

SITE SURVEY SUMMARY SHEET
FOR
DERP-FUDS SITE NO. J08UT110500
BURIAL SITE NO. 1
OGDEN NATURE CENTER, DEFENSE DEPOT OGDEN, UTAH

SITE NAME: Burial Site No.1, Ogden Nature Center (ONC).

LOCATION: The site is located outside and adjacent to a southwest corner of the Defense Depot Ogden, Utah (DDOU), in Weber County, Utah (Figure 1). It is situated approximately forty miles north of Salt Lake City, Utah.

SITE HISTORY: ONC was formerly part of DDOU, which was originally built for the Quartermaster Corps of the Army. DDOU was used primarily to store, ship and receive Army, and later, other military branch supplies. In the late 1940s, the site was also briefly used for military training. Portions of the Depot, including parts of ONC, were used as disposal areas. ONC was a former disposal site for riot control agents and liquid smoke. A Geo-hydrological Investigation and Evaluation of the DDOU was performed in 1985, during which time Burial Site #1 in ONC was identified. The site was originally believed to be a burial and disposal area for used 55 gallon drums. After a Remedial Investigation/Feasibility Study (RI/FS) was completed at DDOU in 1989, Burial Site No.1 was included to be cleaned up as part of DDOU Operable Unit 1 (OU1). An RI/FS for OU1, in 1991, could not definitely locate the burial site. As no indication was found that the pit was causing contamination, the pit was recommended for no further action. However, in 1992 during a Public Health Assessment for DDOU, exposed rusty metal drum carcasses were observed at the ONC, and a "Gentleman's Agreement" was made to remove the drums to avoid possible injury to ONC visitors. During drum excavations in November 1996, other items were found including CWM. The U. S. Army Technical Escort Unit (TEU) was called in to aid in identification and to perform a risk assessment. A stop order was put into place. TEU determined there was no immediate threat to life or property, so the area was secured and closed, pending decisions concerning remediation. As Operable Unit 3 (OU3), located on DDOU, contained the same types of materials, the proposed remediation for Burial Site No. 1 would follow methods used at OU3.

0 200' 400' 600' 1200'



OU #1

OU #3

OU #2

OU #4

REMOVED UNDER GROUND STORAGE TANK
INVESTIGATIVE AREA

OPERABLE UNIT

ADMIN SPACE

WHSE SPACE

ADMINISTRATIVE SPACE

NET OFFICE SPACE = 321,336 SQ FT
NET SPECIAL SPACE = 25,476 SQ FT
NET ADMIN STORAGE SPACE = 18,221 SQ FT
TOTAL SPACE = 365,433 SQ FT

TOTAL COVERED WHSE SPACE
6,259,000 SQ FT

REVISION	DATE	BY
DEPARTMENT OF DEFENSE FACILITIES ENGINEERING DIVISION DEPOT REUSE GENERAL SITE PLAN		
DESIGNED BY	DATE	BY
CHECKED BY	DATE	BY
APPROVED BY	DATE	BY
THEIR AGENCY	DATE	DATE
SAFETY OFFICER	DATE	DATE
AS BUILT	DATE	DATE
DEPARTMENT OF DEFENSE FACILITIES ENGINEERING DIVISION DEPOT REUSE GENERAL SITE PLAN		

The DDOU is a BRAC 95 location and is scheduled for closure in September 1997. Public roadways, residential housing and recreational activities are in the immediate vicinity of the burial sites. The estimate enclosed is the total project cost. Cost shall be shared by the Defense Logistics Agency (DLA) and FUDS.

SITE VISIT: An initial site visit was made when glassware containing CWM was uncovered on November 7, 1996. Work was suspended, the TEU was called in, a site visit was made and photographs were taken. A second site visit occurred in July 1997, when representatives of the Huntsville District, Defense Logistics Agency (DLA), Defense District Region West (DDRW) and DDOU reviewed the site prior to scoping and funding the remedial action.

CATEGORY OF HAZARDS: OE/CWM

PROJECT DESCRIPTION:

OE/CWM: The proposed project consists of locating, identification/characterization of waste, and removal of contaminated soil, metal drums and other OE/CWM debris from the two burial pits in Burial Site No.1, as was done for OU3. Burial Site No.1 consists of area #1 and area #2. Area #1, approximately 40 feet by 200 feet, is located about 600 feet west-southwest from the Smoke and CN Grenade Burial Area in OU3. Area #2 is approximately 30 feet by 30 feet and is situated about 500 feet north of Area # 1.

AVAILABLE STUDIES AND REPORTS:

1. "Final Field Sampling Plan for Operable Unit 3, Defense Depot Ogden, Utah", July 1993
2. "Defense Depot Ogden, Utah, Scope of Work, Operable Unit 3", March 1993
3. "Final Draft, Annex A, Statement of Work, Chemical Warfare Material Investigation/Removal Actions, Defense Depot Ogden, Utah (DDOU), Ogden, Utah"

PA POC: Mr. William Mullery, CESPCK-ED-EB, U. S. Army Corps of Engineers, Sacramento District, (916) 557-6944.

PROJECT SUMMARY SHEET
FOR
DERP-FUDS OE/CWM PROJECT NO. J08UT110501
BURIAL SITE No.1, OGDEN NATURE CENTER

PROJECT DESCRIPTION: While removing exposed, rusty metal drum carcasses from Burial Site No.1 in the Ogden Nature Center, other OE/CWM items were found. These included gas mask filters, burned out 55-gallon drum carcasses believed to have contained white smoke and riot control agent prior to burning, a drum leaking thick brown liquid after being punctured by a backhoe, glass bottles containing various amounts and colors of liquids, components of smoke pots and tubes of creams believed to be used for protection from chemical warfare agents. Many 4 ounce full, sealed cans of paint, originally intended to be used to identify the presence of chemical warfare agents, were also found. The glass bottles were determined to be chemical agent identification set (CAIS) training kits. These items are similar to those found and removed from the DDOU Operable Unit 3 (OU3); therefore proposed remediation would follow methods used at OU3 to locate, remove and identify contaminated soil and OE/CWM. Burial Site No.1 consists of two burial pits: Area #1 is approximately 40 feet by 200 feet; Area #2 is approximately 30 feet by 30 feet.

PROJECT ELIGIBILITY: Buried items were generated, used, and disposed of by the U.S. Army on U. S. Army property. All of the items are safety hazards for the public and hazards for the environment, therefore remedial actions are eligible under FUDS.

POLICY CONSIDERATIONS: None

RAC FORM: Attached

COST ESTIMATE: Attached

PROPOSED ACTIVITIES: The proposed project consists of locating, identification/characterization of waste, and removal of contaminated soil, metal drums and other OE/CWM debris from the two burial pits in Burial Site No.1, as was done for OU3.

PA POC: Mr. William Mullery, CESPK-ED-EB, U. S. Army Corps of Engineers, Sacramento District, (916) 557-6944

**DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
FORMERLY USED DEFENSE SITES**

FINDINGS AND DETERMINATION OF ELIGIBILITY

**BURIAL SITE 1, OGDEN NATURE CENTER
DEFENSE DEPOT OGDEN, UTAH
WEBER COUNTY, UTAH
SITE NO. J08UT110500**

FINDINGS OF FACT

1. The area known as Burial Site 1, Ogden Nature Center was acquired as part of Defense Depot Ogden, Utah (DDOU) Weber County AKA: Utah Quartermaster Depot Project, Utah General Depot and Depot Reuse. Between 1943 and 1944 the U.S. Government acquired 1,678.79 acres more or less in fee by an Amended Declaration of Taking, Civil Case No.177 dated 31 July 1941, Final Judgement Civil Case No.177, dated 27 May 1944. Out of this 1,678.79 acres of land, the following Tract Numbers were assigned to identify 3 parcels of land in the vicinity of where Burial Site 1 is located: Tract No. 60 -23.83 acres acquired from Thomas W. Layman by Amended Final Judgment document, dated 19 Feb 1944; Tract No. 68 -10.40 acres acquired from Laura Jane Meyerhoffer by Amended Final Judgment document, dated 7 June 1944; and Tract No. 74 - 52.53 acres acquired from Preston A. Blair by Amended Final Judgment document, dated 24 April 1944. Acquisition Authorization: War Dept. AGO 1st Indorsement, dated 15 August 1940; RE-D 2119 (General Directive), dated 29 January 1943; RE-D 2726, dated 3 December 1943.
2. Burial Site 1, Ogden Nature Center was used for unknown military purposes.
3. Portions of Tract Nos. 60, 68 and 74 where Burial Site is located, were part of 145.40 acres transferred to The Department of Interior, by letter dated 7 September 1973.

DETERMINATION

Based on the foregoing findings of fact, the 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. 2701 et seq.

28 June 99

Date



PETER T. MADSEN

COL (P), U.S. Army Commanding