Worksheet B-1
Categorical Exclusion or Ineligible Properties Checklist

Preparer: C. Vincent **Office Symbol:** PM-H **Date:** 7.28.04

Property Name: Skull Valley Sheep Burial Site **Property No:** J08UT1100

Location: Toole County, Utah

Categorical Exclusions (refer to Chapter 3):

_____ USO Properties _____ Recruiting Centers _____ Cemeteries

Ineligible Properties (refer to Chapter 3):

_____ *Properties Declared Excess but Not Conveyed*: Properties identified by the DoD Component for excess prior to 17 October 1986, but not conveyed to another entity until after 17 October 1986.

_____ *State National Guard*: State National Guard properties unless formerly owned by, leased to, possessed by US and under Jurisdiction of DoD when contaminated .

_____ *Defense Plant Corp.*: Never under the Jurisdiction of DoD.

_____ *Acts of War*: Where release occurred solely as result of an act of war.

_____ *Property without Records*: No records to support eligibility determination.

_____ *Active DoD Installation*: Properties still under the Jurisdiction of DoD components.

X *Duplicate Properties*: A property that is known by a different name, yet is the same physical property already listed in the FUDS inventory. (Provide the Property Name and Number of the property duplicated in comments below.)

_____ *Non-US Property*: Outside the U.S. or districts, territories, commonwealths, and possessions over which the U.S. has jurisdiction.

_____ *Civil Work Property*: DoD Army Civil Work properties unless contaminated while under DoD military control.

_____ *Offshore Ordnance*: More than 100 yards seaward of mean high tide.

_____ *Restoration Already Initiated*: Where a Component has already initiated restoration activities.

_____ *Non-DoD Ownership*: No DoD Jurisdiction.

All pertinent FUDS information for this property can be found at: Sheep Burial Site, J08UT1096.

SITE SURVEY SUMMARY SHEET
FOR
DERP-FUDS SITE NO. J08UT110000

SITE NAME: Skull Valley, Sheep Burial Site

LOCATION: The sheep burial sites are located in three distinct areas. One is a landfill consisting of two trenches (record search shows that only one trench was used for the sheep burial), approximately 200 feet long, located near White Rock Mountain in Tooele County, Utah. It is approximately 0.5mi off the Northeast boundary of Dugway Proving Ground (DPG). The White Rock Ranch site was addressed under the FUD Site J08UT109600. The second site has five trenches located on the east side of the Skull Valley Indian Reservation located in Tooele, Utah. Location sketches from the St. Louis District Archive Search Report are enclosed. The third burial site is located on Hatch Ranch which is just south of Terra, Utah. The Hatch Ranch burial site was the smallest site.

SITE HISTORY: Dugway Proving Ground (DPG) was established in 1942 to develop and test chemical weapons and biological defense systems. The initial test efforts resulted in the development of several munitions systems, including incendiaries, 4.2 inch chemical mortars, flamethrowers, and toxic chemicals capable of being sprayed from aircraft. In addition to the development of toxic agents, remedies or antidotes and various types of protective clothing were tested. The types of chemical warfare agents tested at DPG included the V-Type nerve agent VX, which was the agent that allegedly was ingested and therefore killed the sheep buried near White Rock Mountain in 1968.

Open air testing of chemical agents was performed at DPG until 1969, when all such activities were suspended. Since then, only chemical simulants have been tested in the open air.

In support of Huntsville Division, the St. Louis District prepared an archive search report (ASR) for the multiple sheep burial sites. This ASR recommended no further action for any potential OE projects; however, a limited site investigation was recommended for residual hazardous, toxic and radiological wastes (HTRW). The ASR recommended the limited HTRW site investigation for the White Rock Ranch area only (original INPR included multiple areas within the site J08UT1096). If contamination associated with former DoD activities is found on the White Rock Ranch, then the Hatch Ranch would also be investigated. The sheep burial area located within the Skull Valley Indian Reservation was not addressed in detail in this report. The St. Louis district team did not access the Goshute Indian Reservation. Therefore, recommendations for additional investigation at the Skull Valley site were not addressed in the St. Louis District report.

SITE SURVEY SUMMARY SHEET
FOR
DERP-FUDS SITE NO. J08UT110000

An HTRW site investigation project for the Sheep Burial Site at the White Rock Ranch FUDS (J08UT109601) was approved on 8 June 1995. The project scope included intrusive investigations at the former trenches where the sheep were buried. The project also included the preparation of an Environmental Evaluation. The development of the Environmental Evaluation includes coordination with the Goshutes Indian Tribe since native American cultural artifacts may be located on White Rock Ranch. The Site Investigation workplan was initiated in the fall of 1995 . The field work for the Environmental Evaluation as well as the intrusive investigations at the trenches have not been initiated yet due to the inclement weather and due to the inability to coordinate the site work with the Goshute Indian Tribe.

The Department of the Army has proposed (April 1996) that an investigation of the Skull Valley Site be conducted concurrently with the White Rock Ranch investigation. The scope and extent of the investigation will be similar to the White Rock Ranch investigation. The investigation at the Skull Valley site will likely be executed through a sole source agreement with the Goshute Indian Tribe, while the investigation at the White Rock Ranch will continue under the existing A/E contract.

SITE VISIT 1 : Only a cursory site visit of the Skull Valley sheep burial site has been performed. The cursory visit to the site occurred during the site visit to the White Rock Ranch site in September 1995. The site was visited as part of the contract scoping meeting for the White Rock Ranch site investigation.

CATEGORY OF HAZARD: HTRW

PROJECT DESCRIPTION:

a. HTRW. **Refer this project to CESPK for limited site investigation at the White Rock Ranch to determine if residual HTRW remains in the soil or ground water.**

AVAILABLE STUDIES AND REPORTS: Archive Search Report for the Sheep Burial Sites, prepared by St. Louis District (CELMS), 6 May1994.

PA POC: Mr. William Mullery, CESPK-ED-EB, (916) 557-6944.

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
FORMERLY USED DEFENSE SITES

FINDINGS AND DETERMINATION OF ELIGIBILITY

SKULL VALLEY SHEEP BURIAL SITE
TOOELE COUNTY, UTAH
SITE NO. J08UT110000

FINDINGS OF FACT

1. In 1968, an investigation was conducted to determine the cause of death of sheep in the Skull Valley, White Rock Mountain and Hatch Ranch Areas. Dugway Proving Ground (DPG) agreed to assist with the burial of the sheep thus displaying a demonstrated and documented presence in the area.

One sheep burial site is located near White Rock Mountain in Tooele County. It is believed to be a landfill area consisting of two trenches approximately 200 feet long and 0.5 miles off the Northeast boundary of Dugway Proving Ground (DPG). The second site has five trenches located on the east side of the Skull Valley Indian Reservation located in Tooele, Utah. The third site is located on Hatch Ranch which is just south of Terra, Utah.

2. DPG agreed to assist in the appropriate disposal of sheep carcasses which died in the vicinity DPG. Although DPG claimed that the chemical warfare agent tests did not contribute to the direct death of the sheep, DPG did undertake the burial of the sheep at multiple sites.

3. The state of Utah has regulated as hazardous waste all materials that are or were historically exposed to chemical agents. The sheep are therefore listed with the State of Utah as Utah F999 hazardous wastes. This site, although off post, is listed as DPG Solid Waste Management Unit (SWMU) No. 67 and has not been used for any purpose since burial of the sheep in 1968.

DETERMINATION

Based on the foregoing findings of fact, the Skull Valley Sheep Burial Site has been determined to be formerly used by the DOD. Therefore, it is eligible for the Defense Environmental

Restoration Program for Formerly Used Defense Sites, established under 10 U.S.C. 2710 et seq.

6 July 1999
Date

for Philip A. Barnette, Jr., MP
PETER T. MADSEN
COL (P), U.S. Army
Commanding