access to mine tailings on the edge of Oljato Mesa;
- 7) Excavation and internment of contaminated soils from the TLDA, TSDA, and unnamed arroyo in the onsite repository;
- 8) Development and implementation of a confirmation survey and sampling plan.

#### 2.2.1.2 Next Steps

-A final removal action report will be presented to NN EPA and the Oljato Chapter.

#### 2.2.2 Issues

None.

## 2.3 Logistics Section

N/A

## 2.4 Finance Section

No information available at this time.

## 2.5 Other Command Staff

### 2.5.1 Safety Officer

N/A

### 2.6 Liaison Officer

N/A

### 2.7 Information Officer

#### 2.7.1 Public Information Officer

N/A

#### 2.7.2 Community Involvement Coordinator

OSC Musante attended the Oljato Chapter monthly meeting on October 10<sup>th</sup> to give an update on site progress and answer questions.

## 3. Participating Entities

### 3.1 Unified Command

N/A

### 3.2 Cooperating Agencies

Navajo Nation EPA Superfund (NN EPA)  
Navajo Nation Abandoned Mine Lands Reclamation Program (AML)  
Navajo Nation Department of Water Resources

## 4. Personnel On Site

- 1 EPA OSC
- 1 START – E&E
- 9 ERRS – EQM, Liner subcontractor

## 5. Definition of Terms

No information available at this time.

## 6. Additional sources of information

### 6.1 Internet location of additional information/report

website: [www.epaosc.org/SkylineAUM](http://www.epaosc.org/SkylineAUM)

### 6.2 Reporting Schedule

This will be the final POLREP.

## 7. Situational Reference Materials

-maps: Skyline Fig 1 Site Location, Skyline Fig 2 Site Features