# Navajo Abandoned Uranium Mine

## Site Screen Report

This form is for use at the site of abandoned uranium mines (AUM) located on Navajo Nation lands. Applicable sites include all mine and mine features that have or have not undergone reclamation by the Navajo Abandoned Mine Lands Reclamation Program, including features, adits, pits and waste piles. Applicable sites also include all AUM sites listed in the USEPA CERCLIS database, all sites listed in the 2008 AUM GIS Report issued by USACOE and USEPA, all AUM sites on allotment lands associated with the Navajo Nation, and any and all AUM sites not listed in any database located on Navajo lands. Reconnaissance of any sites located on lands adjacent to Navajo lands that may be impacting Navajo lands will need to be coordinated with the authorities appropriate to those lands.

The purpose of the form is to ascertain the status and location of the identified AUM site, and record all immediate site information associated with the mine site. Decisions and recommendations on what additional steps are needed will be provided on a separate document.

## NA-0603 AUM Site

Navajo AUM Northern Region

Prepared by:

Weston Solutions, Inc.

Contract: W91238-06-F-0083

12767.063.496.1111

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## Part I Site Identification, Location and Status Site Names and ID numbers as applicable Mine ID: 192 Map ID: N277 **CERCLIS:** NNN000908853 Navajo Abandoned Mine Land Reclamation Program: None Local name / Aliases: None Chapter and local area: Sanostee Chapter **County:** San Juan **State:** New Mexico **Lat/Long:** 36.4164118691 N / -109.007189864 W Nearby road and highway: Indian Route 5010 Local Post Office: Sanostee, NM Surface Land Status: check one or more and provide ownership and contact information below **Tribal Trust Land Public lands Private Tribal Fee Land Bureau of Land Mgmt Allotment** Fee land State **Subsurface Mineral Rights:** No information on subsurface mineral rights ownership was found in the EPA/AUM Database. **Claim and operator information:** The mine site surface land status is classified as Tribal Trust Land. No other historical ownership / lease information was identified in the EPA/AUM database. Number of residential structures within 200 feet of mine: None **Estimated volume of mine waste onsite:**

Unknown

## Part II Summary of radiological readings

## Highest gamma radiation measurement:

None

## Describe any other radiological measurements:

Weston was unable to access the site; all known paths to the site were impassible. A site map is represented in Figure 1.

**Background Locations** 

**Average background** = None

None

#### **Distribution Chart and Statistics:**

None

#### Part III Status of Reclamation and Mine Waste

The following information was obtained from the Navajo Abandoned Mine Land Reclamation Program (NAMLRP) Point Features Database:

NAMLRP Status of the mine site: Reclaimed: No Waste Pile onsite: Yes

**NAMLRP Project Number:** None

**NAMLRP Mine features:** 1 Portal

The following information was obtained from field observations collected during the 2009 site screening:

Provide description and status of all mine sites and features at site. Include all waste piles, adits, pits and other features, and indicate whether they are open, closed, covered, capped, buried or unreclaimed. Indicate approximate size, shape and extent, including description of any reclamation caps. Note condition of all caps.

#### Observed reclamation work and status:

#### **Adits**

Unknown

#### **Waste Piles**

Unknown

#### **Pits**

Unknown

#### **Shafts**

Unknown

#### **Other Debris and Mine Features**

Unknown

#### **Part IV**

#### **Site observations and Environs**

Observed Structures: list number of and describe human habitation status of structures at the following distances from mine:

0 to 200 feet: None

200 feet to 0.25 mile: None

Observed Public or commercial structure: list and describe all schools, clinics, Chapter Houses, places of business and any other structure used by members of the community at the following distances:

0 to 200 feet: None

200 feet to 0.25 mile: None

Levels measured around the perimeter(s) of the identified structure(s):

None

Observed water sources: list the number and type of wells and surface water sources that are potentially used for human consumption at the following distances from the mine:

0 to 0.25 miles: None

**0.25 miles to 4 miles:** None

Sensitive environments: note and describe all sensitive environments located within visible range of the mine site, including: wetlands, endangered species, habitats and approximate locations of sites that may be under protection of the government of the Navajo Nation.

None observed

Known Site History: include information from interviews with Chapter officials and residents. Note information on mine ownership, type of mining operation, period of operation, known amount of production, and any other information as provided.

NA-0603 mine consists of an area of 11,269.03 m<sup>2</sup>. The mine was not identified as ever being operational. No other historical information or any additional ownership / lease information was identified in the EPA/AUM database.

Part V Response Action Summary

**Site Name(s):** NA-0603 **Chapter:** Sanostee

**Decision Criteria** 

Is there an unreclaimed waste pile at the site? Unknown

At what distance from the waste pile is the nearest residential structure located? None

At what distances from the waste pile are there potential drinking water sources? None

Is there a reclamation cap or sealed adit in place at the site? Unknown

Is the cap/seal functionally intact? Unknown

Is the cap/seal sufficiently degraded to create a concern about releases? Unknown

At what distance from the cap/seal is the nearest domestic structure located? None

At what distance from the cap/seal is the nearest domestic drinking water source? None

**Summary of emergency response factors** 

None

**Summary hazard ranking system factors** 

None

**Summary of reclamation factors** 

Unknown

## Part VI Photos

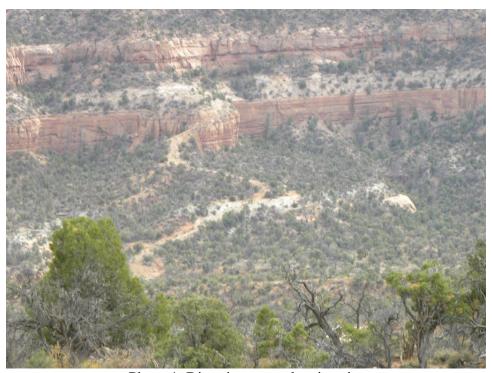


Photo 1. Direction towards mine site



Photo 2. Direction towards mine site

## Part VII Contacts Reports and Information

Name: <u>Stanley Edison (928) 871-6861</u>	
Eugene Esplain (928) 871-7331	
Title or official role (if any) Navajo EPA Superfund Program	
Address PO Box 2946, Window Rock, AZ 86515	
Information provided <u>Lead Regulatory Agency</u>	
Name	
Title or official role (if any)	
Address	
Telephone number	
Information provided	
Name	
Title or official role (if any)	_
Telephone number	_
Information provided	
Name	
Title or official role (if any)	_
Telephone number	_

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