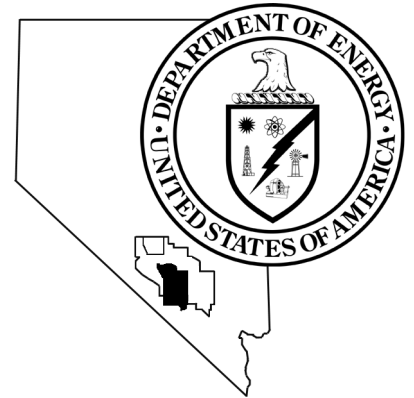


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DOE/NV--752



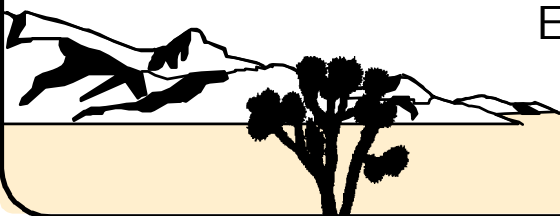
Mud Pit Identification Report Nevada Test Site, Nevada

Revision No.: 0

September 2001

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Division



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MUD PIT IDENTIFICATION REPORT NEVADA TEST SITE, NEVADA

U.S. Department of Energy
National Nuclear Security Administration
Nevada Operations Office
Las Vegas, Nevada

Revision No.: 0

September 2001

Approved for public release; further dissemination unlimited.

**MUD PIT IDENTIFICATION REPORT
NEVADA TEST SITE, NEVADA**

Approved by: _____ Date: _____

Janet Appenzeller-Wing, Project Manager
Industrial Sites Project

Approved by: _____ Date: _____

Runore C. Wycoff, Division Director
Environmental Restoration Division

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List of Acronyms and Abbreviations

CAS	Corrective Action Site
CAU	Corrective Action Unit
DOE	U.S. Department of Energy
DTRA	Defense Threat Reduction Agency
FFACO	<i>Federal Facility Agreement and Consent Order</i>
ft	Foot (Feet)
GIS	Geographic Information Systems
LANL	Los Alamos National Laboratory
LLNL	Lawrence Livermore National Laboratory
NDEP	Nevada Division of Environmental Protection
NNSA/NV	U.S. Department of Energy, National Nuclear Security Administration Nevada Operations Office
NTS	Nevada Test Site
UGTA	Underground Test Area

Definitions

The following definitions are used in this report:

Borehole: A hole bored or drilled into the earth used for a variety of purposes.

Corrective Action Site (CAS): Sites potentially requiring corrective action(s) and may include solid waste management units or individual disposal or release sites. This term is used solely to identify sites that are included or will be included in the FFACO appendices.

Corrective Action Unit (CAU): One or more CASs grouped geographically, by technical similarity, agency responsibility, funding, or other appropriate reasons for the purpose of determining corrective actions.

Drill Hole: See "Borehole."

Drilling Media: A generic term describing any type of fluid or material used to aid in the drilling process.

Emplacement Hole: A large diameter hole that is drilled in support of Pre-Shot activities. In some instances, the emplacement hole was drilled but never used.

Federal Facility Agreement and Consent Order (FFACO): This document provides a framework for identifying, prioritizing, investigating, remediating, and monitoring Nevada sites contaminated by the U.S. Department of Energy, National Nuclear Security Administration Nevada Operations Office (NNSA/NV) and the U.S. Department of Defense.

Mud Pit: A general term describing an earthen area into which drilling media and/or drill cuttings were pumped or discharged as part of the drilling activity.

Mud Pit Identification: This phrase describes the process of researching each applicable drill hole on the Nevada Test Site and determining whether a mud pit is currently visible and identifiable for subsequent entry into the FFACO.

Orthophotograph: Orthophotos combine the image characteristics of a photograph with the geometric qualities of a map.

Definitions (Continued)

Other Mud Pit: These mud pits were utilized during the drilling of holes for purposes other than emplacement or postshot drilling activities.

Preshot Mud Pit: A mud pit associated with the drilling of an emplacement hole.

Postshot Mud Pit: A mud pit used during postshot drilling activities.

Return Mud Pit: An earthen pit used during pre- and postshot drilling to collect the drill cuttings and drilling media.

Shared Mud Pit: A mud pit that was utilized for the drilling operations of more than one drill hole.

Subsidence Crater: The depression left in the ground as a result of underground nuclear testing.

Suction Mud Pit: An earthen pit used in conjunction with a return mud pit; the drilling media was pumped out for reuse in drilling operations.

1.0 Introduction

The U.S. Department of Energy (DOE), National Nuclear Security Administration Nevada Operations Office (NNSA/NV) and the Nevada Division of Environmental Protection (NDEP) completed the *Mud Pit Strategy, Nevada Test Site, Nevada* (DOE/NV, 2001) to document a systematic process for categorizing, identifying, and administratively entering mud pits with suspected contamination at the Nevada Test Site (NTS) into the *Federal Facility Agreement and Consent Order* (FFACO).

This report documents the execution of the strategy document (DOE/NV, 2001) by examining the identification process and by documenting those results. For clarification purposes, this document uses the term “entry” to indicate inclusion of mud pits into the FFACO and “exclusion” to indicate those mud pits which do not meet the “entry” criteria defined in this report.

1.1 Objectives

The objectives of this report are to:

- Summarize the process used to identify mud pits
- Discuss the mud pits that do not meet FFACO entry criteria
- Identify mud pits for proposed FFACO entry
- Describe the general mud pit distribution
- Define the mud pit categories

1.2 Mud Pit Strategy

The *Mud Pit Strategy, Nevada Test Site, Nevada* (DOE/NV, 2001), provided pertinent details on the NTS mud pit background and process to be used for the mud pit identification effort. The document discussed the following:

- Overview of NTS drilling mud and formulations
- General mud pit design and operations
- Historical analytical results at other mud pit characterization efforts
- Current conditions of mud pits at the NTS
- Identification of contaminants of potential concern
- Exclusions for entry into the FFACO
- Mud pit categories
- Path-forward for the NTS mud pit identification effort

2.0 Background

2.1 Background

Drilling operations have played a major role in underground nuclear testing at the NTS since 1951. Each test employed drilling methods which may have involved a mud pit. The mud pits were used for the transfer and collection of drilling mud, rock cuttings, and drilling fluids and are known to be located throughout the NTS ([Figure 2-1](#)). Consequently, the underground nuclear test was the foundation for this report.

Underground nuclear tests typically involved the use of an emplacement hole and a variety of ancillary drill holes which served a number of purposes (e.g., exploration or sample recovery). While the vast majority of the underground nuclear tests utilized two or three of these supplementary drill holes, some are known to have had as many as 12. Although some drill holes may not have been associated with a particular underground nuclear test, all drill holes identified on the NTS with the potential for a mud pit are addressed in this document. As detailed in [Figure 2-2](#), a total of 3,689 drill holes on the NTS were reviewed.



Figure 2-1
Example NTS Mud Pit

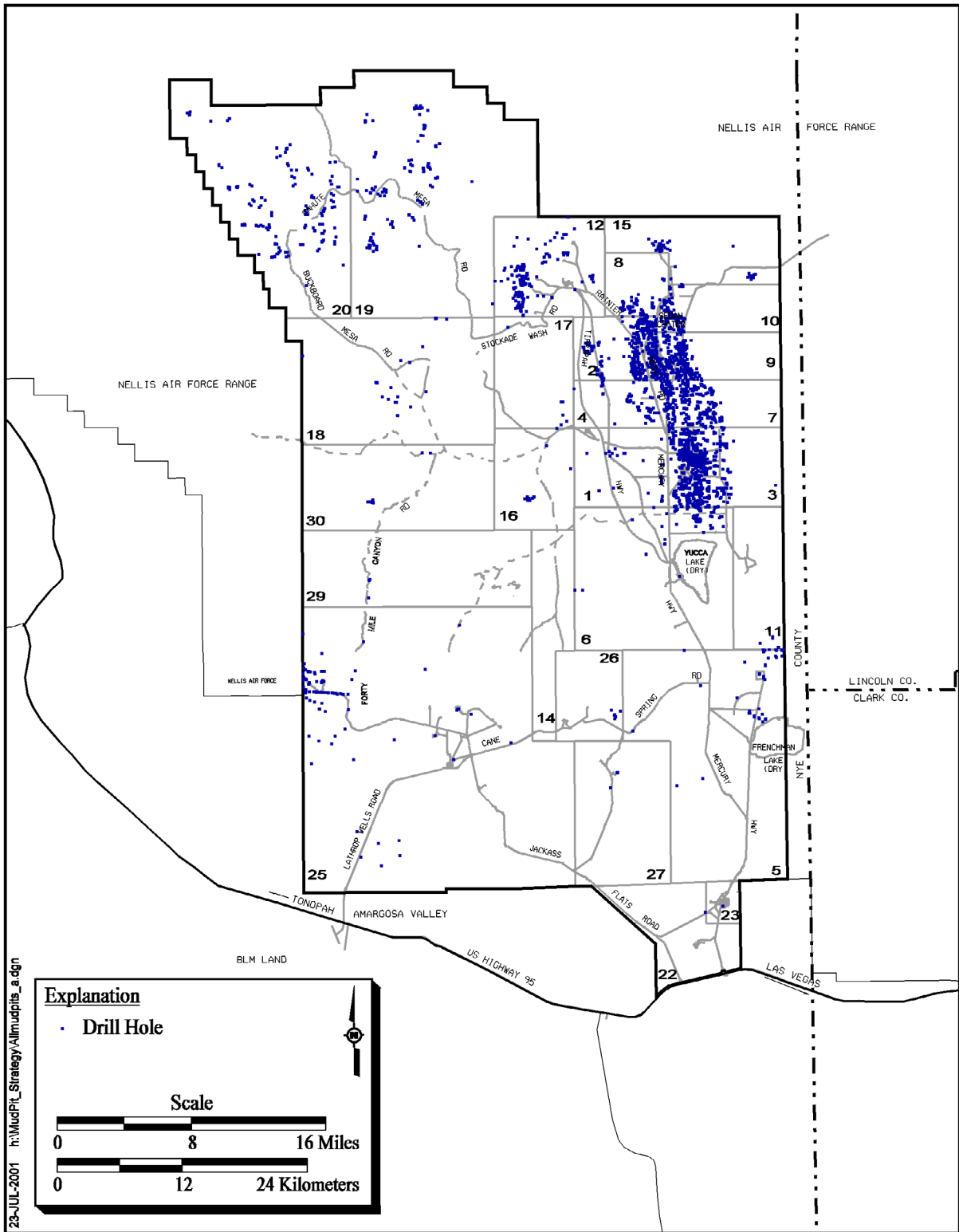


Figure 2-2
NTS Drill Hole Distribution Map

2.2 Drill Hole/Mud Pit Identification

As depicted in [Figure 2-3](#), a uniform process was used to identify mud pits. The names of the underground nuclear tests were gathered from the document *United States Nuclear Tests July 1945 through September 1992* (DOE/NV, 2000). The *Nevada Test Site Drilling and Mining Summary* (RSN, 1991) was used in conjunction with revision one of the “Borehole Index,” (the term “borehole” being synonymous with “drill hole” for the purposes of this report) to obtain basic test and drill hole information. The Borehole Index (NNSA/NV, no date) is maintained and controlled by the NNSA/NV, Underground Test Area (UGTA) Project, and contains a listing of all the currently known drill hole locations on the NTS.

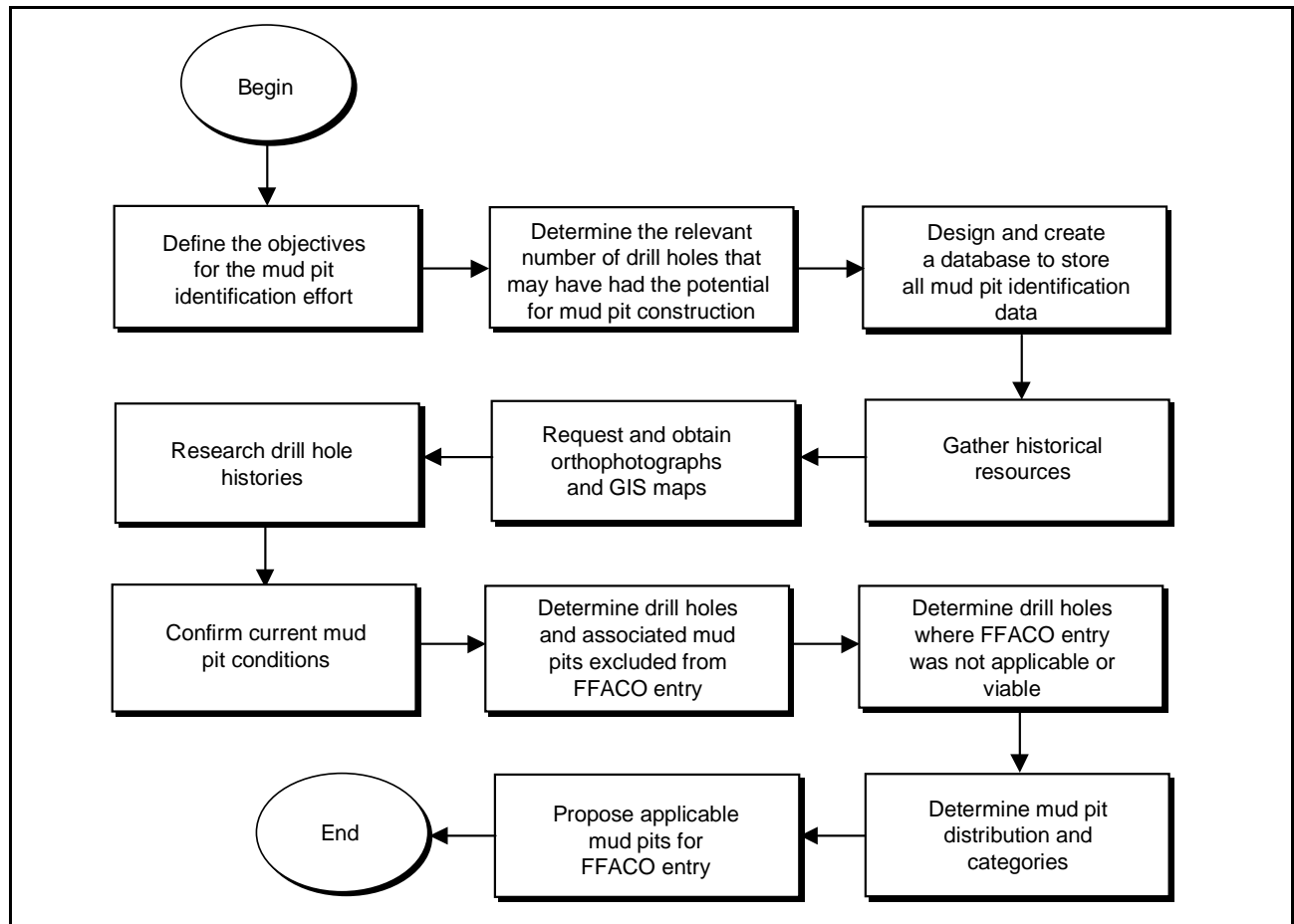


Figure 2-3
Mud Pit Identification Process Flow Chart

A historical review was conducted for each drill hole to determine what type of circulating media was used during drilling operations. The type of circulating media used at each drill hole varied from no circulating media to various mixtures such as mud, air, foam, and Davis Mix. This information was used to determine the type and/or requirement for a mud pit.

Additionally, engineering drawings for each underground nuclear test were ordered and reviewed to determine if a mud pit was constructed. The majority of the mud pits were not identified using the engineering drawings because their presence was rarely documented. When available, historical aerial photographs depicting pre- and post-test operations were the main source for mud pit identification. Historical aerial photographs were often helpful in determining the mud pit location and dimensions as well as the distance and compass direction from the drill hole (Figure 2-4).



Figure 2-4
Example Historical Photograph Depicting Mud Pits

Concurrent with the historical reviews, all 3,689 drill holes were plotted on 1998 Aerial Orthophotographs and Geographic Information Systems (GIS) maps of the NTS. These Aerial Orthophotographs provided a visual, current, conditional review which allowed for the rapid

orientation and identification of the subsidence craters, drill holes, and associated visible mud pits (Figure 2-5). Additionally, wells known to be associated with UGTA drilling operations were plotted and mapped using GeoMedia® Software. To prevent the misidentification of UGTA fluid storage sumps or infiltration basins as historical mud pits these maps were compared to the Orthophotographs and GIS maps.

Once the UGTA fluid storage sumps or infiltration basins were identified and excluded, orthophotographs were used in conjunction with the historical aerial photos to confirm the current mud pit conditions. Specifically, an attempt was made to determine if the mud pits had been covered with native soil or were still visible and identifiable. If the mud pit could be identified and did not reside in a subsidence crater, detailed information was documented and the site was proposed for FFACO entry.

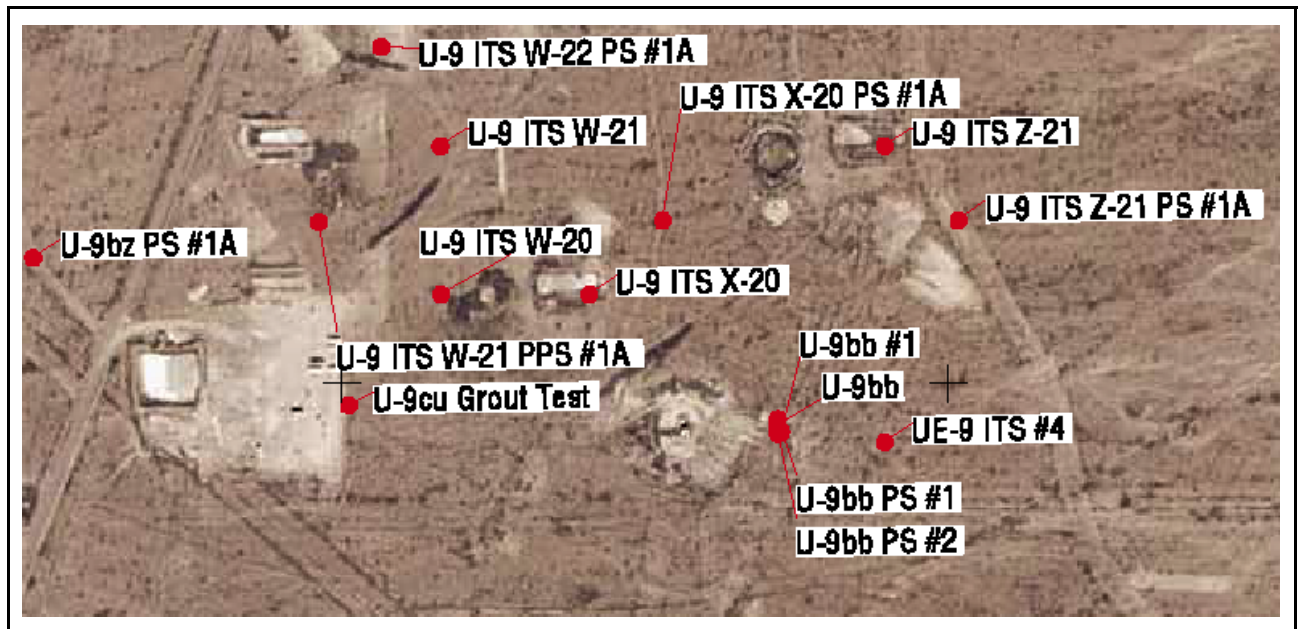


Figure 2-5
Example Orthophoto Showing Drill Holes and Mud Pits

3.0 Findings

3.1 Mud Pits Excluded From FFACO Entry

The *Mud Pit Strategy, Nevada Test Site, Nevada* (DOE/NV, 2001), excluded certain sites from FFACO entry: mud pits determined to currently exist within the FFACO (e.g., Industrial Sites Project and Defense Threat Reduction Agency [DTRA]); mud pits located within the boundaries of an existing Soils Project Corrective Action Unit (CAU); and any fluid storage sump or infiltration basin associated with UGTA drilling operations. The results are as follows:

- 71 drill holes were identified as being associated with Industrial Sites Project Corrective Action Sites (CASs) already identified in the FFACO (see [Appendix A, Table A.1-1, Drill Holes Associated with Industrial Sites Project CASs](#)).
- 2 drill holes were identified as being associated with DTRA CASs already identified in the FFACO (see [Appendix A, Table A.1-3, Drill Holes Associated with DTRA-owned CASs](#)).
- 91 drill holes were identified as being located within the boundaries of existing Soils Project CAUs. None of the potentially constructed mud pits associated with these drill holes could be verified; therefore, impact to the Life-Cycle Baseline for the Soils Project is not anticipated (see [Appendix A, Table A.1-2, Drill Holes Associated with Soils Project CAUs](#)).
- 52 fluid storage sumps or infiltration basins associated with UGTA drilling operations were identified (see [Appendix A, Table A.1-4, UGTA Fluid Storage Sumps/Infiltration Basins](#)).

In addition to the exclusions noted in the *Mud Pit Strategy, Nevada Test Site, Nevada* (DOE/NV, 2001), the drill hole reviews presented several more scenarios in which FFACO entry was not applicable or viable. These exceptions are noted below:

- 399 drill holes used no circulating media during drilling operations (see [Appendix B, Table B.1-1, Drill Holes With No Circulating Media](#)). Subsequently, no mud pit would have been constructed.
- 2,419 drill holes were reviewed and determined to have had a potential mud pit (see [Appendix B, Table B.1-2, Drill Holes with No Mud Pit Verified](#)). These mud pits, if constructed, are now covered with native soil or drilling pads. Typically testing areas were backfilled with clean fill and heavily traversed with equipment and vehicles. Once the test was complete, it was standard protocol to backfill the entire test area, essentially covering mud pits and associated surface features. Because of these disturbances, geophysical surveys would be negatively impacted and likely not effective in locating suspected mud pits. Since these potential mud pits cannot be verified, they were excluded from FFACO entry.

- 117 drill holes were reviewed and determined to have a visible mud pit partially or completely within the boundaries of a subsidence crater (see [Appendix B, Table B.1-3, Drill Holes with Mud Pits Located in Subsidence Craters](#)). In many instances, after the test was conducted, the mud pit would collapse into the subsidence crater and become disfigured, making it difficult to determine the mud pit boundaries. Due to the instability and potential radiological contamination, the subsidence craters would pose unnecessary risk to site workers; therefore, these mud pits were excluded from FFACO entry.
- 333 drill holes were reviewed and determined to have shared an associated common mud pit which would not require further review. Based on a review of historical photography and current site conditions it could be ascertained that a single mud pit was constructed to service multiple drill holes. Based on this interpretation, a single drill hole from the group was designated as being associated with a single mud pit to avoid unnecessary duplication (see [Figure 3-1](#)). Typically these drill holes were drilled in close proximity and within a few days of each other (see [Appendix B, Table B.1-4, Drill Holes with Shared Mud Pits](#)).

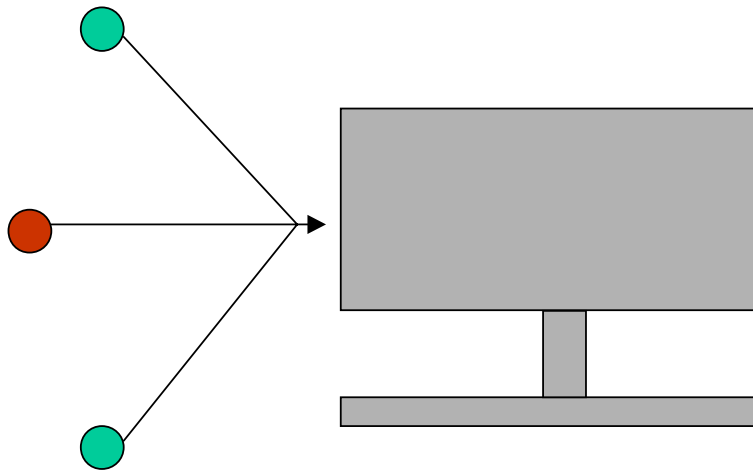
3.2 Mud Pits Proposed for FFACO Entry

There are 257 mud pits identified that have been proposed for FFACO entry. These mud pits were visibly identifiable and the majority are believed to contain drill cuttings, dried mud, and native soil associated with drilling operations. Upon entry into the FFACO, each mud pit will receive a CAS number and corresponding CAU number. It is anticipated that the groupings for the CAUs/CASs will be based on the categories and distribution described in [Section 3.3](#) of this report. The Industrial Sites Project has been designated as the owner for all 257 mud pits (see [Appendix C, NTS Mud Pits FFACO Entry Data Tables](#)).





3.3 NTS Mud Pit Distribution and Categories

The 257 mud pits proposed for FFACO entry were found in 14 separate DOE areas of the NTS (see [Figures 3-2 and 3-3](#)). These DOE areas were home to the majority of drilling operations that took place in support of underground nuclear testing at the NTS.

The *Mud Pit Strategy, Nevada* (DOE/NV, 2001), indicated that there were six categories of mud pits. [Table 3-1](#) provides the modified categorization of mud pits as proposed in the strategy document. Based on the small number of mud pits identified and similarity of exploratory and instrumentation drill holes, categories five and six were combined to become what is now category five. The new category six contains mud pits that appear to have been used for common mud disposal operations. This assumption is based on the fact that a drill hole could not be identified in the immediate area



*Not to scale

LEGEND	
	Shared drill holes, excluded for review (Table B.1-4)
	Designated drill hole associated with mud pit (Tables A-1-1, A.1-2, A-1-3, B.1-1, B.1-2, B.1-3 or Appendix C)
	Mud Pit (2 pits with weir)
	Relationship between drill holes and mud pit using a shared mud pit

**Figure 3-1
Shared Mud Pit**

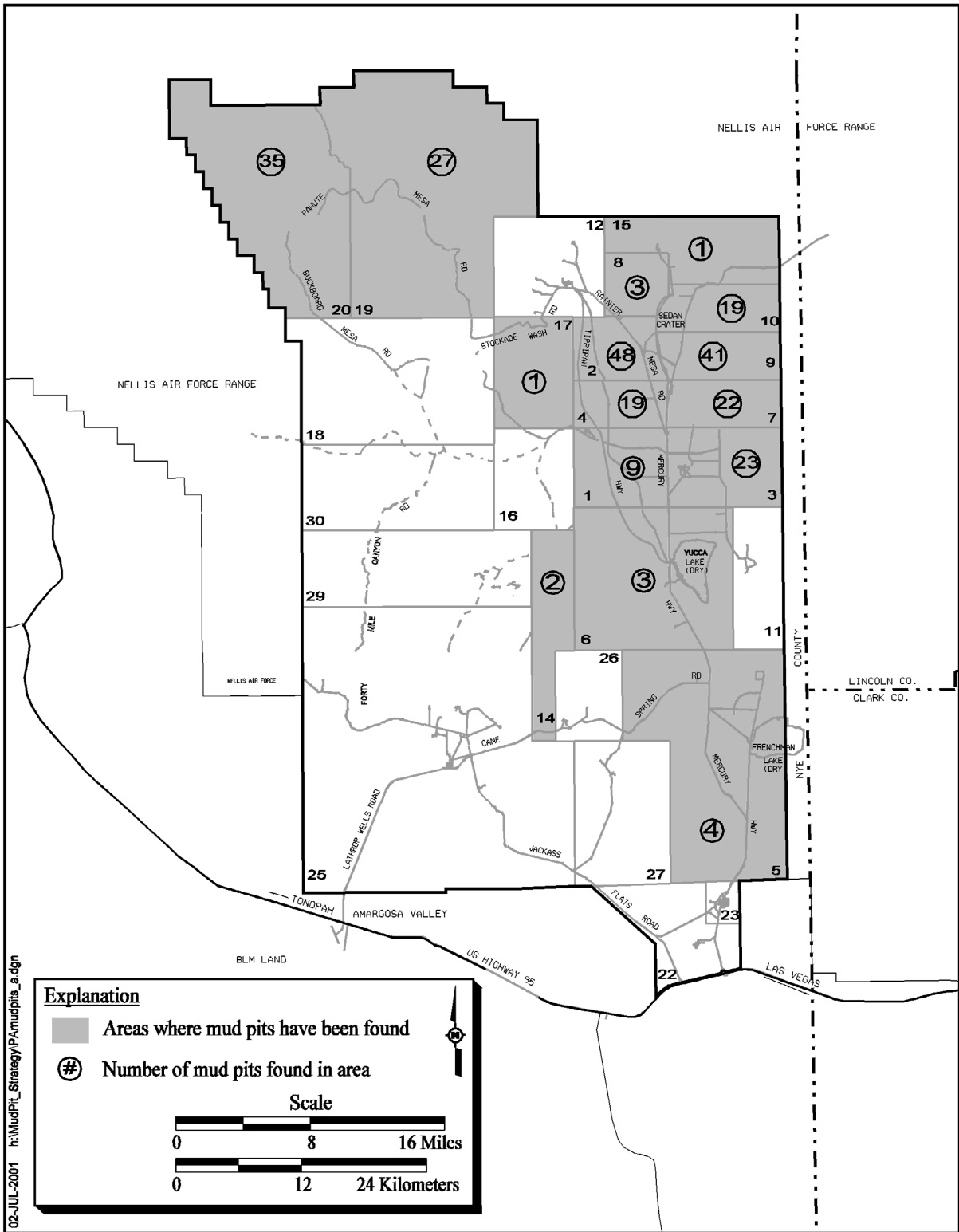


Figure 3-2
NTS Mud Pit Distribution (by DOE Area)

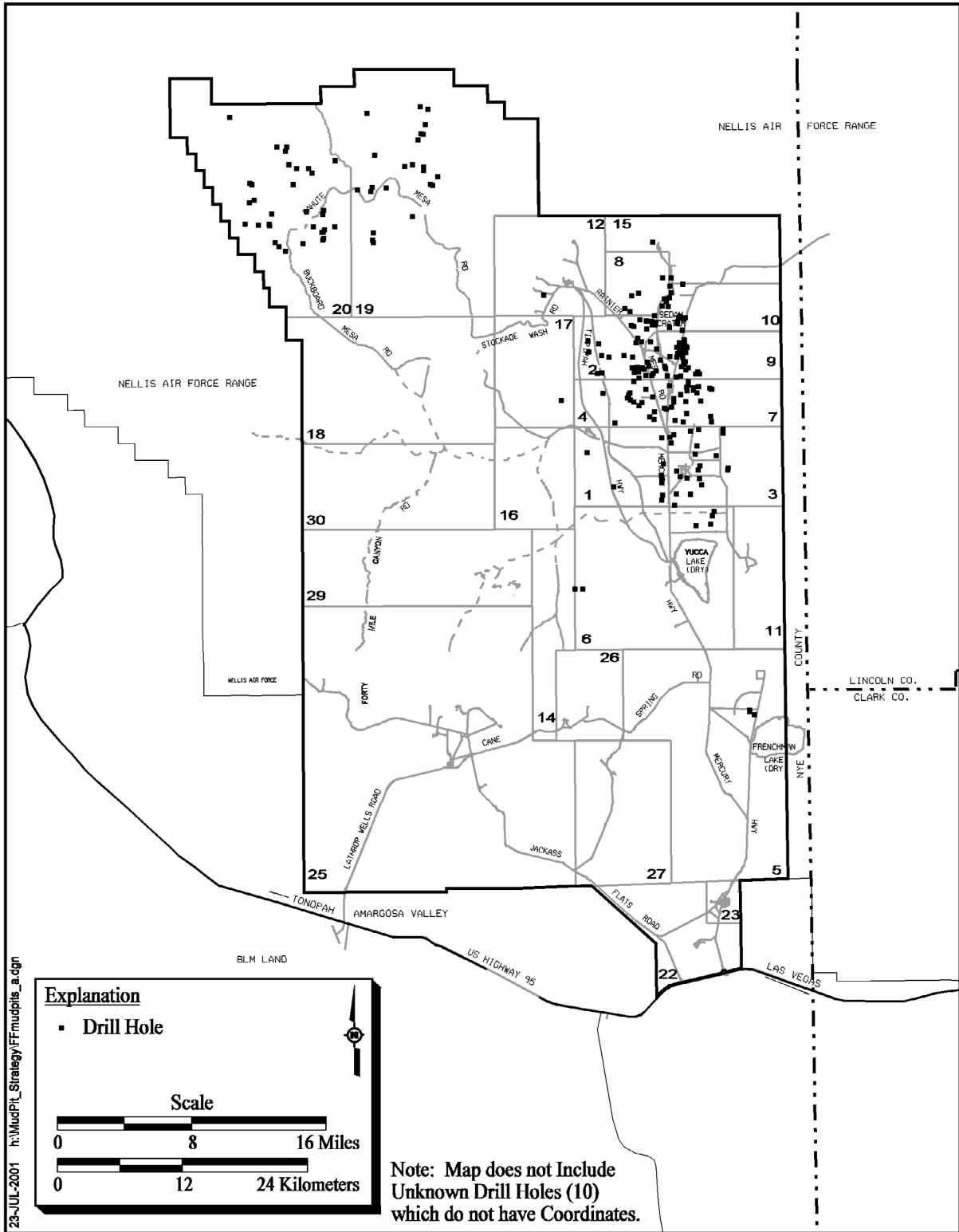


Figure 3-3
Distribution of NTS Drill Holes with Associated Mud Pits Proposed for FFAO Inclusion

**Table 3-1
Mud Pit Categories**

Mud Pit Category	Category Description	Waste Description	Type of Mud Pit System	Number of Mud Pits
1	Mud pits built to support LANL Preshot drilling operations	Drill cuttings, dried mud, and native soil	One earthen large return mud pit or two earthen mud pits with connecting trench	55
2	Mud pits built to support LANL Postshot drilling operations	Drill cuttings, dried mud, and native soil	Primarily one earthen small return mud pit	13
3	Mud pits built to support LLNL Preshot drilling operations	Drill cuttings, dried mud, and native soil	Primarily one earthen large return mud pit	80
4	Mud pits built to support LLNL Postshot drilling operations	Drill cuttings, dried mud, and native soil	Primarily one earthen small return mud pit	60
5	Mud pits built to support nonlaboratory-specific exploratory, instrumentation, and miscellaneous other drilling operations	Drill cuttings, dried mud, and native soil	Primarily one earthen small return mud pit	39
6	Mud pits built as central mud disposal sites	Drill cuttings, dried mud, and native soil	Primarily one earthen large return mud pit	10

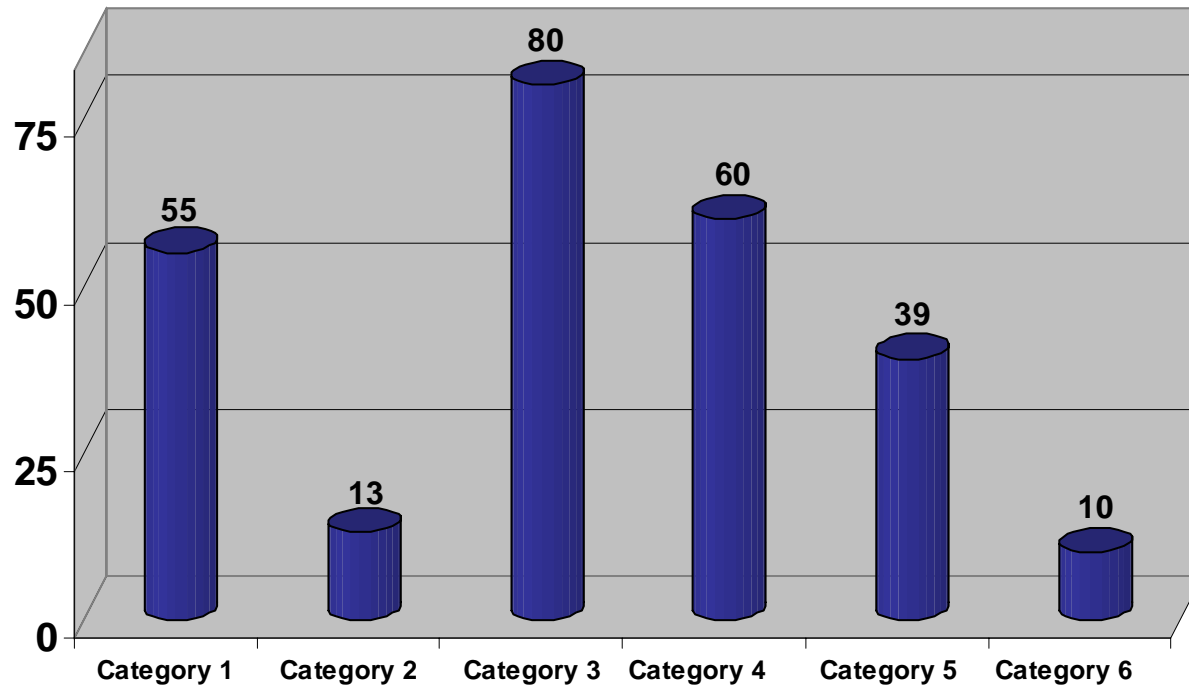
LANL = Los Alamos National Laboratory
LLNL = Lawrence Livermore National Laboratory

surrounding the mud pits; therefore, the mud pit does not appear to be associated with a specific drilling operation or test. See [Figure 3-4](#) for a graphical representation of these categories.

Each category comprises a sufficient number of mud pits to support future risk-based characterization efforts. These efforts would characterize, evaluate, and quantify the risk posed by each category of mud pits utilizing a statistical approach.

3.4 Conclusion

As described in this report, historical records and photographs were reviewed and used to determine if a mud pit would be proposed for FFACO entry. Each of the 257 mud pits proposed for FFACO entry will need to be located in the field, photographed, and documented during future Industrial Sites Project, Preliminary Assessment activities. If the field review determines that a mud pit was misidentified or improperly categorized, the appropriate FFACO modification request will be submitted for review and approval.



Category 1: Mud pits built to support LANL preshot drilling operations.

Category 2: Mud pits built to support LANL postshot drilling operations.

Category 3: Mud pits built to support LLNL preshot drilling operations.

Category 4: Mud pits built to support LLNL postshot drilling operations.

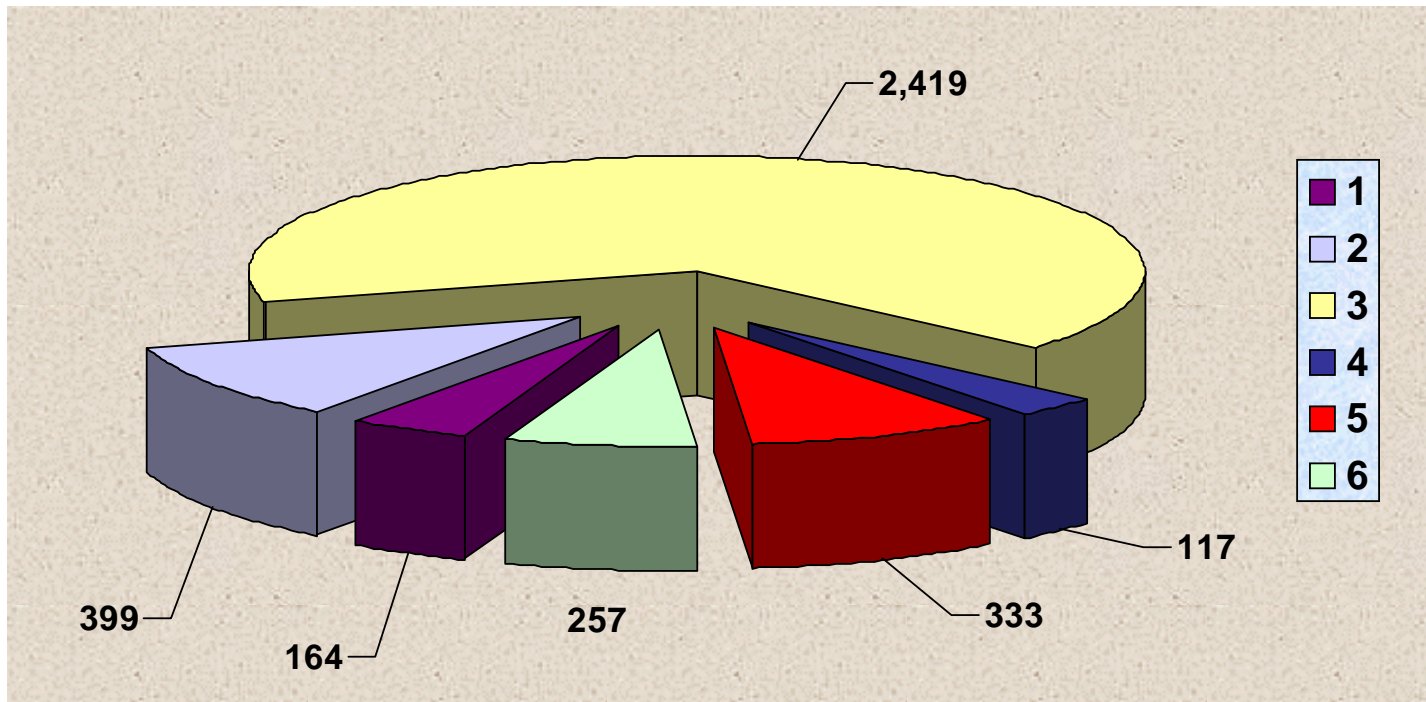
Category 5: Mud pits built to support nonlaboratory-specific exploratory, instrumentation, and miscellaneous other drilling operations.

Category 6: Mud pits built as central mud disposal sites.

LANL = Los Alamos National Laboratory
LLNL = Lawrence Livermore National Laboratory

Figure 3-4
Mud Pit Category Distribution

This document meets all of the requirements and objectives specified in the *Mud Pit Strategy, Nevada Test Site, Nevada* (DOE/NV, 2001). As stipulated in the strategy document, the NTS mud pit logic diagram was used to determine whether or not an identified mud pit would be proposed for FFACO entry. The results of the logic diagram analysis are depicted in [Figure 3-5](#).



Result 1: 164 drill holes were reviewed and determined to have an associated mud pit which is, or within the boundaries of, an existing FFACO site.

Result 2: 399 drill holes were reviewed and determined to have not used circulating media during drilling operations. Subsequently, no mud pit was constructed.

Result 3: 2,419 drill holes were reviewed and determined to have a potential mud pit covered with native soil or drilling pads and could not be verified.

Result 4: 117 drill holes were reviewed and determined to have an associated visible mud pit within the boundaries of a subsidence crater.

Result 5: 333 drill holes were reviewed that shared an associated common/single mud pit and were subsequently excluded from FFACO entry as a mud pit.

Result 6: 257 drill holes were reviewed and determined to have an associated visible mud pit not in a subsidence crater. *This is the number of mud pits proposed for FFACO entry.*

Figure 3-5
Drill/Hole Associated Mud Pit Identification Results

4.0 References

Bechtel Nevada. 1998. NTS Drillhole Ortho-photographs. Photographs taken by EG&G/EM. Las Vegas, NV.

BN, see Bechtel Nevada.

Bull R., Science Applications International Corporation. 2001. Memorandum to Industrial Sites Project, Preliminary Assessment Group. Entitled, "References Used for Mud Pit Identification," 22 June. Las Vegas, NV.

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EG&G/EM, see EG&G Energy Measurements, Inc.

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Appendix A

Drill Holes with Associated Mud Pits Excluded from FFACO Entry:

- **Industrial Sites**
- **DTRA**
- **Soils Project**
- **UGTA**

A.1.0 Drill Holes with Associated Mud Pits Excluded from FFACO Entry Based on the Criteria Contained in the Mud Pit Strategy Document

Table A.1-1, Drill Holes Associated with Industrial Sites Project CASs

Table A.1-2, Drill Holes Associated with DTRA-owned CASs

Table A.1-3, Drill Holes Associated with Soils Project CASs

The column headings are described as follows:

DOE Area: This column identifies the DOE area at the NTS where the hole is located.

Drill Hole Name: This column identifies the name given to each drill hole.

Table A.1-4, UGTA Fluid Storage Sumps/Infiltration Basins

The column headings are briefly described as follows:

Well: This column identifies the name given to each UGTA well.

Latitude: This column identifies the north/south position of the well as determined by the UGTA Project.

Longitude: This column identifies the east/west position of the well as determined by the UGTA Project.

Number of Fluid Storage Sumps/Infiltration Basins: This column identifies the number of mud pit-like structures associated with each of the holes listed.

Table A.1-1
Drill Holes Associated with Industrial Sites Project Corrective Action Sites
 (Page 1 of 2)

DOE Area	Drill Hole Name
02	U-2ay #3 PS #1A
02	U-2bc PS #1A
02	U-2dd #4 PS #1A
02	U-2bp #1 PS #1A
02	UE-2ce Water Well
02	U-2cn PS #1A
02	U-2dk PS #1A
02	U-2dc #2 PS #1A
02	U-2dc #5 PS #1A
02	U-2ay #1 PS #1A
02	U-2am PS #1A
02	U-2dn PS #1A
02	U-2ay #2 PS #1A
02	U-2dr PS #1A
02	U-2ei PS #1A
02	U-2u PS #1A
02	U-2dd #1 PS #1A
02	U-2ec-em PS #1A
02	U-2gh PS #1A
02	U-2dd #3
03	U-3kz
03	U-3La
03	U-3jv
03	U-3gi
03	U-3Ly
03	U-3ag #1
03	U-3ag #3
03	U-3ag #2
03	U-3ag #4 Rad Chem
03	U-3ag PS #2
03	U-3ag
03	U-3ag PS #1
04	U-4q PS #1A
07	UE-7bi
07	U-7bi
07	U-7n

Table A.1-1
Drill Holes Associated with Industrial Sites Project Corrective Action Sites
 (Page 2 of 2)

DOE Area	Drill Hole Name
07	UE-7L
08	U-8d PS #2A
08	U-8b PS #1A
08	U-8d PS #3A
10	U-10as
10	U-10aj G
10	U-10am #5 Experimental Hole
10	U-10bc
10	U-10v Dry Run Test Facility
12	U-12r
12	U-12r PS #1A
18	UE-18r
19	U-19ad
19	UE-19c Water Well
19	U-19av
19	U-19j
19	U-19ab PS #1A
19	U-19ar PS #1A
20	U-20bg
20	U-20aw Rack Assembly Hole
20	U-20p
20	U-20z
20	U-20aw
20	U-20m
20	U-20ac PS #1D
20	U-20ae
20	U-20ak
20	U-20b
20	U-20aa PS #1D
20	U-20am PS #1A
20	U-20m PS #1D
20	U-20az
20	U-20p PS #1D
20	U-20ab
20	U-20bc

**Table A.1-2
Drill Holes Associated with DTRA-Owned Corrective Action Sites**

DOE Area	Drill Hole Name
12	U-12E.18 PS #1
12	U-12n.20 PH #1

**Table A.1-3
Drill Holes Associated with Soils Project Corrective Action Sites
(Page 1 of 3)**

DOE Area	Drill Hole Name
10	U-10h PS #B
10	U-10h U-2
10	U-10h
10	U-10h U-64 C
10	U-10h U-64 E
10	U-10h PS #A
10	U-10h U-64 A
10	U-10h U-1
10	U-10h SA-3A
10	U-10h #3
10	U-10h S-2
10	U-10h SA-3
10	U-10h #1
10	U-10h SA-2
10	U-10h #2
10	U-10h SA-2A
10	U-10h S-1
10	U-10h U-64 D
18	U-18a-4S
18	U-18d #3
18	U-18d #2
18	U-18d #1
18	U-18a-5
18	U-18a PS #3SS
18	U-18a PS #2
18	U-18a PS #3S
18	U-18a-12

Table A.1-3
Drill Holes Associated with Soils Project Corrective Action Sites
 (Page 2 of 3)

DOE Area	Drill Hole Name
18	U-18a-11
18	U-18a-2
18	U-18a-1
18	U-18j #2
18	U-18a-6
18	U-18a-4
18	U-18d NCG 10.4
18	U-18a
18	U-18d
18	U-18d NCG 10.5
18	U-18a-3
20	U-20L #1
20	U-20u #3
20	U-20k Reentry Shaft
20	U-20k
20	U-20L
20	UE-20L-3 WES
20	U-20k #2
20	U-20u #2
20	U-20u #4
20	U-20L #2
20	U-20L #3
20	UE-20k #5 WES
20	U-20u #1
20	U-20k #1
20	UE-20L-2 WES
20	UE-20k #2 WES
20	UE-20k #3 WES
20	UE-20L-4 WES
20	U-20u
20	UE-20k #4 WES
20	UE-20u #3
20	UE-20u #2
20	UE-20k #1 WES

Table A.1-3
Drill Holes Associated with Soils Project Corrective Action Sites
 (Page 3 of 3)

DOE Area	Drill Hole Name
20	UE-20u #1
30	U-30 NX #11
30	U-30 NX #1
30	U-30 NX #15
30	U-30 NX #9
30	UE-30a #4
30	U-30 NX #3
30	UE-30a-5
30	U-30 NX #4
30	U-30 NX #7
30	U-30 NX #5
30	U-30 NX #12
30	U-30 NX #13
30	UE-30a #3
30	U-30a
30	U-30 NX #10
30	ER-30-1
30	U-30 NX #8
30	U-30e
30	U-30 NX #14
30	U-30 Seismic #2
30	U-30d
30	U-30 Seismic #1
30	U-30b
30	U-30 NX #6
30	U-30 NX #2
30	U-30a #1
30	U-30b #1
30	U-30c #1
30	U-30e #1
30	U-30d #1
30	U-30c

**Table A.1-4
UGTA Fluid Storage Sumps/Infiltration Basins**

Well Name	Latitude	Longitude	Number of Fluid Storage Sumps/Infiltration Basins
UE-10j	37.1855217	-116.0815224	3
ER-3-1	37.0192992	-115.9359106	2
ER-3-2	37.0371819	-116.0361971	2
ER-6-1	36.9844471	-115.9928629	2
ER-6-1 #1	36.98431236	-115.9928333	Shared with ER-6-1
ER-6-2	36.9610241	-116.0771286	2
ER-6-2 #1	36.96115044	-116.0762511	Shared with ER-6-2
ER-12-1	37.1848559	-116.1850932	2
ER-19-1	37.1785155	-116.2391437	2
ER-20-1	37.22245426	-116.4915038	2
ER-20-6#1-2-3	37.2602058	-116.4207701	8
ER-20-5#1-2-3	37.2200535	-116.477174	7
ER-30-1	37.0502578	-116.3161886	2
ER-5-3	36.8730912	-115.9333333	2
ER-5-4	36.82444	-115.96344	2
ER-EC-1	37.2063126	-116.5297391	2
ER-EC-2a	37.14677	-116.56827	2
ER-EC-4	37.158862	-116.631056	2
ER-EC-5	37.0845475	-116.5645606	2
ER-EC-6	37.1887703	-116.4966831	2
ER-EC-7	36.984951	-116.4776902	2
ER-EC-8	37.1028469	-116.6312812	2
ER-18-2	37.103988	-116.3728762	2

Appendix B

Drill Holes with Associated Mud Pits Excluded from FFACO Entry:

- **No Circulating Media**
- **Potential Mud Pits Not Verified**
- **Mud Pits in Craters**
- **Shared/Common Mud Pits**

B.1.0 Drill Holes with Associated Mud Pits Excluded from FFACO Entry Based on the Criteria Contained in this Report

Table B.1-1, Drill Holes with No Circulating Media

Table B.1-2, Drill Holes with No Mud Pit Verified

Table B.1-3, Drill Holes with Mud Pits Located in Subsidence Craters

Table B.1-4, Drill Holes with Shared Mud Pits

The column headings for each of these tables are described as follows:

DOE Area: This column identifies the DOE area at the NTS where the hole is located.

Drill Hole Name: This column identifies the name given to each drill hole.

Table B.1-1
Drill Holes with No Circulating Media
(Page 1 of 12)

DOE Area	Drill Hole Name
02	UE-2ev
02	U-2j CH #2
02	U-2j Shaft
02	U-2j-2 #1 Core Hole
02	U-2ar Rack Assembly Hole
02	U-2ej
02	U-2dx Crack Investigation Hole
02	U-2w
02	U-2bn
02	U-2ga
02	U-2ei Rack Assembly Hole
02	U-2db
02	U-2db Abandoned
02	U-2fe Auger Investigation Hole
02	U-2fe Crack Investigation Hole
02	U-2e
02	U-2dv Crack Investigation Hole
02	U-2m #2
02	U-2az #1 Rack Assembly Hole
02	U-2dj Rack Assembly Hole
02	U-2ao Crack Investigation Hole
02	U-2df PPS #1A
02	U-2c
02	U-2co Crack Invest. Hole #1
02	U-2co Crack Invest. Hole #2
02	U-2ff Auger Investigation Hole
02	U-2ee Auger Hole
02	U-2ag
02	U-2cb
02	U-2cL
02	Water Disposal Hole
02	U-2r Plug Test Hole
02	U-2r Stemming Hole
02	U-2r Vent Hole
02	U-2ch PPS #1A

Table B.1-1
Drill Holes with No Circulating Media
 (Page 2 of 12)

DOE Area	Drill Hole Name
02	U-2ax Rack Assembly Hole
02	U-2fb Rack Assembly Hole
02	U-2ey Rack Assembly Hole
02	U-2eq PPS #2A
02	U-2ex Rack Assembly Hole
02	U-2dq Rack Assembly Hole
02	U-2aw #1 Auger Hole
02	U-2aw #2 Auger Hole
02	U-2ed Auger Hole
02	U-2cm
02	U-2ca #1
02	U-2bw Rack Assembly Hole
02	U-2an Reentry
02	U-2da
02	U-2cr Exp. Hole #1
03	U-3amS-3S
03	U-3cc
03	U-3bg
03	U-3bg #1
03	U-3bg #2
03	U-3bg #3
03	U-3kz Rack Assembly Hole
03	U-3ft
03	U-3bq #1
03	U-3bq #2
03	U-3bq #3
03	U-3gs Ex. #1
03	U-3Ln
03	U-3bj
03	U-3bj #1
03	U-3bj #2
03	U-3bj #3
03	U-3bx #1
03	U-3bx #3
03	U-3cr

Table B.1-1
Drill Holes with No Circulating Media
(Page 3 of 12)

DOE Area	Drill Hole Name
03	U-3cr #1
03	U-3cr #2
03	U-3cr #3
03	U-3he Rack Assembly Hole #1
03	U-3fn Abandoned
03	U-3fn PPS #2D
03	U-3cn #1
03	U-3cn #2
03	U-3cn #3
03	U-3bL #1
03	U-3bL #2
03	U-3bL #3
03	U-3bt
03	U-3bt #1
03	U-3bt #2
03	U-3bt #3
03	U-3bt #4
03	U-3aa PS #1
03	U-3aa PS #2
03	U-3dr #2
03	U-3dr #3
03	U-3cp #1
03	U-3cb
03	U-3cb #1
03	U-3cb #3
03	U-3mq #1
03	UE-3ct
03	U-3as #1
03	Epoxy Test Hole
03	LANL Rack Service Hole
03	Waste Water Disposal Hole
03	U-3gp
03	U-3df
03	U-3do #1 Abandoned
03	U-3do #3 Abandoned

Table B.1-1
Drill Holes with No Circulating Media
(Page 4 of 12)

DOE Area	Drill Hole Name
03	U-3cx #1
03	U-3cx #3
03	U-3be #1
03	U-3be #2
03	U-3be #3
03	U-3be #3S
03	U-3hw
03	U-3mL #1
03	U-3cd #3
03	U-3ja PPS #1A
03	U-3by
03	U-3by #2
03	U-3by #3
03	U-3eh PPS #1A
03	U-3eh PPS #3D
03	U-3bi #1
03	U-3bi #2
03	U-3bi #3
03	U-3bp #1
03	U-3bp #2
03	U-3bp #3
03	U-3bz
03	U-3bm
03	U-3bm #1
03	U-3bm #2
03	U-3bm #3
03	U-3db #1
03	U-3db #2
03	U-3db #3
03	U-3bv
03	U-3bv #2
03	U-3ai
03	U-3ky Rack Assembly Hole
03	U-3bc #1
03	U-3bc #2

Table B.1-1
Drill Holes with No Circulating Media
 (Page 5 of 12)

DOE Area	Drill Hole Name
03	U-3bc #3
03	U-3bh
03	U-3bh #1
03	U-3bh #2
03	U-3bh #3
03	U-3me Rack Assembly Hole
03	U-3dz PPS #2D
03	U-3bk #1
03	U-3ct
03	U-3ct B-5
03	U-3ct B-6
03	U-3ct B-7
03	U-3bd #1
03	U-3bd #2
03	U-3bd #3
03	U-3ae PS #1
03	U-3ae PS #2
03	U-3ei PPS #3D
03	U-3ef #1
03	U-3bu
03	U-3bu #1
03	U-3bu #2
03	U-3bu #3
03	U-3km Rack Assembly Hole
03	U-3aw #1
03	U-3aw #2
03	U-3aw #3
03	U-3dk #1
03	U-3bw
03	U-3cy #1
03	U-3hq Ex. #1
03	U-3ds #1
03	U-3ds #2
03	U-3ds #3
03	U-3ds Abandoned

Table B.1-1
Drill Holes with No Circulating Media
(Page 6 of 12)

DOE Area	Drill Hole Name
03	U-3ak PS #5
03	U-3fa Rack Assembly Hole #1
03	U-3fa Rack Assembly Hole #2
03	U-3dg
03	U-3dg #2
03	U-3ca
03	U-3ac PS #1
03	U-3cw
03	U-3ev-2S PPS #2D
03	UC-3a
03	U-3cz
03	U-3Lp Rack Assembly Hole
04	U-4av Rack Assembly Hole
04	U-4u Rack Assembly Hole
04	U-4t Rack Assembly Hole
04	U-4k
04	UE-4g
04	U-4j PPS #2A
04	U-4j Rack Assembly Hole
04	U-4ah Rack Assembly Hole
04	U-4ab PPS #1A
04	U-4ak Rack Assembly Hole
05	U-5 GCDT #1 Disposal Facility
05	U-5 RWMS #10U
05	U-5 RWMS #7C
05	U-5 RWMS #8C
05	U-5 RWMS #9U
05	U-5 RNM #5
05	U-5 Seismic #1
05	U-5 Seismic #2
06	USGS Test Well B Ex.
06	Birdwell Test Hole
07	U-7bg Rack Assembly Hole
07	U-7x PPS #1D
07	U-7ba Nutreno Experimental Hole

Table B.1-1
Drill Holes with No Circulating Media
(Page 7 of 12)

DOE Area	Drill Hole Name
07	U-7ba Rack Assembly Hole
07	U-7az
07	UE-7n
07	U-7q
07	U-7av Rack Assembly Hole
07	U-7e #1
07	U-7e #2
07	U-7e #3
07	U-7be Experimental Hole
07	U-7be Rack Assembly Hole
07	U-7aj
07	U-7au Rack Assembly Hole
07	U-7r PPS #2D
07	U-7t PPS #2D
07	U-7y PPS #1D
08	U-8j Rack Assembly Hole
08	U-8b Rack Assembly Hole
08	UE-8g
08	U-8n Rack Assembly Hole
08	U-8k PPS #1A
09	UE-9cw
09	U-9cq Rack Assembly Hole
09	U-9ag
09	U-9am
09	U-9am #1 Zero Station
09	U-9be
09	U-9cv Rack Assembly Hole
09	U-9aj
09	U-9cn Crack Investigation
09	U-9bf
09	U-9as
09	U-9ad
09	U-9ay #2
09	U-9w #1
09	U-9cc

Table B.1-1
Drill Holes with No Circulating Media
(Page 8 of 12)

DOE Area	Drill Hole Name
09	U-9s
09	U-9 ITS Y-24 Grout Test
09	U-9bw
10	U-10bg Auger Hole #1
10	U-10bg Auger Hole #2
10	U-10bg Auger Hole #3
10	U-10bg Auger Hole #4
10	U-10an Auger Hole #1
10	U-10an Auger Hole #2
12	U-12e.07-1 Vent
12	U-12e.07-3 R/C
12	U-12e.07-4 PPS
12	U-12e.07-4S PPS
12	U-12e.07-5 PPS W/S
12	U-12e.07-6 Vent
12	U-12b.09-1 Vent
12	U-12q PS #2
12	U-12q PS #5
12	U-12q PS #6
12	U-12q PS #7
12	U-12q PS #8
12	U-12i.01-1 R/C
12	U-12i.01-2 PPS W/S
12	U-12i.01-3 PPS
12	U-12i.01-5 LOS Pinex
12	U-12j.01-1 R/C
12	U-12j.01-2 PPS
12	U-12j.01-4 Vent
12	U-12j.01-5 LOS Pinex
12	U-12n.01-2 R/C
12	U-12n.01-3 PPS
12	U-12n.01-4 PPS
12	U-12n.01-5 CH
12	U-12e.04-1 Vent
12	U-12b.08-1 Vent

Table B.1-1
Drill Holes with No Circulating Media
(Page 9 of 12)

DOE Area	Drill Hole Name
12	U-12b.08-2 R/C
12	U-12b.08-3 PS
12	U-12n.07
12	U-12e.20
12	U-12g.01-1 Vent
12	U-12g.01-2 R/C
12	U-12g.01-3s PS
12	U-12g.01-4 PPS W/S
12	U-12b.07-3 Vent
12	U-12b.07-4 PPS W/S
12	U-12n.22
12	U-12n.11
12	U-12n.12
12	U-12n.23
12	U-12n.05
12	U-12k.01-1 R/C
12	U-12k.01-4 Vent
12	U-12g.06
12	U-12b.10-1 R/C
12	U-12b.10-2 PS W/S
12	U-12b.10-4 PS
12	U-12b.10-5 PS
15	U-15 GZ #15
15	U-15 GZ #15-S
15	U-15a #32
15	U-15a #33
15	U-15a #34
15	U-15a #35
15	U-15a #37
15	U-15a #38-1
15	U-15a #38-2
15	UE-15j C-5
15	UE-15j D-1
15	UE-15j D-9
15	UE-15j E-5

Table B.1-1
Drill Holes with No Circulating Media
 (Page 10 of 12)

DOE Area	Drill Hole Name
15	UE-15j F-5
15	UE-15j G-2
15	U-15.01 PS #1V
16	U-16a PS #2 W/S
16	U-16a-1 Vent
19	U-19g PPS #2D
19	U-19g Rack Assembly Hole
19	U-19z
19	UE-19b
19	U-19f PPS #1D
19	U-19bg Rack Assembly Hole
19	U-19an Rat Hole
19	U-19ae Rack Assembly Hole
19	U-19y
19	UE-19n
19	U-19p PPS #2D
19	U-19c PS #3D
19	U-19c PS #4D
19	U-19n #1
19	U-19n #2
19	U-19n #3
20	U-20a
20	U-20aj Rack Assembly Hole
20	U-20t
20	U-20ay Rack Assembly Hole
20	U-20at Rack Assembly Hole
20	U-20ao Rack Assembly Hole
20	U-20ax Rack Assembly Hole
20	U-20ax Rack Assembly Hole #1A
20	U-20ar Rack Assembly Hole
20	U-20bb Rack Assembly Hole
20	U-20y #1
20	U-20y #1A
20	U-20y #2
20	U-20y #2A

Table B.1-1
Drill Holes with No Circulating Media
 (Page 11 of 12)

DOE Area	Drill Hole Name
20	U-20y #3
20	U-20y #3A
23	LLNL Logging Test Hole
25	U-25 TC #1
25	U-25 TC #2
25	U-25 TC #3 Seismic
25	U-25 TC #4 Seismic
25	U-25 TCi #1
25	U-25 TCi #2
25	U-25 TCi #3
25	U-25 TCi #4
25	UE-25 RF #2
25	UE-25 RF #3B
25	UE-25 UZ #4
25	UE-25 UZ #5
25	UE-25 UZN #1
25	UE-25 UZN #10
25	UE-25 UZN #12
25	UE-25 UZN #13
25	UE-25 UZN #14
25	UE-25 UZN #18
25	UE-25 UZN #19
25	UE-25 UZN #2
25	UE-25 UZN #20
25	UE-25 UZN #21
25	UE-25 UZN #22
25	UE-25 UZN #23
25	UE-25 UZN #28
25	UE-25 UZN #29
25	UE-25 UZN #3
25	UE-25 UZN #30
25	UE-25 UZN #4
25	UE-25 UZN #5
25	UE-25 UZN #56
25	UE-25 UZN #6

Table B.1-1
Drill Holes with No Circulating Media
 (Page 12 of 12)

DOE Area	Drill Hole Name
25	UE-25 UZN #60
25	UE-25 UZN #7
25	UE-25 UZN #8
25	UE-25 UZN #85
25	UE-25 UZN #9
25	UE-25 UZNC #1
25	UE-25 UZNC #2
25	UE-25 WT #15
25	UE-25 WT #17
25	UE-25 WT #4
25	UE-25c #1
25	UE-25c #2
25	UE-29 UZN #92
25	Vapor Transfer Hole

Table B.1-2
Drill Holes with No Mud Pit Verified
 (Page 1 of 65)

DOE Area	Drill Hole Name
01	UE-1g
01	UE-1h
01	UE-1j
01	U-1a C-1 Cable Hole
01	U-1a C-2 Cable Hole
01	U-1a.01
01	UE-1m Eleana
01	U-1b Expl. #1
01	UE-1a
01	UE-1b
01	UE-1c
01	UE-1d
01	UE-1e
01	UE-1f
01	UE-1k
01	Gravity High #2

Table B.1-2
Drill Holes with No Mud Pit Verified
(Page 2 of 65)

DOE Area	Drill Hole Name
01	U-1c
02	U-2n
02	U-2n #1
02	U-2n PS #1A
02	U-2n PS #1D
02	U-2v
02	U-2v #1
02	U-2v PS #1D
02	U-2ev
02	U-2L
02	U-2L PS #3
02	U-2L PS #4
02	U-2es
02	U-2es PS #1A
02	U-2es PS #2A
02	U-2a
02	U-2a PS #1A
02	U-2j CH #1
02	U-2j Expl. Hole
02	U-2j PS #1A
02	U-2j PS #2A
02	U-2j-2 #2 Core Hole
02	U-2j-4 Instrument
02	U-2j-5 Instrument
02	U-2du
02	U-2dd #3 PS #1A
02	U-2dd #2 PS #1A
02	U-2ar
02	U-2ar PS #1A
02	UE-2ar Inst.
02	U-2dz
02	U-2dz PS #1A
02	UE-2dz
02	U-2ge
02	U-2bo #1 PS #1A
02	U-2bo #2 PS #1A
02	U-2ew
02	U-2cp

Table B.1-2
Drill Holes with No Mud Pit Verified
(Page 3 of 65)

DOE Area	Drill Hole Name
02	U-2cp PS #1A
02	U-2cp PS #2A
02	U-2dr
02	U-2av PS #1A
02	U-2av PS #2A
02	U-2dd #4
02	U-2h
02	U-2h PS #1
02	U-2h PS #2
02	U-2h PS #3
02	U-2h PS #4
02	U-2h PS #5
02	U-2dg
02	U-2dg PS #1A
02	U-2ad
02	U-2ad #1
02	U-2ad PS #1A
02	U-2ak
02	U-2ak #1
02	U-2ak PS #1A
02	U-2dL PS #1A
02	U-2di
02	U-2di PPS #1A
02	U-2bn PS #1A
02	U-2et
02	U-2et PS #1A
02	U-2ek
02	U-2ek PS #1A
02	UE-2ek
02	U-2as
02	U-2as PS #1D
02	U-2aa
02	U-2aa #1
02	U-2aa Abandoned
02	U-2aa PS #1
02	U-2aa PS #2
02	U-2aa PS #3
02	U-2aa PS #4

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
02	U-2de
02	U-2de PS #1A
02	UE-2a
02	U-2am
02	U-2am #1
02	U-2am PS #2A
02	U-2gaS
02	U-2ei
02	U-2q
02	U-2dw
02	U-2dw PS #1D
02	U-2db #1
02	U-2db PS #1A
02	UE-2b
02	U-2fe
02	U-2fe PS #1A
02	UE-2ab
02	U-2e PS #1
02	U-2e PS #2
02	U-2e PS #3
02	U-2e PS #4
02	U-2eu
02	U-2eu PS #1A
02	U-2ai
02	U-2ai #1
02	U-2ai PS #1A
02	U-2ai PS #1D
02	U-2t
02	U-2t PS #1A
02	U-2t PS #1A Abandoned
02	U-2dy
02	U-2dy PS #1A
02	U-2ap
02	U-2ap PS #1A
02	U-2aL
02	U-2aL PS #1A
02	U-2fc
02	U-2dv

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
02	U-2dv PS #1A
02	U-2fa PS #1A
02	U-2z #3
02	UE-2fa
02	UE-2fa #1
02	U-2m #1 Emplacement Hole
02	U-2m PS #1A
02	U-2az #1
02	U-2az #1 PS #1A
02	U-2az #1 PS #2A
02	U-2az #2 PS #1A
02	U-2dj
02	UE-2dj/Inst.
02	U-2ao
02	U-2ao PS #1A
02	U-2do PS #1A
02	U-2cq
02	U-2cq PS #1A
02	U-2ef
02	U-2ef PS #1A
02	U-2bf
02	U-2bf PS #1A
02	U-2bL
02	U-2bL PS #1A
02	U-2ds PS #1A
02	U-2br
02	U-2br PS #1A
02	U-2cg
02	U-2cg PS #1A
02	U-2bx
02	U-2bx PS #1A
02	U-2y
02	U-2y PS #1A
02	U-2df
02	U-2df PS #1A
02	U-2df PS #3A
02	U-2au PS #1A
02	U-2bj

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
02	U-2bj PS #1A
02	U-2gg
02	U-2gg PS #1A
02	U-2gg PSE #3A
02	U-2er
02	U-2dh #3
02	U-2dh #3 PS #1A
02	U-2cu
02	U-2cu PS #1A
02	U-2af
02	U-2af #1 Rad Chem
02	U-2af #2
02	U-2af PS #1
02	U-2af PS #2
02	U-2af PS #3
02	U-2c PS #1A
02	U-2eo
02	U-2eo PS #1A
02	UE-2aa
02	U-2 Unknown #1
02	U-2at
02	U-2at PS #1A
02	U-2at PS #2A
02	U-2co
02	U-2co PS #1A
02	U-2bq #1 Zero Station
02	U-2bq #2 Zero Station
02	U-2ff
02	U-2ff PS #1A
02	U-2ba
02	U-2x
02	U-2x #1
02	U-2x #1 Seismic
02	U-2x PS #1D
02	U-2bm
02	U-2bm PS #1A
02	U-2eh
02	U-2eh PS #1A

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
02	UE-2eh
02	U-2dm PS #1A
02	U-2cs
02	U-2cs PS #1A
02	U-2eL
02	U-2eL PS #1A
02	U-2dn
02	U-2gh
02	U-2bt
02	U-2bu
02	U-2bu PS #1A
02	U-2bk
02	U-2bk Grout Test Experiment
02	U-2f
02	U-2f PS #2
02	U-2f PS #3
02	U-2f PS #4
02	U-2ep
02	U-2ep PS #1A
02	UE-2ep
02	U-2be
02	U-2be PS #1A
02	Gravity High #1
02	Jangle Test Hole #A2
02	Water Well 2 (USGS HTH #2)
02	U-2bi
02	UE-2v (U-8a #12)
02	U-2u
02	U-2u #1
02	UE-2y Seismic #1
02	UE-2y Seismic #2
02	UE-2y Seismic #3
02	UE-2y/Inst.
02	U-2gb
02	U-2gb PS #1A
02	U-2p
02	U-2p #1
02	U-2p PS #1A

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
02	U-2p PS #1V
02	U-2p PS #2A
02	U-2bc
02	U-2r
02	U-2r PS #1A
02	U-2ch
02	U-2ci
02	U-2ci PS #2A
02	U-2cj PS #1A
02	U-2by
02	U-2by PPS #1A
02	U-2ah
02	U-2ah PPS #2A
02	U-2ah PS #1A
02	U-2ax
02	U-2ax #1
02	U-2ax #2
02	U-2ax #3
02	U-2ax PS #1A
02	U-2ax Test Hole (Perm)
02	UE-2ax
02	UE-2ax #2
02	U-2eb
02	U-2eb PS #1A
02	U-2bv
02	U-2fb PS #1A
02	UE-2fb
02	U-2en
02	U-2en PS #1A
02	UE-2en
02	UE-2en #1
02	U-2ey
02	U-2eq
02	U-2eq PS #1A
02	U-2eq PS #1D
02	U-2eq PS #3A
02	U-2eq PS #4A
02	U-2eg

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
02	U-2eg PS #1A
02	U-2eg PS #2A
02	U-2ex
02	U-2ex PS #1A
02	U-2z #2
02	U-2g
02	U-2g PS #1
02	U-2g PS #2
02	U-2g PS #3
02	U-2g PS #4
02	U-2g PS #5
02	U-2g PS #6
02	U-2dq
02	U-2dq PS #1A
02	U-2cc
02	U-2cc PS #1A
02	U-2gf
02	U-2bh
02	U-2bh PS #1A
02	U-2bp #1 PS #2A
02	U-2bp #2 PS #1A
02	U-2b
02	U-2b PS #1
02	U-2b PS #2
02	U-2aw
02	U-2aw #1
02	U-2aw PS #1A
02	UE-2aw/Inst.
02	U-2bs
02	U-2bs PS #1D
02	U-2z #1
02	U-2cm-S PS #1A
02	UE-2s/Inst.
02	U-2ca
02	U-2ca PS #1A
02	UE-2u (U-2ca #1)
02	U-2bw
02	U-2bw PS #1A

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
02	U-2dh #1
02	U-2dt
02	U-2dt PS #1A
02	U-2an
02	U-2an PS #1A
02	U-2fd PS #1A
02	U-2fd PS #2A
02	U-2ab
02	U-2ab #1
02	U-2ab PS #1A
02	U-2ab PS #2A
02	U-2bg
02	U-2bg PS #1A
02	U-2cd
02	U-2cd PS #1A
02	U-2dc #4 PS #1A
02	U-2dc #3 PS #1A
02	U-2dc #1 PS #1A
02	U-2bd
02	U-2bd #1
02	U-2bd #2
02	U-2bd #3
02	U-2bd #4
02	U-2bd PS #1A
02	U-2bd PS #2A
02	U-2bz
02	U-2bz PS #1A
02	U-2cr
02	U-2cr PS #1A
02	U-2ay #3 Zero Station
02	U-2ay #1 Zero Station
02	U-2ay #2 Zero Station
02	U-2dk
03	U-3am
03	U-3amS
03	U-3amS PPS #3
03	U-3amS PPS #4
03	U-3amS PPS #5

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3amS PS #1
03	U-3amS PS #2
03	U-3amS PS #6
03	U-3amS-1
03	U-3amS-2
03	U-3amS-3
03	U-3amS-4
03	U-3ccA
03	U-3gx
03	U-3gx PS #1D
03	U-3mn
03	U-3mc
03	U-3mc PS #1A
03	U-3ep
03	U-3bg PS #1
03	U-3bg PS #2
03	U-3fw
03	U-3fw PS #1A
03	U-3mi
03	U-3ao
03	U-3ao #1
03	U-3ao PPS #3
03	U-3ao PS #1
03	U-3ao PS #2
03	U-3gd C-1 Cable Hole
03	U-3gd PS #1A
03	U-3kz PS #1A
03	U-3kz PS #2A
03	UE-3e
03	UE-3e #2
03	UE-3e #4
03	U-3jn
03	U-3jn Ex. #1/Inst.
03	U-3jn PS #1D
03	U-3gj
03	U-3gj PS #1A
03	UE-3mo #1
03	UE-3mo #2

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	UE-3mo #3
03	UE-3mo #4
03	U-3bq
03	U-3bq PS #1
03	U-3bq PS #2
03	U-3bq PS #3
03	U-3bq PS #4
03	U-3jg PS #1D
03	U-3gs
03	U-3gs Ex. #2/Inst.
03	U-3gs PS #1A
03	U-3ar
03	U-3ar #1
03	U-3ar #3
03	U-3ar PPS #3
03	U-3ar PPS #4
03	U-3ar PS #1
03	U-3ht
03	U-3ht Ex. #1
03	U-3ht PS #1A
03	U-3fl
03	U-3fx
03	U-3fx #1
03	U-3fx PS #1A
03	U-3jh
03	U-3jh PS #1A
03	U-3bj PS #2A
03	U-3bj PS #3
03	U-3bj PS #4
03	U-3bj PS #5
03	U-3bx
03	U-3bx #1V Test Hole
03	U-3bx #2
03	U-3bx PPS #1D
03	U-3bx PPS #2A
03	U-3bx PS #1A
03	U-3bx PS #1V
03	U-3cr PS #3

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3cr PS #4
03	U-3he
03	U-3he PS #1A
03	U-3gc
03	U-3gc PS #1A
03	U-3gq
03	U-3fn
03	U-3fn PS #1D
03	U-3br
03	U-3br PPS #1D
03	U-3br PS #2D
03	U-3jy
03	U-3jy PS #1A
03	U-3n
03	U-3n PS #1V
03	U-3fu
03	U-3fu PPS #1A
03	U-3cn
03	U-3cn #4 HTH
03	U-3cn #5 BILBY Hydrologic Test
03	U-3cn PS #1
03	U-3cn PS #1S
03	U-3cn PS #2
03	U-3cn PS #3
03	U-3kc
03	U-3kc PS #1A
03	U-3gt
03	U-3cu
03	U-3cu #1
03	U-3cu PS #1A
03	U-3cu PS #1D
03	U-3cu PS #1V
03	U-3cu PS #2A
03	U-3bL
03	U-3bL #3S
03	U-3bL PS #1
03	U-3bL PS #2
03	U-3jb PS #1D

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3gv PS #1A
03	U-3bt #5
03	U-3bt PS #1
03	U-3bt PS #2
03	U3aa
03	U-3ce
03	U-3dr
03	U-3dr #1
03	U-3dr #4
03	U-3dr PPS #1D
03	U-3dr PS #1A
03	U-3La PS #1A
03	UE-3e #3
03	U-3mk PS#1A
03	U-3eq
03	U-3eq #1
03	U-3eq PS #1A
03	U-3dh
03	U-3dh #1
03	U-3dh #4
03	U-3dh PPS #1D
03	U-3dh PS #2D
03	U-3dh PS #3D
03	U-3cs
03	U-3cs #1
03	U-3kx PS #1A
03	U-3fq
03	U-3fq PS #1A
03	U-3cp
03	U-3cp #2
03	U-3cp PS #1D
03	U-3cp PS #2D
03	U-3jj
03	U-3cb #2
03	U-3cb PS #3
03	U-3cb PS #4
03	U-3hr
03	U-3hr PPS #1A

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3bn
03	U-3bn #1
03	U-3bn PPS #1A
03	U-3bn PS #1V
03	U-3jc
03	U-3jc Ex. #1/Inst.
03	U-3jc PS #1A
03	U-3eu
03	U-3eu #1
03	U-3eu PPS #2A
03	U-3eu PS #1A
03	U-3kk PS #1A
03	U-3Lz
03	U-3Lz PS #1A
03	U-3as
03	U-3as #2
03	U-3as PS #1
03	U-3as PS #2
03	LANL Yard Dry Well
03	Test Hole #1
03	Test Hole #2
03	Test Hole #3
03	Test Hole #4
03	Test Hole #5
03	Test Hole #6
03	Test Hole #7
03	Test Hole #8
03	Test Hole #9
03	Test Well #7 (HTH)
03	U-3ay
03	U-3ay PS #1
03	U-3ay PS #2
03	U-3cL
03	U-3cm
03	USGS HTH E
03	U-3es
03	U-3es #1
03	U-3es PS #1A

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3dm
03	U-3dm #1
03	U-3dm PPS #1A
03	U-3dm PPS #2A
03	U-3dm PPS #3A
03	U-3kr Anchor Hole
03	U-3kr PS #1A
03	U-3Lo PS #1A
03	U-3fm
03	U-3fm PS #1A
03	U-3k
03	U-3k PS #1V
03	U-3hv
03	U-3hv PS #1A
03	U-3kn PS #1A
03	U-3ha
03	U-3ha PS #1A
03	U-3df #1
03	U-3df PS #1A
03	U-3df PS #1D
03	U-3df PS #1V
03	U-3Lw PS #1A
03	U-3d0 #2 Abandoned
03	U-3do
03	U-3do #1
03	U-3do PPS #1D
03	U-3do PPS #2D
03	U-3ki PS #1D
03	U-3hx
03	U-3hx Ex. #1/Inst.
03	U-3hx PS #1A
03	U-3af
03	U-3af PS #1
03	U-3af PS #2
03	U-3af PS #3
03	U-3af PS #4
03	U-3af PS #5
03	U-3af PS #6

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3af PS #8R
03	U-3jt
03	U-3jt Ex. #1/Inst.
03	U-3jt PS #1A
03	U-3hi-a
03	U-3hi-b
03	U-3gz
03	U-3gz PS #1D
03	U-3gz PS #2D
03	U-3cx
03	U-3cx #2
03	U-3cx PS #1A
03	U-3cx PS #1D
03	U-3cx PS #1V
03	U-3cx PS #2V
03	U-3be
03	U-3be PS #1
03	U-3kd PS #1A
03	U-3hs
03	U-3jz
03	U-3mL
03	U-3mL PS #1A
03	U-3aq
03	U-3aq #1
03	U-3aq PS #3
03	U-3aq PS #4
03	U-3aq PS #5
03	U-3az
03	U-3az PS #1
03	U-3cd #2
03	U-3cd PS #1A
03	U-3cd PS #1D
03	U-3Lv
03	U-3Lv PS #1A
03	U-3hy
03	U-3hy PPS #1A
03	U-3hy PS #1D
03	U-3hd

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3hd Ex. #1/Inst.
03	U-3hd PS #1A
03	U-3ab
03	U-3ab PS #1
03	U-3ja
03	U-3eo
03	U-3eo PS #1A
03	U-3bf
03	U-3bf #1
03	U-3bf PS #1
03	U-3bf PS #4
03	U-3bf PS #5
03	U-3by #1
03	U-3by PS #1
03	U-3by PS #3
03	U-3gb
03	U-3gb PS #1A
03	U-3gb Rack Assembly Hole #1
03	U-3du
03	U-3du #1
03	U-3du PPS #2A
03	U-3du PS #1A
03	U-3ah
03	U-3ah #1
03	U-3ah #4
03	U-3ah #5
03	U-3ah #6
03	U-3ah #7
03	U-3ah PS #1
03	U-3ah PS #2
03	U-3fr
03	U-3Lg PS #1A
03	U-3kf
03	U-3kf PS #1A
03	UE-3kf
03	U-3kw PS #1A
03	U-3jw
03	U-3ju

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3hf
03	U-3hf PS #1A
03	U-3hz Ex. #1
03	U-3hz PS #1A
03	U-3ga
03	U-3ga PS #1A
03	U-3eh
03	U-3eh #1
03	U-3eh Ex. #1
03	U-3eh PPS #1D
03	U-3eh PPS #2D
03	U-3bi
03	U-3bp
03	U-3bp PS #1
03	U-3bp PS #2
03	U-3bp PS #3
03	U-3ew
03	U-3ew PPS #1A
03	U-3ew PS #2A
03	U-3ex
03	U-3ex PS #1A
03	U-3bz #1
03	U-3bz PS #1
03	U-3di
03	U-3di #1
03	U-3di PS #1A
03	U-3di PS #1D
03	U-3bm PPS #3
03	U-3bm PS #1
03	U-3bm PS #2
03	U-3bm PS #4
03	U-3db
03	U-3db PS #1
03	U-3db PS #3
03	U-3dL
03	U-3dL #1
03	U-3dL Ex. #1
03	U-3dL PS #1D

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3dL PS #2D
03	U-3bv #3
03	U-3bv PS #1
03	U-3bv PS #3
03	U-3fz PS #1A
03	U-3au
03	U-3auS
03	U-3auS #1
03	U-3auS #4
03	U-3auS PS #1
03	U-3auS PS #2
03	U-3ai #1
03	U-3ai #2S
03	U-3ai PPS #1
03	U-3ai PPS #4
03	U-3ai PPS #4S
03	U-3ai PS #1
03	U-3ai PS #2
03	U-3ai PS #3
03	U-3ai PS #4
03	UD-3a (#1)
03	U-3cf
03	U-3gm
03	U-3gm PPS #1D
03	U-3gm PS #1A
03	U-3je
03	U-3je PS #1A
03	UE-3c
03	UE-3d
03	U-3ky
03	U-3bc
03	U-3bc PPS #3
03	U-3bc PPS #4
03	U-3bc PPS #5
03	U-3bc PS #1
03	U-3bc PS #3
03	U-3bc PS #3a
03	UD-3d (#4)

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3bh PS #1S
03	U-3hk-a
03	U-3hk-b
03	U-3kj PS #1A
03	U-3hh
03	U-3hh PS #1A
03	U-3hp PS #1D
03	U-3at
03	U-3at #1
03	U-3at PS #1
03	U-3at PS #2
03	U-3at PS #3
03	U-3hb
03	U-3hb Ex. #1
03	U-3hb PS #1A
03	U-3jm
03	U-3hu
03	U-3hu PPS #1A
03	U-3hu PS #2A
03	U-3dd
03	U-3dd #1
03	U-3dd PS #1A
03	U-3dd PS #1D
03	U-3dd PS #2D
03	U-3et
03	U-3et #1
03	U-3et PPS #1A
03	U-3et PS #2A
03	U-3me PS #1A
03	U-3fb
03	U-3fb #1
03	U-3fb PS #1A
03	U-3dz
03	U-3dz #1
03	U-3dz PPS #1A
03	U-3dz PS #1D
03	U-3er
03	U-3er #1

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3er #4
03	U-3er PS #1A
03	U-3gw
03	U-3fd
03	U-3fd Ex. #1/Inst.
03	U-3fd PS #1D
03	U-3fg
03	U-3fe
03	U-3fe PPS #1D
03	U-3fe PS #2D
03	U-3mt PS #1A
03	U-3m
03	U-3fv
03	U-3fv PS #1A
03	U-3fv PS #2A
03	U-3gr
03	U-3gr PS #1A
03	U-3kb PS #1D
03	U-3bk
03	U-3bk #2
03	U-3bk PS #1
03	U-3bk PS #3
03	U-3bk Reentry
03	U-3dp
03	U-3dp #1
03	U-3dp PPS #2A
03	U-3dp PPS #2D
03	U-3dp PS #1A
03	U-3dp PS #1D
03	U-3ct #1
03	U-3ct B-1
03	U-3ct B-2
03	U-3ct B-3
03	U-3ct B-4
03	U-3ct PS #1A
03	U-3ct PS #1D
03	U-3bd
03	U-3bd PS #1

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3gu
03	U-3jd
03	U-3jd PS #1A
03	U-3ae
03	U-3cv
03	U-3cv #1
03	U-3cv PS #1V
03	U-3cv PS #3
03	U-3cv PS #5
03	U-3ed
03	U-3ed #1
03	U-3ed PPS #2A
03	U-3ed PS #1A
03	U-3Li
03	U-3Lk
03	U-3Lk PS #1A
03	U-3fp
03	U-3jq
03	U-3jq Ex. #1/Inst.
03	U-3jq PS #1D
03	U-3ei
03	U-3ei PPS #2D
03	U-3ei PS #1D
03	U-3Ls
03	U-3dq
03	U-3dx
03	U-3dx #1
03	U-3dx PS #1A
03	U-3dx PS #2A
03	U-3ef
03	U-3ef #2
03	U-3ef PPS #1A
03	U-3ef PS #2A
03	U-3fi
03	U-3gL
03	U-3gL PPS #1A
03	U-3gL PS #2A
03	U-3bu PS #1

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3bu PS #2
03	U-3bu PS #3
03	U-3bu PS #3S
03	U-3bu PS #4
03	U-3km PS #1A
03	U-3jp
03	U-3jp PS #1A
03	U-3ec
03	U-3ks
03	U-3ks PS #1A
03	U-3js
03	U-3js PS #1A
03	U-3q
03	U-3ax
03	U-3ax #1
03	U-3ax #4
03	U-3ax PPS #3
03	U-3ax PPS #4
03	U-3ax PPS #5
03	U-3ax PS #1
03	U-3ax PS #2
03	U-3ax PS #6
03	U-3aw
03	U-3aw PS #2
03	UD-3e (#5)
03	U-3ji
03	U-3ji PPS #1A
03	U-3aL
03	U-3al PPS #3
03	U-3al PPS #5
03	U-3al PS #2
03	U-3al PS #4
03	U-3aL-1
03	U-3fo
03	UD-3b (#2)
03	U-3mg PS #1A
03	U-3dk
03	U-3dk PS #1A

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3j
03	U-3j PS #1V
03	U-3d
03	U-3e
03	U-3e PS #1V
03	U-3e PS #2V
03	U-3bb
03	U-3bb #1
03	U-3bb PS #1
03	U-3bb PS #1S
03	U-3bb PS #2
03	U-3hg
03	U-3hg Ex. #1/Inst.
03	U-3hg PS #1D
03	U-3bw PS #1
03	U-3bw PS #3
03	U-3hL
03	U-3hl PS #1A
03	U-3dn
03	U-3dn PPS #1A
03	U-3dn PS #3A
03	U-3dy
03	U-3dy #1
03	U-3dy #2
03	U-3dy #3
03	U-3dy PPS #2A
03	U-3dy PS #1A
03	U-3fc
03	U-3fc PPS #2D
03	U-3fc PS #1D
03	U-3cy
03	U-3cy PS #3
03	U-3aj
03	U-3co
03	U-3co #1
03	U-3co PS #3
03	U-3co PS #4
03	U-3co Re-entry

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3eL
03	U-3eI PPS #1D
03	U-3ad
03	U-3ad PS #1
03	U-3ad PS #2
03	U-3ad PS #3
03	U-3ad PS #3S
03	U-3ad-1 Rad Chem
03	U-3gn
03	U-3gn PS #1A
03	U-3ff
03	U-3ff Ex. #1
03	U-3ff PPS #1A
03	U-3ee
03	U-3ee #1
03	U-3ee PPS #2A
03	U-3ee PS #1A
03	U-3eg
03	U-3hq
03	U-3hq PPS #1A
03	U-3hq PS #2A
03	U-3bs
03	U-3bs #1
03	U-3bs PS #1D
03	U-3bs PS #2D
03	U-3kg
03	U-3ds
03	U-3ds PS #1A
03	U-3ds PS #1D
03	U-3jl PS #1D
03	U-3ajS
03	U-3ajS PPS #3
03	U-3ajS PPS #4
03	U-3ajS PPS #5
03	U-3dv Ex. #1
03	U-3jv PS #1A
03	U-3ak
03	U-3ak PPS #1

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3ak PS #10
03	U-3ak PS #11
03	U-3ak PS #2
03	U-3ak PS #2S
03	U-3ak PS #3
03	U-3ak PS #4
03	U-3ak PS #9
03	U-3ak-1
03	U-3Lc
03	U-3p
03	U-3ge
03	U-3ge Ex. #1
03	U-3ge Ex. #2
03	U-3ge PPS #1A
03	U-3ge PS #2A
03	U-3ch
03	U-3ch #1
03	U-3ch PS #1
03	U-3ch PS #2
03	U-3fa
03	U-3fa PS #1A
03	U-3cq
03	U-3da
03	U-3daS
03	U-3daS #1
03	U-3daS #2
03	U-3daS #3
03	U-3daS #4
03	U-3daS PPS #1D
03	U-3daS PS #1A
03	U-3daS PS #1V
03	U-3daS PS #2D
03	U-3daS PS #2V
03	U-3gh
03	U-3gh PS #2A
03	U-3ci
03	U-3dg #1
03	U-3dg PPS #2D

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3dg PS #1A
03	U-3dg PS #1D
03	U-3hj PS #1D
03	U-3kp PS #1D
03	U-3hk-d
03	U-3hk-e
03	U-3hk-f
03	U-3hk-c
03	U-3en
03	U-3en #1
03	U-3en PPS #2A
03	U-3en PS #1A
03	U-3fk
03	U-3fk PPS #1D
03	U-3Lm PS #1A
03	U-3jf
03	U-3jf PS #1A
03	U-3gk
03	U-3gk PS #1A
03	U-3ac
03	U-3ac PS #2
03	U-3ez
03	U-3ez PS #1A
03	U-3kh
03	U-3cj
03	U-3cj #1
03	U-3cj #2
03	U-3cj #3
03	U-3cj PPS #1A
03	U-3cj PPS #2A
03	U-3cj PS #3A
03	U-3ev #9 Destem Test Hole
03	U-3ev-2
03	U-3ev-2S PPS #1D
03	U-3ev-2S Zero Station
03	U-3ev-5 Cable Hole
03	U-3ev-6 Cable Access
03	U-3ev-PS-1 Surveillance Hole

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	UE-3ev-2S Ex. #1
03	U-3jx
03	U-3cz #3
03	U-3cz PS #3
03	U-3cz Test Hole
03	U-3dc Experimental Hole
03	U-3jr
03	U-3jr PS #1A
03	U-3hc PS #1A
03	U-3fy
03	U-3fy PS #1A
03	U-3fh
03	U-3fh #1
03	U-3fh PS #1A
03	U-3ap
03	U-3ap #1
03	U-3ap PS #3
03	U-3ap PS #5
03	U-3bo
03	U-3bo #1
03	U-3bo #3
03	U-3bo PS #3
03	U-3bo PS #4
03	U-3mf PS #1A
03	U-3mf PS #2A
03	UE-3mf/Inst.
03	U-3eb
03	U-3go
03	U-3go PS #1A
03	U-3cg
03	U-3Lh PS #1A
03	U-3ba
03	U-3ba #1
03	U-3ba PS #1
03	U-3ba PS #2
03	U-3ba PS #3
03	U-3dw
03	U-3dw PS #1A

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3ek
03	U-3ek PPS #1A
03	U-3ek PS #1V
03	U-3ek PS #2A
03	UE-3a
03	U-3fj
03	U-3fj PS #1A
03	U-3LL PS #1A
03	U-3gg PS #1A
03	UE-3b
03	U-3Lj
03	U-3Lj PS #1A
03	U-3dj
03	U-3dj #1
03	U-3dj PS #1A
03	U-3dj PS #1D
03	U-3dj PS #2A
03	U-3dj PS #2D
03	U-3hn
03	U-3ho
03	U-3hm
03	U-3hm PPS #1A
03	U-3gi Ex. #1
03	U-3gi PS #1A
03	U-3de
03	U-3dt
03	U-3dt #1
03	U-3dt PS #1A
03	U-3em
03	U-3em #1
03	U-3em PPS #2A
03	U-3em PS #1A
03	U-3r
03	U-3r PS #1V
03	U-3Lr PS #1A
03	U-3jk
03	U-3jk Ex. #1/Inst.
03	U-3jk PS #1A

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
03	U-3ku PS #1A
03	U-3kv
03	U-3kv PS #1A
03	U-3Ld
03	U-3Ld PS #1A
03	U-3ej
03	U-3ej PS #1D
03	U-3Lu
03	U-3Lu PS #1A
03	U-3an
03	U-3an #1
03	U-3an #2
03	U-3an #3
03	U-3an #4
03	U-3an PS #1D
03	U-3an PS #2D
03	U-3an PS #3D
03	U-3an PS #4D
03	UD-3c (#3)
03	U-3fs
03	U-3ey
03	U-3ey PS #1A
03	U-3gf
03	U-3gf PS #1A
03	U-3av
03	U-3av PS #1
03	U-3av PS #2
03	U-3ck
04	U-4ac
04	U-4ac PS #1A
04	U-4ar
04	U-4ar PS #1A
04	U-4av
04	UE-4av
04	U-4au
04	U-4au PS #1A
04	USGS Test Well D
04	U-4ai

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
04	U-4ai PS #1A
04	U-4ai PS #2A
04	U-4q
04	U-4af
04	U-4af PS #1A
04	U-4an
04	U-4an PS #1A
04	U-4u
04	U-4u #1
04	U-4u PS #2A
04	U-4t
04	U-4t #1
04	U-4t PS #1A
04	U-4t PS #2A
04	U-4t PS #3A
04	UE-4t
04	U-4i PS #1A
04	U-4n
04	U-4n PS #1A
04	U-4n PS #1A Abandoned
04	U-4g
04	U-4g PS #1D
04	U-4g PS #2D
04	UE-4a (HTH)
04	UE-4g #2
04	U-4j PS #1A
04	UE-4ab/Inst.
04	U-4ah
04	U-4ah PS #1A
04	UE-4ad/Inst.
04	UE-4ah/Inst.
04	U-4d
04	U-4d Ex. #1
04	U-4d PS #1D
04	U-4b
04	U-4b #1
04	U-4b #4
04	U-4b PS #1

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
04	U-4b PS #3
04	U-4b PS #5
04	UE-4b
04	U-4aL
04	U-4aL PS #1A
04	UE-4aL
04	U-4aj PS #1A
04	UE-4ac
04	U-4at
04	U-4at PS #1A
04	U-4L PS #1D
04	U-4as
04	U-4as PS #1A
04	U-4p PS #1A
04	UE-4p
04	U-4h PS #1D
04	U-4a PS #1D
04	U-4a PS #3D
04	U-4o PS #1A
04	U-4ak
04	U-4ak PS #1A
04	UE-4ae/Inst.
04	U-4e
04	U-4e Ex. #1
04	U-4e PS #1D
04	U-4f
04	UE-4f/Inst.
04	U-4aa
04	U-4aa PS #1A
04	U-4s PS #1A
04	U-4r PS #1A
04	U-4am
04	U-4c
04	U-4c #1
04	U-4c PPS #1D
04	U-4c PS #2D
04	UE-4c/Inst.
05	U-5i Cable Hole #1

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
05	U-5i Cable Hole #2
05	U-5i Foil Recovery Hole
05	U-5i PS #1A
05	U-5L
05	U-5LS
05	UE-5f
05	UE-5i
05	UE-5j
05	UE-5k
05	UE5PW-1
05	UE5PW-2
05	UE5PW-3
05	U-5b
05	U-5b PS #1A
05	RNM #1
05	RNM #2
05	RNM #2S
05	Test Hole #1
05	Test Hole #2
05	Test Hole #4
05	Test Hole #5
05	U-5k
05	UE-5c Water Well
05	USGS HTH #3
05	U-5a
05	U-5a PS #1A
05	U-5c
05	U-5d
05	U-5g
05	UE-5m
06	MRER Load Test Hole
06	U-6e #1
06	U-6e PS #1A
06	U-6g PS #1A
06	U-6h PS #1A
06	U-6i
06	U-6i PS #1A
06	U-6d

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
06	U-6d PS #1A
06	UE-6d
06	UE-6d #2
06	UE-6d #3/Inst.
06	U-6a #1 Cable Hole
06	U-6a Access Hole
06	U-6a Reentry #1D
06	U-6a Reentry #2D
06	U-6b
06	U-6c
06	UE-6a
07	U-7bg PS #1A
07	U-7x
07	U-7x PS #2D
07	U-7bp PS #1A
07	U-7b
07	U-7b #1/Inst.
07	U-7b #2
07	U-7b PS #1D
07	U-7b PS #2D
07	U-7ax
07	U-7ax PS #1A
07	U-7ba
07	UE-7c
07	U-7an PS #1D
07	U-7p
07	U-7p PPS #2D
07	U-7p PS #1D
07	UE-7az
07	U-7br PS #1A
07	UE-7bj
07	UE-7d
07	UE-7f
07	U-7n PS #1D
07	U-7n PS #2D
07	UE-7nS
07	U-7f
07	U-7f PS #1D

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
07	U-7f PS #2D
07	U-7am
07	U-7am PS #1D
07	U-7d
07	U-7h
07	U-7h #1
07	U-7h #2
07	U-7h #3
07	U-7h Ex. #1
07	U-7h PPS #1D
07	U-7h PPS #2D
07	U-7h PS #1A
07	UE-7h/Inst.
07	U-7c
07	U-7g
07	U-7g #1
07	U-7g #2
07	U-7g #3
07	U-7g PS #1D
07	U-7g PS #2D
07	UE-7g #1A
07	U-7at PS #1A
07	U-7u
07	U-7u PS #1D
07	U-7ap PS #1D
07	UE-7b
07	U-7o
07	U-7o #1
07	U-7o #2
07	U-7o #3
07	U-7o PS #1D
07	U-7bi PS #1A
07	UE-7bh
07	U-7aL PS #1A
07	U-7bm
07	U-7bm PS #1A
07	U-7ac
07	U-7ac PS #1D

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
07	U-7ak
07	U-7ak PS #1A
07	U-7bh PS #1A
07	U-7a
07	U-7a #1
07	U-7a PS #1A
07	U-7a PS #2A
07	UE-7a
07	U-7s
07	U-7s PPS #1D
07	U-7s PS #2D
07	U-7v
07	U-7v PPS #1D
07	U-7v PPS #2D
07	U-7v PS #3D
07	U-7bs #1/Inst.
07	U-7bs PS #1A
07	U-7ai
07	U-7ai PS #1D
07	U-7i
07	U-7i #1
07	U-7i #2
07	U-7i #3
07	U-7i #4
07	U-7i PS #1D
07	U-7j
07	U-7j #1
07	U-7j #2
07	U-7j #3
07	U-7av PS #1D
07	U-7av PS #2D
07	U-7m
07	U-7m PPS #1D
07	U-7m PS #2D
07	UE-7m
07	U-7by PS #1A
07	U-7cc #1
07	U-7ad PS #1D

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
07	U-7ah
07	U-7ah PS #1D
07	U-7bk
07	U-7bk PS #1A
07	U-7bo
07	U-7bo PS #1A
07	U-7bo PS #2A
07	U-7ag PS #1D
07	U-7z
07	U-7z Ex. #1
07	U-7z PS #1D
07	U-7bd
07	U-7bd PS #1A
07	U-7bd PS #2A
07	UE-7bc
07	U-7ao PS #1A
07	U-7e
07	U-7e #4
07	U-7e PS #1D
07	U-7e PS #2D
07	UE-7e
07	U-7bv
07	U-7bv PS #1A
07	U-7af PS #1D
07	U-7as
07	U-7be PS #1A
07	UE-7be/Inst.
07	U-7ab
07	U-7ab PS #1D
07	U-7ajS
07	U-7ajS PS #1D
07	U-7L
07	U-7 Unknown
07	U-7au PS #1D
07	U-7au PS #2D
07	U-7cd
07	U-7cd #1
07	U-7cd PPS #1A

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
07	U-7aq N1 Neutron
07	U-7aq PS #1D
07	U-7r
07	U-7r PS #1D
07	U-7ae
07	U-7ae PS #1D
07	U-7aa
07	U-7aa PS #1D
07	UE-7aa
07	U-7bL PS #1A
07	U-7k
07	U-7k #1
07	U-7k PS #1D
07	U-7k PS #2D
07	U-7ca
07	U-7ca PS #1A
07	U-7t
07	U-7t C-1 Cable Hole
07	U-7t PS #1D
07	U-7y
07	U-7y PS #2D
07	U-7ay PS #1D
07	U-7w
07	U-7w PPS #2D
07	U-7w PS #1D
07	U-7bu PS #1A
08	U-8d
08	U-8d PS #1A
08	U-8d PS #5A
08	UE-8d
08	U-8j
08	UE-8e #1
08	UE-8e/Inst.
08	U-8e
08	U-8e #1
08	U-8e PPS #1A
08	U-8e PS #2A
08	U-8b

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
08	UE-8h
08	UE-8i
08	U-8a
08	U-8a #1
08	U-8a #10
08	U-8a #11
08	U-8a #12
08	U-8a #13
08	U-8a #2
08	U-8a #3
08	U-8a #4
08	U-8a #5
08	U-8a #6
08	U-8a #7
08	U-8a #8
08	U-8a #9
08	U-8a PS #1A
08	U-8a PS #1D
08	U-8m
08	U-8m PS #1A
08	U-8n
08	UE-8n
08	U-8c
08	U-8c PS #1A
08	UE-8c/Inst.
08	U-8L
08	U-8k
08	U-8k PS #2A
09	U-9aL
09	U-9aL PS #1A
09	U-9x
09	U-9x #1 R/C
09	U-9x PS #1
09	U-9x PS #2
09	U-9cj
09	U-9cj PS #1A
09	U-9 Unknown
09	U-9i

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
09	U-9i #1 R/C
09	U-9i PS #1
09	U-9ai
09	U-9ai PS #1
09	U-9ai PS #2
09	U-9 ITS V-26 PS #1A
09	U-9r
09	U-9r PS #1
09	U-9r PS #2
09	U-9cs
09	U-9cs PS #1A
09	U-9ci
09	U-9ci #1 Ex./Inst.
09	U-9ci PS #1A
09	U-9 ITS U-24 PPS #1A
09	U-9 ITS T-28 PS #1A
09	U-9 ITS W-21 PPS #1A
09	U-9 ITS X-29 PS #1A
09	U-9aw
09	U-9aw #1
09	U-9aw PS #3
09	U-9aw PS #4
09	U-9 ITS UE-S-25
09	U-9bz PS #1A
09	U-9p
09	U-9p PS #1
09	U-9p PS #2
09	U-9au
09	U-9au PS #3
09	U-9au PS #4
09	U-9d #1 R/C
09	U-9d PS #1
09	U-9d PS #2
09	U-9 ITS W-20
09	U-9bb
09	U-9bb #1
09	U-9bb PS #1
09	U-9bb PS #2

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
09	UE-9 ITS #1
09	UE-9 ITS #4
09	U-9cp PS #1A
09	U-9ch PS #1A
09	U-9cw
09	U-9cw Hole Springing Test
09	U-9bg
09	U-9bg PS #1A
09	U-9h
09	U-9h PS #1S
09	U-9h PS #2
09	U-9t
09	U-9ce
09	U-9ce #1
09	U-9ce #2
09	U-9ce #3
09	U-9ce PS #1A
09	U-9g
09	U-9g PS #1
09	U-9g PS #2
09	U-9cb
09	U-9cb #1 Vent Hole
09	U-9cb #2 CH
09	U-9cb #3 CH
09	U-9cb #4
09	U-9cb PS #1D
09	U-9cb PS #2D
09	UE-9 ITS #2
09	UE-9 ITS #5
09	U-9cq
09	U-9cq PS #1A
09	U-9ag #1/Inst.
09	U-9ag PPS #3
09	U-9ag PPS #4
09	U-9k
09	U-9k PS #2
09	U-9ar
09	U-9ar #1

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
09	U-9ar PS #3
09	U-9ar PS #4
09	U-9av
09	U-9av #1
09	U-9av PS #3
09	U-9m
09	U-9m #1 R/C
09	U-9m #2 R/C
09	U-9m PS #1
09	U-9m PS #2
09	U-9bs
09	U-9bs PS #1A
09	U-9be #1
09	U-9be PS #1V
09	U-9be PS #2V
09	U-9be PS #3V
09	U-9 ITS U-29
09	U-9ao
09	U-9ao #1
09	U-9ao PS #1
09	U-9ao PS #2
09	U-9cv
09	U-9aj #1
09	U-9ax
09	U-9ax PS #1
09	U-9ax PS #2
09	U-9 ITS UE-XY-30.5
09	U-9 ITS UE-XY-31
09	U-9ca #1
09	U-9cg
09	U-9cg PS #1A
09	UE-9cg/Inst.
09	U-9ba
09	U-9ba PPS #3
09	U-9ba PPS #4
09	U-9ba PS #1
09	U-9ba PS #2
09	U-9 ITS W-22

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
09	U-9e
09	U-9e PPS #1
09	U-9e PS #1
09	U-9e PS #2
09	U-9 ITS X-23
09	U-9 ITS X-23 PS #1A
09	U-9 ITS X-20
09	U-9 ITS X-20 PS #1A
09	U-9bc
09	U-9bc PS #1
09	U-9j
09	U-9j PS #1
09	U-9j PS #2
09	U-9n
09	U-9n PS #1
09	U-9n PS #2
09	U-9bu
09	U-9bp
09	U-9bp #1
09	U-9bp PS #1A
09	U-9bp PS #2A
09	U-9ab
09	U-9ab PS #1
09	U-9cn
09	UE-9cn
09	U-9ak
09	U-9ak PS #1
09	U-9ak PS #2
09	U-9w
09	U-9w PS #1
09	U-9cm PS #1A
09	U-9bf PPS #2A
09	U-9bf PS #1V
09	U-9bf PS #2V
09	U-9a
09	U-9a PPS #1
09	U-9a PS #2
09	U-9af

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
09	U-9af PS #1
09	U-9af PS #2
09	U-9br
09	U-9br #2
09	U-9br #3
09	U-9br #4
09	U-9br PS #1A
09	U-9at
09	U-9at PS #1
09	U-9at PS #2
09	U-9 ITS XY-31 PPS #1A
09	U-9 ITS Z-27
09	U-9 ITS Z-27 PS #1A
09	U-9ak #1 Zero Station
09	U-9cr
09	U-9cr PS #2A
09	U-9bx
09	U-9bx PS #1A
09	Jangle #1
09	U-9ay
09	U-9ay PS #1
09	U-9bo
09	U-9bo PS #1A
09	U-9w #1 PS #1
09	U-9w #1 PS #2
09	U-9L
09	U-9 ITS Y-30 PS #1A
09	U-9 ITS X-27 PS #1A
09	U-9ah
09	U-9ah PS #1
09	U-9ah PS #2
09	U-9ap
09	U-9ap PS #1A
09	U-9ct
09	U-9u
09	U-9u PS #1
09	U-9u PS #2
09	U-9q

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
09	U-9q PS #1S
09	U-9q PS #2
09	U-9v
09	U-9v Pinex-Recovery
09	U-9 ITS X-24 PS #1A
09	U-9 ITS Z-21 PS #1A
09	U-9bm
09	U-9bm PS #1A
09	U-9ck
09	U-9ck PS #1A
09	U-9bd
09	U-9bd #1
09	U-9bd PS #1A
09	U-9bd PS #2A
09	U-9c
09	U-9c PS #1
09	U-9c PS #2
09	U-9ae
09	U-9ae PS #1
09	U-9ae PS #2
09	U-9bk
09	U-9bk PS #1A
09	U-9bv
09	U-9bv PS #1A
09	U-9aa
09	U-9aa PS #1
09	U-9aa PS #2
09	U-9cL
09	U-9bt
09	U-9bt PS #1A
09	U-9bi #1 Zero Station
09	U-9bi #2 PS #1A
09	U-9bj
09	U-9bj #1
09	U-9bj PS #1A
09	U-9az
09	U-9az PS #1A
09	U-9f

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
09	U-9f PS #1
09	U-9f R/C #1
09	U-9aq
09	U-9aq PS #1
09	U-9aq PS #2
09	U-9ac
09	U-9ac PS #1
09	U-9ac PS #2
09	U-9ac PS #3
09	U-9ac PS #4
09	U-9bn
09	U-9bn PS #1A
09	U-9bn PS #1V
09	U-9bn PS #2A
09	U-9 ITS UE-AA-27
09	U-9 ITS UE-U-29 #1
09	U-9 ITS UE-Z-27
09	U-9 ITS V-29
09	U-9by
09	U-9cf PS #1A
09	U-9b
09	U-9b PS #1
09	U-9b PS #2
09	U-9y
09	U-9y #1 R/C PS
09	U-9y Pinex-Recovery
09	U-9y PS #1
09	U-9y PS #3
09	U-9y PS #4
09	U-9bh
09	U-9bh PS #1A
09	U-9z
09	U-9z PS #1
09	U-9z PS #2
10	U-10ax
10	U-10aq
10	U-10cc
10	U-10i

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
10	U-10i #1
10	U-10i PS #1V
10	U-10i PS #2V
10	U-10i PS #3V
10	U-10g
10	U-10g PS #1
10	U-10g PS #2
10	U-10ay
10	U-10ay PS #1A
10	U-10ay Rack Assembly Hole
10	U-10k
10	U-10k #1 Expl./Inst.
10	U-10k PS #1A
10	U-10k PS #1D
10	U-10k-a
10	U-10ap #2
10	U-10ap #2 PPS #1A
10	U-10ap #1
10	U-10ak
10	U-10ak PS #1A
10	U-10at PS #1A
10	U-10ba
10	U-10ba PS #1A
10	U-10ba Rack Assembly Hole
10	U-10a
10	U-10a PS #1A
10	U-10a PS #1V
10	U-10a PS #2A
10	U-10a PS #3V
10	U-10a PS #4V
10	U-10a PS #5V
10	U-10d Ex. #2
10	U-10dS
10	U-10dS CH #1
10	U-10dS CH #2
10	U-10dS CH #3
10	U-10dS CH #4
10	U-10dS CH #5

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
10	U-10dS CH #6
10	U-10dS CH #8
10	U-10dS PPS #3
10	U-10dS PS #1A
10	U-10dS PS #1D
10	U-10dS PS #1V
10	U-10dS PS #2D
10	U-10dS PS #2V
10	U-10dS Vent Hole
10	U-10b
10	U-10b #1
10	U-10b #2
10	U-10b #3
10	U-10b #4
10	U-10b #5
10	U-10b #6
10	U-10b PPS #2A
10	U-10b PS #1A
10	U-10b PS #1D
10	U-10b PS #1V
10	U-10bg PS #2A
10	UE-10bg
10	U-10ca PS #1A
10	U-10p
10	U-10p PS #1A
10	U-10av PS #1A
10	U-10e
10	U-10e #1
10	U-10e PS #1
10	U-10e PS #2
10	U-10e PS #3
10	U-10an PS #1A
10	U-10ar
10	UE-10 ITS #4
10	U-10dS #1
10	U-10n
10	U-10n #1
10	U-10n PS #1A

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
10	U-10n PS #1V
10	U-10aw
10	U-10u
10	U-10u PPS #1A
10	U-10u PS #1A
10	Jangle Test Hole #A3
10	Jangle Test Hole #A4
10	U-10be
10	U-10be PS #1A
10	UE-10 ITS #5/Inst.
10	U-10bd
10	U-10bd PS #1A
10	UE-10bd/Inst.
10	U-10as #1
10	U-10ai
10	U-10ai PS #1A
10	U-10bb PS #1A
10	U-10bf
10	U-10bf PS #1A
10	U-10m
10	U-10m PS #1A
10	U-10aa
10	U-10aa PS #1A
10	U-10z
10	U-10z PS #1A
10	U-10ae
10	U-10y
10	U-10y PS #1A
10	U-10s
10	U-10s PS #1A
10	U-10s PS #2A
10	U-10s Seismic #1
10	U-10s Seismic #2
10	U-10f
10	U-10f PS #1
10	U-10f PS #2
10	U-10t PS #1A
10	U-10w

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
10	U-10w PS #1A
10	U-10ah
10	U-10ah PS #1A
10	U-10q
10	U-10q PS #1A
10	U-10aj C
10	U-10aj C PS #1A
10	U-10aj E/Inst.
10	U-10aj B
10	U-10aj B PS #1A
10	U-10aj B PS #1A Abandoned
10	U-10aj F
10	U-10aj F PS #1A
10	U-10aj D
10	U-10aj D PS #1A
10	U-10aj A
10	U-10aj A PS #1A
10	U-10am #1 PS #1A
10	U-10am #1 Zero Station
10	U-10am #2 PS #1A
10	U-10am #2 Zero Station
10	U-10am #3 PS #1A
10	U-10am #3 Zero Station
10	U-10am #4 Zero Station
10	U-10c
10	U-10c #1
10	U-10c PS #1
10	U-10c PS #2
10	U-10c PS #3
10	U-10ad
10	U-10ad PS #1A
10	U-10ab
10	U-10x
10	U-10x PS #1A
10	U-10L
10	U-10L #1
10	U-10r
10	U-10r PS #1A

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
10	U-10ag
10	U-10af PS #1A
11	U-11g
11	U-11g #1
11	U-11g Ex. #1
11	U-11e
11	U-11e PS #1A
11	U-11f
11	U-11c
11	U-11c #1
11	U-11c PS #1A
11	U-11d
11	UE-11a
11	U-11b PPS #1A
11	U-11b PPS #2A
11	UE-11b
12	U-12e.03ac PS
12	U-12e.03aa PS
12	U-12e.03ab PS
12	U-12e.03a-BS PS
12	UE-12e #1
12	U-12e.05 Hagestad #3
12	U-12e.05 Hagestad #4
12	UE-12g.10 #1
12	UE-12g.10 #2
12	UE-12g.10 #3
12	UE-12g.10 #4
12	UE-12g.10 #5
12	UE-12g.10 #6
12	U-12b.09a PS
12	U-12b.09b PPS
12	U-12b.09d PS
12	U-12q
12	U-12q CH #3
12	U-12q PS #1 Vent
12	U-12j.01-2
12	U-12j.01-3 PS
12	Effinger #1

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Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
12	Effinger #2
12	Effinger #3
12	Effinger #4
12	Hagestad #1
12	Mac Exploratory Co. #1
12	U-12p.06
12	UE-12p
12	UE-12p #1
12	UE-12p #2
12	UE-12p #3
12	UE-12p #4
12	UE-12p #5
12	UE-12p #6
12	UnidentifiedA
12	UnidentifiedB
12	UnidentifiedC
12	UnidentifiedD
12	UnidentifiedE
12	UnidentifiedF
12	USGS Shot Hole
12	WES Hole 66-1
12	WES Hole 66-2
12	Whiterock Springs-1
12	Whiterock Springs-2
12	Whiterock Springs-3
12	Whiterock Springs-3A
12	Whiterock Springs-4
12	U-12t.02 PS #1A
12	UE-12t #2
12	UE-12t #5
12	U-12n #1 CH
12	U-12n.06 PPS #1D
12	U-12n.06 PS #1
12	U-12e.06-1 R/C - Ex.
12	U-12e.14 HFR CH #1
12	U-12e.14 PS #1
12	UE-12e #3
12	U-12e CH #1

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
12	U-12e.04 #21
12	U-12e.04 #22
12	U-12e.04 #24
12	U-12e.04 #29
12	U-12e.04.#32 (USGS)
12	U-12e.11 PPS #1V
12	U-12e.M1 (UG Ex.)
12	U-12g.07 CH #1
12	U-12g.07 PS #1V
12	U-12e.10 PS #1V
12	U-12b.04 PS
12	U-12b.04-1
12	U-12b.04-2
12	U-12b.04-3
12	U-12b.04-4
12	U-12b.04-5
12	U-12b.04A Vent
12	U-12b.04B
12	U-12b.04C Sample & Vent
12	U-12b.08-4 PS W/S
12	U-12n.15 PS #1A
12	UE-12n #10
12	UE-12n #11
12	UE-12n #12
12	UE-12n #2
12	U-12e.02-J
12	U-12g.01-4S
12	U-12s
12	U-12t.04 CH #1
12	U-12t.04 PPS #1D
12	U-12t.04 PPS #2D
12	UE-12t #3
12	UE-12t #4
12	UE-12t #6
12	UE-12t #7
12	UE-12t #8
12	U-12b.07-1
12	U-12b.07-2 R/C

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
12	U-12b.07c
12	U-12n Vent Hole #2
12	U-12n.02 #1 CH
12	U-12n.02 PS #1A
12	UE-12n #1
12	UE-12n #13
12	U-12n.10 CH #1
12	U-12n.10 PS #1
12	U-12n.10 Vent Hole
12	U-12n.10A EMP CH
12	U-12n.10A Structure CH
12	UE-12n #15
12	UE-12n #16
12	UE-12n #3
12	UE-12n #8
12	UE-12n #9/Inst.
12	U-12n.08 PS #1
12	U-12t CH #1
12	U-12t Water Conduit #1
12	U-12t.09 PS #1A
12	UE-12t #1
12	U-12k.01-2 PS-WS
12	U-12k.01-3 PS
12	U-12b #1
12	U-12b #2
12	U-12b #3
12	U-12b #4
12	U-12b R-1
12	U-12b R-4
12	U-12b R-6
12	U-12b R-7
12	U-12b R-8
12	U-12b R-9
12	U-12b Unknown #1
12	U-12b Unknown #2
12	UE-12n #4
12	UE-12n #5
12	UE-12n #7

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Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
12	U-12g.05 PS #1V
12	U-12g.06 PS #1V
12	U-12g.08 CH #1
12	U-12n.03 #1 CH
12	U-12n.18 PS #1A
12	UE-12n #14
12	UE-12n #6
13	UE-13a
15	Marble #1 (ME-1)
15	Marble #2 (ME-2)
15	Marble #4 (ME-4)
15	U-15 GZ #14
15	U-15 GZ #15-S2
15	U-15 GZ #24
15	U-15 GZ #25
15	U-15 GZ Inst.
15	U-15a
15	U-15a #28 Rad Chem
15	U-15a #31 Granite Hole
15	U-15a 29 PS #1
15	U-15a PS #1
15	U-15a PS #28s
15	U-15a PS #29s
15	U-15b
15	U-15b Ex. #1
15	U-15b GZ (Ex.)
15	U-15b-38-2
15	U-15k Test Hole
15	UE-15d Water Well
15	UE-15f
15	UE-15g
15	UE-15h
15	UE-15i (DPNE)
15	UE-15j
15	UE-15j #1
15	UE-15j A-5
15	UE-15j I-5
15	UE-15j K-5

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Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
15	USGS Hole #36 (Seismic)
15	U-15.01 Canister Access Hole
15	U-15e #1
15	U-15e PS #1V
15	UE-15e
16	U-16a.05
16	U-16a.06
16	U-16a.03 PS #1A
16	U-16a.02 PS #1A
16	U-16a.02 Reentry Phase 3
16	U-16a.02 Reentry Phase 5
16	U-16a CH #2
16	U-16a CH #3
16	U-16a CH #5
16	U-16a CH #6
16	U-16a PS #1
16	UE-16a #1
16	UE-16b Eleana
16	UE-16c Eleana
16	UE-16f Eleana
16	U-16a.04 PS #1V
17	SI-1 Heater Hole
17	SI-10
17	SI-11
17	SI-11A
17	SI-12
17	SI-13
17	SI-14
17	SI-15
17	SI-16
17	SI-2
17	SI-3
17	SI-4
17	SI-5
17	SI-6
17	SI-7
17	SI-8
17	SI-8A

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Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
17	SI-9
17	Test Hole #1
17	Test Hole #2
17	Test Hole #3
17	Test Hole #4
17	Test Hole #5
17	UE-17a Eleana
17	UE-17b Eleana
17	UE-17c Eleana
17	UE-17d Eleana
17	UE-17e Eleana
17	UE-17g Eleana
17	USGS HTH #1
18	U-18b
18	U-18c
18	U-18e
18	U-18f
18	U-18h
18	U-18i
18	U-18j #1
18	U-18n
18	U-18q (DPNE)
18	UE-18e #1
18	UE-18e #2
18	UE-18e #3
18	UE-18e #4
18	UE-18e #5
18	UE-18s
18	UE-18t
18	Water Well 8 (USGS HTH-8)
18	WES Hole Q-1 (UE-18q #1)
18	WES Hole Q-2 (UE-18q #2)
18	WES Hole Q-3 (UE-18q #3)
18	WES Hole Q-4 (UE-18q #4)
19	U-19au
19	U-19au #1
19	U-19au PS #1A
19	U-19v

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DOE Area	Drill Hole Name
19	U-19v PPS #2D
19	U-19v PS #1D
19	U-19ba PS #1A
19	U-19d PS #1D
19	U-19g
19	U-19zS
19	U-19b PPS #2D
19	U-19b PS #1D
19	U-19aj PS #1D
19	U-19ak PS #1A
19	U-19ak PS #2A
19	U-19az PS #1A
19	U-19f
19	U-19f PS #2D
19	U-19bg PS #1A
19	U-19ax
19	U-19ax PS #1A
19	U-19an
19	U-19an PS #1A
19	U-19aq PS #1A
19	U-19u
19	U-19u PPS #2D
19	U-19u PS #1D
19	U-19e PS #1D
19	U-19ae PS #1A
19	U-19a
19	U-19bh
19	U-19bk
19	U-19r
19	U-19w
19	UE-19f
19	UE-19fS
19	UE-19g
19	UE-19gS
19	UE-19i
19	UE-19m
19	UE-19p
19	UE-19p #1

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
19	UE-19w #1
19	U-19p
19	U-19p PS #1D
19	U-19c PS #1D
19	U-19n
19	U-19n PS #1A
19	U-19aa
19	U-19aa PS #1A
19	U-19i
19	U-19i PPS #1D
19	U-19i PS #2D
19	U-19i PS #3D
19	U-19L PS #1D
19	U-19L PS #2D
19	U-19L PS #3D
20	U-20az PS #1A
20	U-20as
20	U-20as PS #1A
20	U-20c #1
20	UE-20c
20	U-20ap
20	U-20ap PS #1A
20	U-20i
20	U-20bd
20	U-20bd #1
20	U-20bd #2
20	ER-20-1
20	P.M. Ex. #1 Seismic #1
20	Pahute Mesa #3
20	Pahute Mesa Ex. Hole #1
20	Pahute Mesa Ex. Hole #2
20	U-20a #1
20	U-20a #2
20	U-20a PS #1D
20	U-20a PS #1V
20	U-20a PS #2V Hole #1
20	U-20aj
20	U-20t PS #1D

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
20	U-20aa
20	U-20ac
20	U-20ay
20	U-20aq
20	U-20at
20	U-20at #1/Inst.
20	UE-20ba #1
20	UE-20ba #2
20	U-20aL
20	U-20ab PS #1D
20	U-20f
20	U-20f PS #1D
20	U-20ah PS #1A
20	U-20ao
20	U-20g PS #1D
20	UE-20j Instrument Hole
20	U-20av
20	U-20av #1
20	U-20bc PS #1A
20	U-20ax
20	U-20be
20	U-20be PS #1A
20	U-20ai
20	U-20ai #1
20	U-20ai PS #1A
20	U-20e #1
20	U-20e #3
20	U-20e PS #2D
20	UE-20e
20	UE-20e #1
20	U-20am
20	U-20af PS #1D
20	U-20z PS #1D
20	U-20ar #1/Inst.
20	U-20d
20	U-20ag PS #1D
20	U-20bf
20	U-20bf PS #1A

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
20	U-20ad
20	U-20ad PS #1D
20	UE-20ad
20	U-20b PS #1D
20	UE-20h Emplacement Hole
20	UE-20h PS #1A
20	UE-20h PS #2A
20	U-20ak PS #1A
20	U-20an
20	U-20ae PS #1D
20	U-20bb
20	U-20x
20	U-20y
20	U-20y PS #1D
23	SM-23-1
25	Heater Hole
25	J-11
25	J-11 Prime
25	J-12 Water Well
25	J-13 Water Well
25	U-25 Seismic #1
25	U-25 Seismic #10
25	U-25 Seismic #11
25	U-25 Seismic #12
25	U-25 Seismic #13
25	U-25 Seismic #14
25	U-25 Seismic #15
25	U-25 Seismic #16
25	U-25 Seismic #17
25	U-25 Seismic #18
25	U-25 Seismic #19
25	U-25 Seismic #2
25	U-25 Seismic #20
25	U-25 Seismic #21
25	U-25 Seismic #22
25	U-25 Seismic #23
25	U-25 Seismic #24
25	U-25 Seismic #3

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
25	U-25 Seismic #4
25	U-25 Seismic #5
25	U-25 Seismic #6
25	U-25 Seismic #7
25	U-25 Seismic #8
25	U-25 Seismic #9
25	U-26 Seismic #1
25	UE-25 MX #3
25	UE-25 RF #1
25	UE-25 RF #10
25	UE-25 RF #11
25	UE-25 RF #3
25	UE-25 RF #4
25	UE-25 RF #5
25	UE-25 RF #7
25	UE-25 RF #7A
25	UE-25 RF #8
25	UE-25 RF #9
25	UE-25 UZN #97
25	UE-25 WT #12
25	UE-25 WT #13
25	UE-25 WT #14
25	UE-25 WT #16
25	UE-25 WT #18
25	UE-25 WT #3
25	UE-25 WT #5
25	UE-25 WT #6
25	UE-25a #1
25	UE-25a #3
25	UE-25a #4/Inst.
25	UE-25a #5
25	UE-25a #6
25	UE-25a #7
25	UE-25b #1
25	UE-25c #3
25	UE-25h #1
25	UE-25p #1
25	US-25 #1 Seismic

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
25	US-25 #10 Seismic
25	US-25 #11 Seismic
25	US-25 #12 Seismic
25	US-25 #13 Seismic
25	US-25 #14 Seismic
25	US-25 #15 Seismic
25	US-25 #16 Seismic
25	US-25 #17 Seismic
25	US-25 #18 Seismic
25	US-25 #19 Seismic
25	US-25 #2 Seismic
25	US-25 #20 Seismic
25	US-25 #21 Seismic
25	US-25 #3 Seismic
25	US-25 #4 Seismic
25	US-25 #5 Seismic
25	US-25 #6 Seismic
25	US-25 #7 Seismic
25	US-25 #8 Seismic
25	US-25 #9 Seismic
25	Vertical Shelter #1
25	VSE #1
25	VSE #2
25	VSE #3
25	VSE #4
25	VSE #4A
25	VSE #5
26	Pluto 1
26	Pluto 10
26	Pluto 11
26	Pluto 12
26	Pluto 2
26	Pluto 3
26	Pluto 4
26	Pluto 5
26	Pluto 6
26	Pluto 7
27	Hydro Site #1

Table B.1-2
Drill Holes with No Mud Pit Verified
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DOE Area	Drill Hole Name
27	Hydro Site #4
27	Hydro Site #5
27	Hydro Site #6
27	Hydro Site #7
27	Pu Hydros #6
27	USGS HTH F
29	U-29 Seismic #1
29	UE-29 UZN #91
29	UE-29a #1
29	UE-29a #2

Table B.1-3
Drill Holes with Mud Pits Located in Subsidence Craters
 (Page 1 of 4)

DOE Area	Drill Hole Name
02	U-2dd #2
02	U-2bo #1 Zero Station
02	U-2bo #2 Zero Station
02	U-2av
02	U-2dL
02	U-2cn
02	U-2fa
02	U-2au
02	U-2ce
02	U-2bi PS #1A
02	UE-2bc/Inst.
02	U-2ci PS #1A
02	U-2ck
02	U-2ck PS #1A
02	U-2bv PS #1A
02	U-2fb
02	U-2dh #2
02	U-2dh #2 PS #1A

Table B.1-3
Drill Holes with Mud Pits Located in Subsidence Craters
 (Page 2 of 4)

DOE Area	Drill Hole Name
02	U-2cm-S
02	U-2fd
02	U-2dc #5
02	U-2dc #6
03	U-3jg
03	U-3jb
03	U-3kx
03	U-3kk
03	U-3kr
03	U-3Lo
03	U-3kn
03	U-3Lw
03	U-3ki
03	U-3kd
03	U-3kt
03	U-3Lg
03	U-3kw
03	U-3fz
03	U-3kj
03	U-3hp
03	U-3me
03	U-3kb
03	U-3kq
03	U-3Lt
03	U-3km
03	U-3mg
03	U-3bw #1
03	U-3jl
03	U-3hj
03	U-3kp
03	U-3Lm
03	U-3mf
03	U-3Lh

Table B.1-3
Drill Holes with Mud Pits Located in Subsidence Craters
 (Page 3 of 4)

DOE Area	Drill Hole Name
03	U-3LL
03	U-3gg
03	U-3Lr
03	U-3ku
04	U-4j
04	U-4L
04	U-4p
04	U-4h
04	U-4a
04	U-4m
06	U-6g
06	U-6h
07	U-7bp
07	U-7at
07	U-7aL
07	U-7cb
07	U-7bs
07	UE-7i
07	UE-7j
07	U-7av
07	U-7ad
07	U-7ao
07	U-7af
07	U-7au
07	U-7aq
07	U-7bL
07	U-7bu
09	U-9i PS #2
09	U-9 ITS T-28
09	U-9 ITS X-29
09	U-9d
09	U-9av PS #4
09	U-9 ITS V-27

Table B.1-3
Drill Holes with Mud Pits Located in Subsidence Craters
 (Page 4 of 4)

DOE Area	Drill Hole Name
09	U-9 ITS V-24
09	U-9ad PS #1
09	U-9ad PS #2
09	U-9L PS #1
09	U-9L PS #2
09	U-9v PS #1
09	U-9v PS #2
09	U-9cf
10	U-10ap #3
10	U-10at
10	U-10av
10	U-10cb
10	UE-10aa/Inst.
10	U-10t
10	U-10af
19	U-19ay
19	U-19q PS #1D
19	U-19d
19	U-19ar
19	U-19t PS #1D
19	U-19b
19	UE-19b #1
19	U-19aj
19	U-19az
19	U-19bg
19	U-19aq
19	U-19ae
19	U-19yS
19	U-19yS PS #1D
19	U-19c
19	U-19c #2
19	U-19aS #1
19	U-19aS PS #1D

**Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
N/A	03	U-3ao #1	See Table B.1-2
1	03	U-3ao #2	Not reviewed, shared
2	03	U-3ao #3	Not reviewed, shared
N/A	09	U-9 ITS V-26	See Table C.1-2
3	09	U-9 ITS U-26	Not reviewed, shared
N/A	03	U-3ar #3	See Table B.1-2
4	03	U-3ar #2	Not reviewed, shared
N/A	03	U-3ar #1	See Table B.1-2
5	03	U-3ar #3S	Not reviewed, shared
N/A	03	U-3ar	See Table B.1-2
6	03	U-3ar #2S	Not reviewed, shared
N/A	03	U-3ar PS #1	See Table B.1-2
7	03	U-3ar PS #2	Not reviewed, shared
N/A	02	U-2dd #2	See Table B.1-3
8	02	U-2dd #2 Abandoned	Not reviewed, shared
N/A	07	U-7b #2	See Table B.1-2
9	07	U-7b #3	Not reviewed, shared
10	07	U-7b #4	Not reviewed, shared
N/A	09	U-9 ITS U-24 PPS #1A	See Table B.1-2
11	09	U-9 ITS S-25 PPS #1A	Not reviewed, shared
N/A	02	U-2ec	See Table C.1-2
12	02	U-2em	Not reviewed, shared
N/A	07	U-7ax	See Table B.1-2
13	07	UE-7ax	Not reviewed, shared
N/A	19	U-19x	See Table C.1-2
14	19	UE-19x	Not reviewed, shared
N/A	03	U-3bx PS #1V	See Table B.1-2
15	03	U-3bx PS #2V	Not reviewed, shared
N/A	03	U-3bx PPS #1D	See Table B.1-2
16	03	U-3bx PS #2D	Not reviewed, shared
N/A	03	U-3he	See Table B.1-2
17	03	U-3he Ex. #1/Inst.	Not reviewed, shared
N/A	07	U-7ba	See Table B.1-2
18	07	UE-7ba	Not reviewed, shared

**Table B.1-4
Drill Holes with Shared Mud Pit
(Page 2 of 16)**

Shared #	DOE Area	Drill Hole Name	Comments
N/A	03	U-3br	See Table B.1-2
19	03	U-3br #2	Not reviewed, shared
20	03	U-3br #1	Not reviewed, shared
21	03	U-3br #3	Not reviewed, shared
N/A	19	U-19ba	See Table C.1-2
22	19	U-19ba #1	Not reviewed, shared
23	19	U-19ba #2	Not reviewed, shared
24	19	U-19ba #3	Not reviewed, shared
N/A	03	U-3cu #1	See Table B.1-2
25	03	U-3cu #2	Not reviewed, shared
26	03	U-3cu #3	Not reviewed, shared
N/A	07	U-7p	See Table B.1-2
27	07	U-7p #1	Not reviewed, shared
28	07	U-7p #3	Not reviewed, shared
29	07	U-7p #2	Not reviewed, shared
N/A	03	U-3dr #4	See Table B.1-2
30	03	U-3dr #5	Not reviewed, shared
31	03	U-3dr #6	Not reviewed, shared
N/A	07	U-7n	See Table A.1-1
32	07	U-7n #1	Not reviewed, shared
33	07	U-7n #2	Not reviewed, shared
34	07	U-7n #3	Not reviewed, shared
N/A	10	U-10aq	See Table B.1-2
35	10	U-10aq #1 Inst.	Not reviewed, shared
N/A	07	U-7f PS #2D	See Table B.1-2
36	07	U-7f PS #3D	Not reviewed, shared
N/A	07	U-7f	See Table B.1-2
37	07	U-7f #2	Not reviewed, shared
38	07	U-7f #3	Not reviewed, shared
39	07	U-7f #1	Not reviewed, shared
N/A	03	U-3eq #1	See Table B.1-2
40	03	U-3eq #2	Not reviewed, shared
41	03	U-3eq #3	Not reviewed, shared
N/A	03	U-3dh #1	See Table B.1-2

Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
42	03	U-3dh #3	Not reviewed, shared
43	03	U-3dh #2	Not reviewed, shared
N/A	20	U-20a #2	See Table B.1-2
44	20	U-20a #3	Not reviewed, shared
N/A	09	U-9cp	See Table C.1-2
45	09	UE-9cp/Inst.	Not reviewed, shared
N/A	03	U-3cs #1	See Table B.1-2
46	03	U-3cs #2	Not reviewed, shared
47	03	U-3cs #3	Not reviewed, shared
N/A	09	U-9yz-26	See Table C.1-2
48	09	U-9 ITS Z-26.5	Not reviewed, shared
N/A	03	U-3cp #2	See Table B.1-2
49	03	U-3cp #3	Not reviewed, shared
N/A	02	U-2dg PS #1A	See Table B.1-2
50	02	U-2dg PS #2A	Not reviewed, shared
N/A	03	U-3bn #1	See Table B.1-2
51	03	U-3bn #3	Not reviewed, shared
52	03	U-3bn #2	Not reviewed, shared
N/A	03	U-3eu #1	See Table B.1-2
53	03	U-3eu #2	Not reviewed, shared
54	03	U-3eu #3	Not reviewed, shared
55	02	UE-2a #1	Not reviewed, shared
N/A	19	U-19d	See Table B.1-3
56	19	U-19d #3	Not reviewed, shared
57	19	U-19d #2	Not reviewed, shared
58	19	U-19d #1	Not reviewed, shared
N/A	09	U-9bg	See Table B.1-2
59	09	U-9bg #1	Not reviewed, shared
N/A	03	U-3as #2	See Table B.1-2
60	03	U-3as #3	Not reviewed, shared
N/A	03	U-3es #1	See Table B.1-2
61	03	U-3es #2	Not reviewed, shared
62	03	U-3es #3	Not reviewed, shared
N/A	03	U-3dm #1	See Table B.1-2

**Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
63	03	U-3dm #2	Not reviewed, shared
64	03	U-3dm #3	Not reviewed, shared
N/A	02	U-2am #1	See Table B.1-2
65	02	U-2am #1 Seismic	Not reviewed, shared
N/A	03	U-3df #1	See Table B.1-2
66	03	U-3df #2	Not reviewed, shared
67	03	U-3df #3	Not reviewed, shared
N/A	3	U-3do #1	See Table B.1-2
68	03	U-3do #4	Not reviewed, shared
69	03	U-3do #5	Not reviewed, shared
70	03	U-3do #3	Not reviewed, shared
71	03	U-3do #2	Not reviewed, shared
N/A	02	U-2q	See Table B.1-2
72	02	U-2q #1	Not reviewed, shared
N/A	02	U-2dw PS #1D	See Table B.1-2
73	02	U-2dw PS #1A	Not reviewed, shared
N/A	03	U-3be PS #1	See Table B.1-2
74	03	U-3be PS #2	Not reviewed, shared
N/A	12	U-12n #1 CH	See Table B.1-2
75	12	U-12n #3 CH	Not reviewed, shared
76	12	U-12n #2 CH	Not reviewed, shared
N/A	12	U-12e CH #1	See Table B.1-2
77	12	U-12e CH #3	Not reviewed, shared
78	12	U-12e CH #2	Not reviewed, shared
N/A	12	U-12e.04 #29	See Table B.1-2
79	12	U-12e.04 #29S	Not reviewed, shared
N/A	08	U-8a PS #1A	See Table B.1-2
80	08	U-8a PS #2D	Not reviewed, shared
N/A	03	U-3aq #1	See Table B.1-2
81	03	U-3aq #2	Not reviewed, shared
82	03	U-3aq #3	Not reviewed, shared
N/A	03	U-3az	See Table B.1-2
83	03	U-3az #3S	Not reviewed, shared
84	03	U-3az #3	Not reviewed, shared

**Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
85	03	U-3az #2	Not reviewed, shared
86	03	U-3az #1	Not reviewed, shared
N/A	03	U-3az PS #1	See Table B.1-2
87	3	U-3az PS #2	Not reviewed, shared
N/A	03	U-3cd #2	See Table B.1-2
88	03	U-3cd #4	Not reviewed, shared
89	03	U-3cd #1	Not reviewed, shared
90	03	U-3cd	Not reviewed, shared
N/A	02	U-2dy	See Table B.1-2
91	02	UE-2dy	Not reviewed, shared
N/A	09	U-9m #1 R/C	See Table B.1-2
92	09	U-9m #3 R/C	Not reviewed, shared
N/A	09	U-9bs	See Table B.1-2
93	09	U-9bs #1	Not reviewed, shared
N/A	02	U-2aL	See Table B.1-2
94	02	U-2aL #1	Not reviewed, shared
N/A	19	U-19t	See Table C.1-2
95	19	UE-19t	Not reviewed, shared
N/A	03	U-3ab PS #1	See Table B.1-2
96	03	U-3ab PS #2	Not reviewed, shared
N/A	19	U-19am	See Table C.1-2
97	19	U-19g PS #1D	Not reviewed, shared
N/A	20	U-20ab	See Table A.1-1
98	20	UE-20ab	Not reviewed, shared
N/A	03	U-3eo	See Table B.1-2
99	03	U-3eo #3	Not reviewed, shared
100	03	U-3eo #1	Not reviewed, shared
101	03	U-3eo #2	Not reviewed, shared
N/A	02	U-2m #1 Emplacement Hole	See Table B.1-2
102	02	U-2m #2S	Not reviewed, shared
103	02	U-2m #3	Not reviewed, shared
104	02	U-2m Access Hole	Not reviewed, shared
105	02	U-2m #4 Escape Hole	Not reviewed, shared

**Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
N/A	03	U-3bf #1	See Table B.1-2
106	03	U-3bf #3	Not reviewed, shared
107	03	U-3bf #2	Not reviewed, shared
N/A	3	U-3bf PS #5	See Table B.1-2
108	03	U-3bf PS #3	Not reviewed, shared
N/A	03	U-3by PS #1	See Table B.1-2
109	03	U-3by PS #2	Not reviewed, shared
N/A	03	U-3du #1	See Table B.1-2
110	03	U-3du #3	Not reviewed, shared
111	03	U-3du #2	Not reviewed, shared
N/A	03	U-3ah #1	See Table B.1-2
112	03	U-3ah #3	Not reviewed, shared
113	03	U-3ah #2	Not reviewed, shared
N/A	09	U-9 ITS X-27	See Table C.1-2
114	09	U-9 ITS Y-27	Not reviewed, shared
N/A	19	U-19zS	See Table B.1-2
115	19	UE-19z/Inst.	Not reviewed, shared
N/A	20	U-20f	See Table B.1-2
116	20	UE-20f	Not reviewed, shared
N/A	03	U-3hf	See Table B.1-2
117	03	U-3hf Ex. #1/Inst.	Not reviewed, shared
N/A	03	U-3hz Ex. #1	See Table B.1-2
118	03	U-3hz	Not reviewed, shared
N/A	03	U-3eh #1	See Table B.1-2
119	03	U-3eh #3	Not reviewed, shared
120	03	U-3eh #2	Not reviewed, shared
N/A	20	U-20g	See Table C.1-2
121	20	U-20g #1	Not reviewed, shared
N/A	03	U-3bz #1	See Table B.1-2
122	03	U-3bz #3	Not reviewed, shared
123	03	U-3bz #2	Not reviewed, shared
N/A	03	U-3bz PS #1	See Table B.1-2
124	3	U-3bz PS #2	Not reviewed, shared
N/A	03	U-3di #1	See Table B.1-2

Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
125	03	U-3di #2	Not reviewed, shared
126	03	U-3di #3	Not reviewed, shared
N/A	03	U-3db PS #1	See Table B.1-2
127	03	U-3db PS #2	Not reviewed, shared
N/A	03	U-3dL #1	See Table B.1-2
128	03	U-3dL #2	Not reviewed, shared
129	03	U-3dL #3	Not reviewed, shared
N/A	19	U-19b	See Table B.1-3
130	19	U-19b #1	Not reviewed, shared
131	19	U-19b #2	Not reviewed, shared
132	19	U-19b #3	Not reviewed, shared
N/A	03	U-3bv #3	See Table B.1-2
133	03	U-3bv #1	Not reviewed, shared
N/A	03	U-3bv PS #1	See Table B.1-2
134	03	U-3bv PS #2	Not reviewed, shared
N/A	03	U-3auS #1	See Table B.1-2
135	03	U-3auS #3S	Not reviewed, shared
136	03	U-3auS #3	Not reviewed, shared
137	03	U-3auS #2	Not reviewed, shared
N/A	03	U-3auS PS #1	See Table B.1-2
138	03	U-3auS PS #3	Not reviewed, shared
N/A	09	U-9 ITS AA-25	See Table C.1-2
139	09	U-9 ITS Z-25	Not reviewed, shared
N/A	03	U-3ai #1	See Table B.1-2
140	03	U-3ai #3	Not reviewed, shared
141	03	U-3ai #2	Not reviewed, shared
N/A	09	U-9bc	See Table B.1-2
142	09	U-9bc #1	Not reviewed, shared
N/A	09	U-9bc PS #1	See Table B.1-2
143	09	U-9bc PS #2	Not reviewed, shared
N/A	03	U-3je	See Table B.1-2
144	03	U-3je Ex. #1/Inst.	Not reviewed, shared
N/A	02	U-2y	See Table B.1-2
145	02	U-2y #1	Not reviewed, shared

Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
146	02	U-2y #2	Not reviewed, shared
N/A	03	U-3bc PS #1	See Table B.1-2
147	03	U-3bc PS #2	Not reviewed, shared
N/A	03	U-3bh PS #1S	See Table B.1-2
148	03	U-3bh PS #1	Not reviewed, shared
149	03	U-3bh PS #1SS	Not reviewed, shared
150	03	U-3bh PS #2	Not reviewed, shared
N/A	03	U-3at #1	See Table B.1-2
151	03	U-3at #3	Not reviewed, shared
152	03	U-3at #2	Not reviewed, shared
153	03	U-3at #3S	Not reviewed, shared
N/A	09	U-9ab PS #1	See Table B.1-2
154	09	U-9ab PS #2	Not reviewed, shared
N/A	19	U-19ax	See Table B.1-2
155	19	U-19ax #2	Not reviewed, shared
156	19	U-19ax Calibration Hole	Not reviewed, shared
157	19	U-19ax #1	Not reviewed, shared
N/A	03	U-3dd #1	See Table B.1-2
158	03	U-3dd #2	Not reviewed, shared
159	03	U-3dd #5	Not reviewed, shared
160	03	U-3dd #4	Not reviewed, shared
161	03	U-3dd #3	Not reviewed, shared
N/A	03	U-3et #1	See Table B.1-2
162	03	U-3et #2	Not reviewed, shared
163	03	U-3et #3	Not reviewed, shared
N/A	03	U-3fb #1	See Table B.1-2
164	03	U-3fb #2	Not reviewed, shared
165	03	U-3fb #3	Not reviewed, shared
N/A	03	U-3dz #1	See Table B.1-2
166	03	U-3dz #3	Not reviewed, shared
167	03	U-3dz #2	Not reviewed, shared
N/A	03	U-3er #1	See Table B.1-2
168	03	U-3er #2	Not reviewed, shared
169	03	U-3er #3	Not reviewed, shared

Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
N/A	03	U-3er #4	See Table B.1-2
170	03	U-3er #6	Not reviewed, shared
171	03	U-3er #5	Not reviewed, shared
N/A	01	UE-1m Eleana	See Table B.1-2
172	01	UE-1o Eleana	Not reviewed, shared
173	01	UE-1n Eleana	Not reviewed, shared
N/A	04	U-4b PS #3	See Table B.1-2
174	04	U-4b PS #4	Not reviewed, shared
N/A	04	U-4b #1	See Table B.1-2
175	04	U-4b #5	Not reviewed, shared
176	04	U-4b #2	Not reviewed, shared
177	04	U-4b #3	Not reviewed, shared
N/A	16	U-16a PS #1	See Table B.1-2
178	16	U-16a PS #2S	Not reviewed, shared
N/A	03	U-3bk PS #1	See Table B.1-2
179	3	U-3bk PS #2	Not reviewed, shared
N/A	03	U-3bk #2	See Table B.1-2
180	03	U-3bk #3	Not reviewed, shared
N/A	3	U-3dp #1	See Table B.1-2
181	03	U-3dp #3	Not reviewed, shared
182	03	U-3dp #2 Abandoned	Not reviewed, shared
183	03	U-3dp #2	Not reviewed, shared
N/A	09	U-9br	See Table B.1-2
184	09	U-9br #1	Not reviewed, shared
N/A	03	U-3ct #1	See Table B.1-2
185	03	U-3ct #3	Not reviewed, shared
186	03	U-3ct #2	Not reviewed, shared
187	03	U-3ct #4	Not reviewed, shared
N/A	03	U-3bd PS #1	See Table B.1-2
188	03	U-3bd PS #2	Not reviewed, shared
189	03	U-3bd PS #2S	Not reviewed, shared
N/A	07	U-7ad	See Table B.1-3
190	07	U-7ad Ex. #1	Not reviewed, shared
N/A	12	UE-12n #15	See Table B.1-2

Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
191	12	UE-12n #15A	Not reviewed, shared
N/A	03	U-3ae	See Table B.1-2
192	03	U-3ae #1	Not reviewed, shared
N/A	03	U-3cv #1	See Table B.1-2
193	03	U-3cv #2	Not reviewed, shared
194	03	U-3cv #3	Not reviewed, shared
N/A	12	U-12t CH #1	See Table B.1-2
195	12	U-12t CH #2	Not reviewed, shared
N/A	03	U-3ed #1	See Table B.1-2
196	03	U-3ed #2	Not reviewed, shared
197	03	U-3ed #3	Not reviewed, shared
N/A	19	U-19e PS #1D	See Table B.1-2
198	19	U-19e PS #2D	Not reviewed, shared
N/A	03	U-3dx #1	See Table B.1-2
199	03	U-3dx #2	Not reviewed, shared
200	03	U-3dx #3	Not reviewed, shared
N/A	03	U-3ef #2	See Table B.1-2
201	03	U-3ef #4	Not reviewed, shared
202	03	U-3ef #3	Not reviewed, shared
N/A	02	U-2ce PS #1A	See Table C.1-2
203	02	U-2ce PS #2A	Not reviewed, shared
N/A	09	U-9bx	See Table B.1-2
204	09	U-9bx #1	Not reviewed, shared
N/A	19	U-19e	See Table C.1-2
205	19	UE-19e/Inst.	Not reviewed, shared
N/A	09	U-9ay	See Table B.1-2
206	09	U-9ay #1	Not reviewed, shared
N/A	09	U-9ay PS #1	See Table B.1-2
207	09	U-9ay PS #3	Not reviewed, shared
208	09	U-9ay PS #2	Not reviewed, shared
N/A	03	U-3js	See Table B.1-2
209	03	U-3js Ex. #1/Inst.	Not reviewed, shared
N/A	03	U-3ax PS #1	See Table B.1-2
210	03	U-3ax PS #1S	Not reviewed, shared

Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
N/A	03	U-3ax #1	See Table B.1-2
211	03	U-3ax #2	Not reviewed, shared
212	03	U-3ax #3	Not reviewed, shared
N/A	03	U-3aw PS #2	See Table B.1-2
213	03	U-3aw PS #1	Not reviewed, shared
N/A	03	U-3ji PPS #1A	See Table B.1-2
214	03	U-3ji PS #2A	Not reviewed, shared
N/A	03	U-3aL-1	See Table B.1-2
215	03	U-3aL-3	Not reviewed, shared
216	03	U-3aL-2	Not reviewed, shared
217	03	U-3aL-4	Not reviewed, shared
218	03	U-3aL PS #1	Not reviewed, shared
N/A	03	U-3dk	See Table B.1-2
219	03	U-3dk #2	Not reviewed, shared
220	03	U-3dk #3	Not reviewed, shared
N/A	03	U-3dk PS #1A	See Table B.1-2
221	03	U-3dk PPS #2A	Not reviewed, shared
N/A	03	U-3bb #1	See Table B.1-2
222	03	U-3bb #2	Not reviewed, shared
223	03	U-3bb #3	Not reviewed, shared
N/A	03	U-3bw #1	See Table B.1-3
224	03	U-3bw #2	Not reviewed, shared
225	03	U-3bw #3	Not reviewed, shared
N/A	03	U-3bw PS #1	See Table B.1-2
226	03	U-3bw PS #4	Not reviewed, shared
227	03	U-3bw PS #2	Not reviewed, shared
228	03	U-3bw PS #5	Not reviewed, shared
N/A	03	U-3dn	See Table B.1-2
229	03	U-3dn #1	Not reviewed, shared
230	03	U-3dn #2	Not reviewed, shared
231	03	U-3dn #3S	Not reviewed, shared
232	03	U-3dn #2S	Not reviewed, shared
233	03	U-3dn #3	Not reviewed, shared
N/A	03	U-3dn PS #3A	See Table B.1-2

Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
234	03	U-3dn PPS #2A	Not reviewed, shared
N/A	03	U-3cy	See Table B.1-2
235	03	U-3cy #3	Not reviewed, shared
236	03	U-3cy #2	Not reviewed, shared
N/A	03	U-3co #1	See Table B.1-2
237	03	U-3co #3	Not reviewed, shared
238	03	U-3co #2	Not reviewed, shared
N/A	07	U-7e #4	See Table B.1-2
239	07	U-7e #6	Not reviewed, shared
240	07	U-7e #5	Not reviewed, shared
241	07	U-7e #7	Not reviewed, shared
N/A	02	U-2r	See Table B.1-2
242	02	U-2r #1	Not reviewed, shared
N/A	03	U-3ee #1	See Table B.1-2
243	03	U-3ee #2	Not reviewed, shared
244	03	U-3ee #3	Not reviewed, shared
N/A	03	U-3bs #1	See Table B.1-2
245	03	U-3bs #3	Not reviewed, shared
246	03	U-3bs #2	Not reviewed, shared
N/A	03	U-3ds	See Table B.1-2
247	03	U-3ds #4	Not reviewed, shared
248	03	U-3ds #5	Not reviewed, shared
249	03	U-3ds #6	Not reviewed, shared
N/A	10	U-10bf	See Table B.1-2
250	10	UE-10bf/Inst.	Not reviewed, shared
N/A	03	U-3ajS	See Table B.1-2
251	03	U-3ajS-3	Not reviewed, shared
252	03	U-3ajS-1	Not reviewed, shared
253	03	U-3ajS-2	Not reviewed, shared
N/A	03	U-3ajS PPS #5	See Table B.1-2
254	03	U-3ajS PS #2	Not reviewed, shared
255	03	U-3ajS PS #1	Not reviewed, shared
N/A	12	U-12b R-1	See Table B.1-2
256	12	U-12b R-3	Not reviewed, shared

Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
257	12	U-12b R-5	Not reviewed, shared
258	12	U-12b R-2	Not reviewed, shared
N/A	12	U-12g.08 CH #1	See Table B.1-2
259	12	U-12g.08 CH #2	Not reviewed, shared
N/A	10	U-10d	See Table C.1-2
260	10	U-10d Ex. #1	Not reviewed, shared
N/A	19	U-19c	See Table B.1-3
261	19	U-19c #1	Not reviewed, shared
N/A	19	U-19c #2	See Table B.1-3
262	19	U-19c #3	Not reviewed, shared
N/A	19	U-19c PS #1D	See Table B.1-2
263	19	U-19c PS #2D	Not reviewed, shared
N/A	03	U-3ak-1	See Table B.1-2
264	03	U-3ak-2	Not reviewed, shared
265	03	U-3ak-3	Not reviewed, shared
N/A	03	U-3ak PS #11	See Table B.1-2
266	03	U-3ak PS #13	Not reviewed, shared
267	03	U-3ak PS #14	Not reviewed, shared
268	03	U-3ak PS #12	Not reviewed, shared
N/A	03	U-3ak PS #4	See Table B.1-2
269	03	U-3ak PS #6	Not reviewed, shared
270	3	U-3ak PS #7	Not reviewed, shared
271	03	U-3ak PS #8	Not reviewed, shared
N/A	03	U-3ak PS #9	See Table B.1-2
272	03	U-3ak PS #15	Not reviewed, shared
N/A	02	U-2eg PS #2A	See Table B.1-2
273	02	U-2eg PS #3A	Not reviewed, shared
N/A	07	U-7L	See Table B.1-2
274	07	UE-7L ZS	Not reviewed, shared
N/A	03	U-3ch #1	See Table B.1-2
275	03	U-3ch #2	Not reviewed, shared
276	03	U-3ch #3	Not reviewed, shared
N/A	03	U-3gh PS #2A	See Table B.1-2
277	03	U-3gh PPS #1A	Not reviewed, shared

**Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
N/A	19	U-19aS PS #1D	See Table B.1-3
278	19	U-19aS PS #2D	Not reviewed, shared
N/A	03	U-3dg #1	See Table B.1-2
279	03	U-3dg #3	Not reviewed, shared
N/A	09	U-9 ITS X-24	See Table C.1-2
280	09	UE-9 ITS #3	Not reviewed, shared
N/A	03	U-3en #1	See Table B.1-2
281	03	U-3en #2	Not reviewed, shared
282	03	U-3en #3	Not reviewed, shared
N/A	03	U-3cz #3	See Table B.1-2
283	03	U-3cz #2	Not reviewed, shared
284	03	U-3cz #1	Not reviewed, shared
N/A	03	U-3fh #1	See Table B.1-2
285	03	U-3fh #3	Not reviewed, shared
286	03	U-3fh #2	Not reviewed, shared
N/A	19	U-19L	See Table C.1-2
287	19	U-19L PS #4D	Not reviewed, shared
N/A	03	U-3ap #1	See Table B.1-2
288	03	U-3ap #3	Not reviewed, shared
289	03	U-3ap #2	Not reviewed, shared
N/A	03	U-3ap PS #5	See Table B.1-2
290	03	U-3ap PS #2	Not reviewed, shared
291	03	U-3ap PS #5S	Not reviewed, shared
N/A	04	U-4a PS #1D	See Table B.1-2
292	04	U-4a PS #2D	Not reviewed, shared
N/A	03	U-3bo #1	See Table B.1-2
293	03	U-3bo #4	Not reviewed, shared
294	03	U-3bo #2	Not reviewed, shared
295	3	U-3bo #3	Not reviewed, shared
N/A	18	U-18n	See Table B.1-2
296	18	U-18o	Not reviewed, shared
297	18	U-18p	Not reviewed, shared
298	18	U-18L	Not reviewed, shared
299	18	U-18m	Not reviewed, shared

Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
N/A	18	U-18i	See Table B.1-2
300	18	U-18k	Not reviewed, shared
301	18	U-18g	Not reviewed, shared
302	18	U-18j	Not reviewed, shared
N/A	07	U-7k #1	See Table B.1-2
303	07	U-7k #2	Not reviewed, shared
304	07	U-7k #3	Not reviewed, shared
N/A	20	U-20bb	See Table B.1-2
305	20	U-20bb #1	Not reviewed, shared
N/A	03	U-3ba #1	See Table B.1-2
306	03	U-3ba #3	Not reviewed, shared
307	03	U-3ba #2	Not reviewed, shared
N/A	03	U-3dw PS #1A	See Table B.1-2
308	03	U-3dw PPS #2A	Not reviewed, shared
N/A	03	U-3dw #1	See Table B.1-2
309	03	U-3dw #3	Not reviewed, shared
310	03	U-3dw #2	Not reviewed, shared
N/A	03	U-3ek	See Table B.1-2
311	03	U-3ek #1	Not reviewed, shared
312	03	U-3ek #2	Not reviewed, shared
313	03	U-3ek #3	Not reviewed, shared
N/A	19	U-19ab	See Table C.1-2
314	19	U-19ab #3/Inst.	Not reviewed, shared
315	19	U-19ab #1	Not reviewed, shared
316	19	U-19ab #2/Inst.	Not reviewed, shared
N/A	03	U-3dj #1	See Table B.1-2
317	03	U-3dj #2	Not reviewed, shared
318	03	U-3dj #3	Not reviewed, shared
N/A	03	U-3hm PPS #1A	See Table B.1-2
319	03	U-3hm PPS #2A	Not reviewed, shared
N/A	03	U-3de	See Table B.1-2
320	03	U-3de #3	Not reviewed, shared
321	03	U-3de #2	Not reviewed, shared
322	03	U-3de #1	Not reviewed, shared

Table B.1-4
Drill Holes with Shared Mud Pit
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Shared #	DOE Area	Drill Hole Name	Comments
N/A	10	U-10am #3 PS #1A	See Table B.1-2
323	10	U-10am #4 PS #1A	Not reviewed, shared
N/A	03	U-3dt #1	See Table B.1-2
324	03	U-3dt #2	Not reviewed, shared
N/A	09	U-9bn	See Table B.1-2
325	09	U-9bn #1	Not reviewed, shared
N/A	02	U-2dc #1	See Table C.1-2
326	02	U-2dc #3	Not reviewed, shared
N/A	03	U-3em #1	See Table B.1-2
327	03	U-3em #2	Not reviewed, shared
328	03	U-3em #3	Not reviewed, shared
N/A	27	Hydro Site #4	See Table B.1-2
329	27	Hydro Site #2	Not reviewed, shared
N/A	27	Hydro Site #1	See Table B.1-2
330	27	Hydro Site #3	Not reviewed, shared
N/A	09	U-9bh	See Table B.1-2
331	09	U-9bh #1	Not reviewed, shared
N/A	04	U-4c #1	See Table B.1-2
332	04	U-4c #2	Not reviewed, shared
333	04	U-4c #3	Not reviewed, shared

Appendix C

Mud Pits Proposed for FFACO Entry

C.1.0 Mud Pits Proposed for FFACO Entry

Standard (Default) Values. During the review process, it was determined that many of the photographs or drawings used provided no scale for determining distances. In these circumstances, a standard value was assigned and used consistently where verification could not otherwise be performed. These values applied to the mud pit size and the distance from its associated drill hole. However, it was determined that postshot mud pits rarely measured 12 feet (ft) wide as previously suggested. In fact, these mud pits tended to be considerably larger; therefore, an average size (100 x 25 ft) was used for the standard value. This was done to more accurately describe the size of the mud pit in question. Likewise, the strategy document cited that the distance from the hole to its associated mud pit was approximately 100 ft. However, it was discovered that 50 ft was a much more accurate estimate.

**Table C.1-1
Standard Values**

Mud Pit Type	Dimensions
Preshot Return Pit	150 x 150 ft
Preshot Suction Pit	100 x 20 ft
Postshot Return Pit	100 x 25 ft
Other Return Pit	100 x 25 ft
Distance From Hole	50 ft

Table C.1-2, Drill Holes Associated with FFACO Sites - By Area

Table C.1-3, Drill Holes Associated with FFACO Sites - By Category

The column headings from each of these tables are described as follows:

- Sponsor:** This column identifies the sponsor associated with a given test and drill hole.
- Name:** This column identifies the name given to each drill hole.
- Type:** This column identifies the type of drill hole.
- Preshot Mud Pit:** This column indicates that the mud pit was used for preshot drilling operations.

Postshot Mud Pit: This column identifies that the mud pit was used for postshot drilling operations.

Other Mud Pit: This column indicates that the mud pit was used for drilling activities other than pre- or postshot drilling.

Number of Mud Pits: This column indicates how many mud pits were found to be associated with a given drill hole.

Return Pit Dimensions: This column indicates the return pit dimensions in feet.

Suction Pit Dimensions: This column indicates the dimensions in feet of the suction pit. If the dimension is listed as N/A, there was not a suction pit associated with that drill hole.

Distance of Mud Pit from Hole: This column indicates the distance in feet of the mud pit from the drill hole.

Direction of Mud Pit from Hole: This column indicates the compass direction of the mud pit from its associated drill hole.

Category: This column identifies the category (1-6) which best describes the associated mud pit.

The following terms are used in [Tables C.1-2](#) and [C.1-3](#) to describe borehole types, sponsors, direction from boreholes and dimensions:

BH = Borehole

EMP = Emplacement

Inst = Instrument

Expl = Exploratory

LANL = Los Alamos National Laboratory

LLNL = Lawrence Livermore National Laboratory

UK = United Kingdom

N/A = Not Applicable

N = North

NE = Northeast

NW = Northwest

S = South

SE = Southeast

SW = Southwest

E = East

W = West

Table C.1-2
Drill Holes Associated with FFACO Sites by Area
 (Page 1 of 13)

NTS Mud Pit FFACO Inclusion Data											
Associated Drill Hole Information			Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
Sponsor	Name	Type	Preshot Mud Pit	Postshot Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole	Direction from Hole	Category Number
AREA 1											
LANL	U-1g	BH EMP	Yes	No	No	2	140 x 140	140 x 20	150	NW	1
LANL	UE-1i	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	W	5
LANL	UE-1p Eleana	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
LANL	U-1d	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NW	1
LANL	U-1e	BH EMP	Yes	No	No	2	110 x 105	105 x 10	150	W	1
LANL	U-1f	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NE	1
LANL	UE-1L	BH EXPL	No	No	Yes	2	150 x 150	100 x 25	50	N	5
LANL	UE-1q	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	SE	5
LANL	UE-1r	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	N	5
AREA 2											
LLNL	U-2ev PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	35	SE	4
LLNL	U-2L PS #5	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SE	4
LLNL	U-2gk	BH EMP	Yes	No	No	1	150 x 150	N/A	50	E	3
LLNL	U-2ec	BH EMP	Yes	No	No	1	150 x 150	N/A	100	E	3
LLNL	U-2ge PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	50	E	4
LLNL	U-2ew PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	40	SE	4
LLNL	U-2ew PS #2A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	40	SW	4
LLNL	U-2ct	BH EMP	Yes	No	No	1	250 x 250	N/A	100	SE	1
LLNL	U-2dd #1	BH EMP	Yes	No	No	2	75 x 50	40 x 20	50	SE	3
LLNL	U-2gd	BH EMP	Yes	No	No	1	200 x 200	N/A	100	SE	3

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Table C.1-2
Drill Holes Associated with FFACO Sites by Area
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NTS Mud Pit FFACO Inclusion Data											
Associated Drill Hole Information			Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
Sponsor	Name	Type	Preshot Mud Pit	Postshot Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole	Direction from Hole	Category Number
LLNL	UE-2ac	BH EXPL	No	No	Yes	1	100 x 25	N/A	100	E	5
LLNL	U-2q PS #1A	BH POSTSHOT	No	Yes	No	1	90 x 40	N/A	50	S	4
LLNL	U-2fg	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
LLNL	U-2gc	BH EMP	Yes	No	No	1	200 x 150	N/A	50	SE	3
LLNL	UE-2eu	BH EXPL	No	No	Yes	1	50 x 25	N/A	25	SW	5
LLNL	U-2dp	BH EMP	Yes	No	No	2	150 x 150	100 x 20	100	NW	3
LLNL	U-2dp PS #1A	BH POSTSHOT	No	Yes	No	1	75 x 50	N/A	50	SW	4
LLNL	U-2fc PS #1A	BH POSTSHOT	No	Yes	No	1	60 x 35	N/A	50	S	4
LLNL	U-2az #3	BH EMP	Yes	No	No	2	120 x 50	100 x 20	120	N	3
LLNL	U-2az #2	BH EMP	Yes	No	No	2	150 x 50	150 x 25	120	E	3
LLNL	U-2do	BH EMP	Yes	No	No	1	110 x 110	N/A	110	SE	3
LLNL	U-2ds	BH EMP	Yes	No	No	2	125 x 125	125 x 25	100	SE	3
LLNL	U-2gg PS #2A	BH POSTSHOT	No	Yes	No	1	75 x 50	N/A	50	NE	4
LLNL	U-2er PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	NE	4
LLNL	U-2cw	BH EMP	Yes	No	No	1	150 x 150	N/A	100	SE	3
LLNL	UE-2ad	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
LLNL	UE-2co	BH EXPL	No	No	Yes	1	75 x 30	N/A	200	SW	5
LLNL	U-2bq #1 PS #1A	BH POSTSHOT	No	Yes	No	1	110 x 20	N/A	50	SW	4
LLNL	U-2bq #2 PS #1A	BH POSTSHOT	No	Yes	No	1	75 x 20	N/A	50	NE	4
LLNL	U-2dm	BH EMP	Yes	No	No	2	150 x 100	150 x 75	50	S	3
LLNL	U-2f PS #1	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	E	4
LLNL	U-2ce PS #1A	BH POSTSHOT	No	Yes	No	1	30 x 12	N/A	30	NE	4

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Table C.1-2
Drill Holes Associated with FFAO Sites by Area
 (Page 3 of 13)

NTS Mud Pit FFAO Inclusion Data											
Associated Drill Hole Information			Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
Sponsor	Name	Type	Preshot Mud Pit	Postshot Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole	Direction from Hole	Category Number
Not Identified	Unknown #1 (Area 2)	Unknown	No	No	Yes	1	100 x 25	N/A	50	NE	6
Not Identified	Unknown #2 (Area 2)	Unknown	No	No	Yes	2	150 x 150	100 x 25	50	NW	6
LLNL	U-2gi	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
LLNL	U-2cj	BH EMP	Yes	No	No	1	65 x 50	N/A	150	E	3
LLNL	U-2gf PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	50	NE	4
LLNL	U-2ea	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
LLNL	U-2ea PS #1A	BH POSTSHOT	No	Yes	No	1	35 x 25	N/A	50	N	4
LLNL	U-2bp #1 Zero Station	BH EMP	Yes	No	No	2	125 x 75	75 x 50	100	NE	3
LLNL	U-2bp #2 Zero Station	BH EMP	Yes	No	No	2	150 x 100	100 x 50	50	E	3
LLNL	U-2dc #4	BH EMP	Yes	No	No	1	100 x 75	N/A	75	NE	3
LLNL	U-2dc #2	BH EMP	Yes	No	No	1	100 x 75	N/A	100	E	3
LLNL	U-2dc #1	BH EMP	Yes	No	No	1	140 x 100	N/A	280	S	3
LLNL	U-2dc #6 PS #1A	BH POSTSHOT	No	Yes	No	1	60 x 15	N/A	35	NW	4
LLNL	U-2cv	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
LLNL	U-2ez	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
LLNL	U-2fh	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
AREA 3											
LANL	U-3bg PS #3	BH POSTSHOT	No	Yes	No	1	50 x 20	N/A	25	N	2
LANL	U-3gy	BH EMP	Yes	No	No	1	150 x 150	N/A	50	W	1
LANL	U-3gv	BH EMP	Yes	No	No	2	195 x 115	100 x 15	100	SW	1
LANL	U-3mk	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NW	1

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Table C.1-2
Drill Holes Associated with FFAO Sites by Area
 (Page 4 of 13)

NTS Mud Pit FFAO Inclusion Data											
Associated Drill Hole Information			Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
Sponsor	Name	Type	Preshot Mud Pit	Postshot Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole	Direction from Hole	Category Number
LANL	U-3mu	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	SW	1
LANL	U-3Lf	BH EMP	Yes	No	No	2	77 x 72	77 x 15	110	N	1
LANL	U-3mq	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NW	1
LANL	U-3kt PS #1D	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SE	2
LANL	U-3kL	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	SW	1
LANL	U-3ke	BH EMP	Yes	No	No	2	150 x 150	100 x 25	50	SW	1
LANL	U-3mh	BH EMP	Yes	No	No	2	150 x 150	100 x 25	50	NW	1
LANL	U-3mh PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	E	2
LANL	U-3mt	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	SE	1
LANL	U-3kq PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SW	2
LANL	U-3mr	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NE	1
LANL	U-3Lb	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	1
LANL/UK	U-3ko	BH EMP	Yes	No	No	1	150 x 150	N/A	50	W	1
LANL	U-3Lx	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NW	1
LANL	U-3Lc PS #1A	BH POSTSHOT	No	Yes	No	1	100 X 25	N/A	50	W	2
LANL	U-3hc	BH EMP	Yes	No	No	2	150 X 150	100 x 20	50	SE	1
LANL	UE-3Lj/Inst.	BH EXPL_INST	No	No	Yes	1	100 x 25	N/A	50	W	5
LANL	U-3ka	BH EMP	Yes	No	No	2	150 X 150	100 x 20	50	SW	1
LANL	U-3Lp	BH EMP	Yes	No	No	2	150 X 150	100 X 20	50	E	1
AREA 4											
LLNL/UK	U-4av PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	S	4

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Table C.1-2
Drill Holes Associated with FFACO Sites by Area
 (Page 5 of 13)

NTS Mud Pit FFACO Inclusion Data											
Associated Drill Hole Information			Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
Sponsor	Name	Type	Preshot Mud Pit	Postshot Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole	Direction from Hole	Category Number
LLNL	UE-4ai	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
LLNL	U-4ad	BH EMP	Yes	No	No	1	150 x 150	N/A	50	E	3
LLNL	U-4ae	BH EMP	Yes	No	No	1	150 x 150	N/A	50	E	3
LLNL	UE-4af	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	E	5
LLNL	U-4ap	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
LANL	U-4u PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SE	2
LANL	U-4i	BH EMP	Yes	No	No	2	125 x 120	120 x 10	150	W	1
LLNL	U-4aq	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	SE	3
LLNL	U-4aj	BH EMP	Yes	No	No	1	150 x 150	N/A	50	W	3
LLNL	U-4ao CDS Test	BH TEST	No	No	Yes	1	100 x 25	N/A	50	E	5
LANL	U-4o	BH EMP	Yes	No	No	2	120 x 120	120 x 10	150	W	1
LLNL	U-4ab	BH EMP	Yes	No	No	1	150 x 150	N/A	50	W	3
LLNL	U-4ag	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	3
LANL	U-4ak PS #2A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	S	2
LLNL	UE-4aa	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	E	5
LANL	U-4s	BH EMP	Yes	No	No	1	150 x 150	N/A	50	W	1
LANL	U-4r	BH EMP	Yes	No	No	2	120 x 150	120 x 10	150	E	1
LLNL	U-4am PS #1A	BH POSTSHOT	No	Yes	No	1	97 x 50	N/A	50	S	4
AREA 5											
LLNL	U-5e	BH EMP	Yes	No	No	1	200 x 75	N/A	100	N	3
LLNL	U-5e PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	E	4

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Table C.1-2
Drill Holes Associated with FFACO Sites by Area
 (Page 6 of 13)

NTS Mud Pit FFACO Inclusion Data											
Associated Drill Hole Information			Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
Sponsor	Name	Type	Preshot Mud Pit	Postshot Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole	Direction from Hole	Category Number
Not Identified	Unknown #6 (Area 5)	Unknown	No	No	Yes	1	100 x 25	N/A	50	S	6
LLNL/DOD	UE-5n	BH EXPL	No	No	Yes	2	150 x 150	100 x 25	50	N	5
AREA 6											
LANL	U-6e	BH EMP	Yes	No	No	2	110 x 110	110 x 10	150	SW	3
LANL	U-6f	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	SE	1
LANL	UE-6e	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	E	5
AREA 7											
LANL	U-7bg	BH EMP	Yes	No	No	2	150 x 150	100 X 20	50	S	1
LANL	U-7bx	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NW	1
LANL	U-7an	BH EMP	Yes	No	No	2	115 x 100	80 x 25	100	SW	1
LANL	U-7br	BH EMP	Yes	No	No	2	140 x 100	100 x 30	150	N	1
LANL	U-7aw	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	SW	1
LANL	U-7bz	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	W	1
LANL	U-7ap	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SW	1
LANL/UK	U-7bw	BH EMP	Yes	No	No	1	150 x 150	N/A	50	W	1
LANL	U-7bt	BH EMP	Yes	No	No	2	150 x 150	100 x 75	50	E	1
LANL	U-7bh	BH EMP	Yes	No	No	2	100 x 100	100 x 10	60	NE	1
LLNL	U-7ar	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	3
LANL	U-7i PS #2D	BH POSTSHOT	No	Yes	No	1	75 x 20	N/A	50	E	2
LANL	U-7j PS #1D	BH POSTSHOT	No	Yes	No	1	75 x 10	N/A	50	N	2
LANL	U-7j PS #2D	BH POSTSHOT	No	Yes	No	1	75 x 10	N/A	50	N	2

Table C.1-2
Drill Holes Associated with FFACO Sites by Area
 (Page 7 of 13)

NTS Mud Pit FFACO Inclusion Data											
Associated Drill Hole Information			Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
Sponsor	Name	Type	Preshot Mud Pit	Postshot Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole	Direction from Hole	Category Number
LANL/UK	U-7by	BH EMP	Yes	No	No	2	150 x 150	100 x 25	50	W	1
LANL/UK	U-7cc	BH EMP	Yes	No	No	2	150 x 150	100 x 25	50	W	1
LANL	U-7bf	BH EMP	Yes	No	No	2	150 x 150	100 x 25	50	N	1
LANL	U-7ag	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	S	1
LANL	U-7bc	BH EMP	Yes	No	No	2	150 x 150	100 x 25	50	E	1
LANL	U-7be	BH EMP	Yes	No	No	2	125 x 100	100 x 10	50	W	1
LANL	UE-7k	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	NW	5
LANL	U-7ay	BH EMP	Yes	No	No	2	170 x 120	120 x 10	100	NW	1
AREA 8											
LLNL	UE-8e #2	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
LLNL	UE-8f	BH EMP	Yes	No	No	1	100 x 25	N/A	50	NE	3
LLNL	UE-8o	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	SE	5
AREA 9											
LLNL	U-9 ITS Z-26	BH EMP	Yes	No	No	2	150 x 75	75 x 35	150	E	3
LLNL	U-9 ITS X-28	BH EMP	Yes	No	No	2	150 x 60	75 x 20	150	E	3
LLNL	U-9 ITS X-28 PS #1A	BH POSTSHOT	No	Yes	No	1	75 x 20	N/A	35	SE	4
LLNL	U-9 ITS V-26	BH EMP	Yes	No	No	2	150 x 75	75 x 20	75	W	3
LLNL	U-9 ITS U-24	BH EMP	Yes	No	No	2	125 x 50	75 x 25	100	NW	3
LLNL	U-9 ITS W-21	BH EMP	Yes	No	No	2	75 x 50	75 x 25	150	NW	3
LLNL	U-9 ITS S-25	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NW	3
LLNL	U-9bz	BH EMP	Yes	No	No	1	125 x 75	N/A	100	SW	3

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Table C.1-2
Drill Holes Associated with FFACO Sites by Area
 (Page 8 of 13)

NTS Mud Pit FFACO Inclusion Data											
Associated Drill Hole Information			Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
Sponsor	Name	Type	Preshot Mud Pit	Postshot Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole	Direction from Hole	Category Number
LLNL	U-9 ITS X-22	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	3
LLNL	U-9cu Grout Test	BH TEST	No	No	Yes	1	100 x 25	N/A	50	NW	5
LLNL	U-9cp	BH EMP	Yes	No	No	1	150 x 150	N/A	50	W	3
LLNL	U-9yz-26	BH EMP	Yes	No	No	2	100 x 50	75 x 25	200	NE	3
LLNL	U-9yz-26 PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	25	NE	4
LLNL	U-9ch	BH EMP	Yes	No	No	1	200 x 75	N/A	100	W	3
LLNL	U-9k PS #1	BH POSTSHOT	No	Yes	No	1	45 x 15	N/A	30	N	4
LLNL	U-9 ITS V-27 PS #1A	BH POSTSHOT	No	Yes	No	1	50 x 10	N/A	30	SE	4
LLNL	U-9 ITS V-24 PS #1A	BH POSTSHOT	No	Yes	No	2	50 x 10	100 x 20	30	W	4
LLNL	U-9cv PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	N	4
LLNL	U-9 ITS W-22 PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	NW	4
LLNL	U-9bu PS #1A	BH POSTSHOT	No	Yes	No	1	120 x 12	N/A	100	NW	4
LLNL	U-9cn PS #1A	BH POSTSHOT	No	Yes	No	1	75 x 25	N/A	25	E	4
LLNL	U-9cm	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NW	3
LLNL	U-9 ITS XY-31	BH EMP	Yes	No	No	2	150 x 75	100 x 20	100	W	3
LLNL	U-9cr PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	NE	4
Not Identified	Unknown #3 (Area 9)	Unknown	No	No	Yes	1	100 x 25	N/A	50	N	6
LLNL	U-9 ITS Y-30	BH EMP	Yes	No	No	2	150 x 25	100 x 20	50	SW	3
LLNL	U-9 ITS X-27	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	3
LLNL	U-9 ITS AA-25	BH EMP	Yes	No	No	2	150 x 50	100 x 12	75	W	3
LLNL	U-9co	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
LLNL	U-9 ITS X-24	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	3

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Table C.1-2
Drill Holes Associated with FFAO Sites by Area
 (Page 9 of 13)

NTS Mud Pit FFAO Inclusion Data											
Associated Drill Hole Information			Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
Sponsor	Name	Type	Preshot Mud Pit	Postshot Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole	Direction from Hole	Category Number
LLNL	U-9 ITS Z-21	BH EMP	Yes	No	No	2	100 x 50	100 x 20	100	NE	3
LLNL	U-9 ITS Z-24	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	3
LLNL	U-9W-24.5	BH EMP	Yes	No	No	2	100 x 100	100 x 20	50	W	3
LLNL	U-9W-24.5 PS #1A	BH POSTSHOT	No	Yes	No	1	75 x 40	N/A	50	E	4
LLNL	U-9sS	BH EMP	Yes	No	No	2	125 x 25	100 x 25	40	N	3
LLNL	U-9cL PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	E	4
LLNL	U-9bi #1 PS #1A	BH POSTSHOT	No	Yes	No	1	75 x 25	N/A	40	NE	4
LLNL	U-9bi #2 Zero Station	BH EMP	Yes	No	No	2	125 x 75	100 x 40	75	N	3
LLNL	U-9 ITS UE-S-17	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	SW	5
LLNL	U-9 ITS UE-U-29 #2	BH INST	No	No	Yes	1	100 x 25	N/A	50	S	5
LLNL	U-9 ITS UE-U-22	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	W	5
AREA 10											
LLNL	U-10ax PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	25	E	4
LLNL	U-10aq PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	25	SW	4
LLNL	U-10ap #3 PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	50	NW	4
LLNL	U-10ap #1 PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	50	NW	4
LLNL	U-10a PS #2V	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	UNK	4
LLNL	U-10bg	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NW	3
LLNL	U-10bg PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	W	4
LLNL	U-10bh	BH EMP	Yes	No	No	1	150 x 150	N/A	50	N	3
LLNL	U-10ca	BH EMP	Yes	No	No	1	100 x 75	N/A	175	E	3

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Table C.1-2
Drill Holes Associated with FFACO Sites by Area
 (Page 10 of 13)

NTS Mud Pit FFACO Inclusion Data											
Associated Drill Hole Information			Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
Sponsor	Name	Type	Preshot Mud Pit	Postshot Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole	Direction from Hole	Category Number
LLNL	U-10an	BH EMP	Yes	No	No	2	175 x 75	125 x 50	125	NW	3
LLNL	U-10ar PS #1A	BH POSTSHOT	No	Yes	No	1	75 x 25	N/A	50	NE	4
LLNL	UE-10 ITS #1	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
LLNL	UE-10 ITS #2	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	NW	5
LLNL	U-10as PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	S	4
LLNL	U-10bb	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NW	3
LLNL	UE-10 ITS #3	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
LLNL	UE-10 ITS #6	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
LLNL	U-10d	BH EMP	Yes	No	No	2	150 x 25	100 x 20	50	W	3
LLNL	U-10ag PS #1A	BH POSTSHOT	No	Yes	No	1	50 x 12	N/A	50	W	4
AREA 14											
LANL/DOD	UE-14a	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
LANL/DOD	UE-14b	BH EXPL	No	No	Yes	1	150 x 150	N/A	50	SE	5
AREA 15											
LANL/DOD/SNL	Marble #3 (ME-3)	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	UNK	5
AREA 17											
LLNL	UE-17f Eleana	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	NW	5
AREA 19											
LANL	U-19ay PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	E	2
LANL	U-19x	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SW	1
LANL	U-19x PS #1D	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	S	2

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Table C.1-2
Drill Holes Associated with FFACO Sites by Area
 (Page 11 of 13)

NTS Mud Pit FFACO Inclusion Data											
Associated Drill Hole Information			Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
Sponsor	Name	Type	Preshot Mud Pit	Postshot Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole	Direction from Hole	Category Number
LANL	U-19ba	BH EMP	Yes	No	No	2	100 x 75	100 x 20	50	NW	1
LLNL	U-19q	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	3
LLNL	U-19t	BH EMP	Yes	No	No	2	150 x 150	100 x 25	50	N	3
LANL	U-19g Sandia Inst.	BH INST	No	No	Yes	1	100 x 25	N/A	50	E	5
LLNL/UK	U-19zS PS #1D	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SE	4
LANL	U-19af	BH EMP	Yes	No	No	2	100 x 100	75 x 10	120	SE	1
LANL	U-19ak	BH EMP	Yes	No	No	2	100 x 75	100 x 20	60	NW	1
LLNL	U-19e	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NE	3
Not Identified	U-19am	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NE	1
Not Identified	U-19bf	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NE	1
Not Identified	U-19bi	BH EMP	Yes	No	No	1	150 x 150	N/A	50	E	1
Not Identified	U-19bj	BH EMP	Yes	No	No	1	150 x 150	N/A	50	E	1
Not Identified	UE-19h	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	SW	5
Not Identified	Unknown #10 (Area 19)	Unknown	No	No	Yes	1	100 x 25	N/A	50	N	6
Not Identified	Unknown #7 (Area 19)	Unknown	No	No	Yes	1	100 x 25	N/A	50	NE	6
Not Identified	Unknown #8 (Area 19)	Unknown	No	No	Yes	1	100 x 25	N/A	50	W	6
Not Identified	Unknown #9 (Area 19)	Unknown	No	No	Yes	1	100 x 25	N/A	50	W	6
LANL	U-19aS	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NW	1
LLNL/UK	U-19ai	BH EMP	Yes	No	No	1	150 x 150	N/A	50	S	3
LLNL/UK	U-19ai PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	S	4
LANL	U-19L	BH EMP	Yes	No	No	2	100 x 50	100 x 20	400	N	1
LLNL	U-19ac	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	W	3

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Table C.1-2
Drill Holes Associated with FFAO Sites by Area
 (Page 12 of 13)

NTS Mud Pit FFAO Inclusion Data											
Associated Drill Hole Information			Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
Sponsor	Name	Type	Preshot Mud Pit	Postshot Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole	Direction from Hole	Category Number
LLNL	U-19ac PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SW	4
LANL	U-19ab	BH EMP	Yes	No	No	1	150 x 150	N/A	50	N	1
AREA 20											
LLNL	U-20c	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	W	3
LLNL	U-20c PS #1D	BH POSTSHOT	No	Yes	No	1	50 x 50	N/A	50	SW	4
LLNL	U-20i PS #1D	BH POSTSHOT	No	Yes	No	1	100 X 25	N/A	50	E	4
LLNL	U-20bd PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	NW	4
LANL	U-20a PPS #1D	BH PRE-POSTSHOT	No	Yes	No	2	100 x 100	100 x 50	25	NE	2
LLNL	U-20aj PS #1A	BH POSTSHOT	No	Yes	No	1	100 X 25	N/A	50	SW	4
LLNL	U-20n	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SW	3
LLNL	U-20n PS #1D	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SE	4
LLNL	UE-20bh #1	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
LLNL	UE-20n #1	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
LLNL	U-20ay PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SW	4
LLNL/UK	U-20aq PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	50	NE	4
LLNL	U-20ba	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SW	3
LLNL/UK	U-20aL PS #1A	BH POSTSHOT	No	Yes	No	1	100 X 25	N/A	50	W	4
LLNL/UK	U-20ah	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
LLNL	U-20g	BH EMP	Yes	No	No	1	250 x 125	N/A	125	E	3
LLNL	U-20av PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SE	4
LLNL	UE-20av	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	E	5

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Table C.1-2
Drill Holes Associated with FFACO Sites by Area
 (Page 13 of 13)

NTS Mud Pit FFACO Inclusion Data											
Associated Drill Hole Information			Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
Sponsor	Name	Type	Preshot Mud Pit	Postshot Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole	Direction from Hole	Category Number
LLNL	U-20ax PPS #1A	BH PRE-POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	S	4
LLNL	U-20e	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
LLNL	U-20e PS #1D	BH POSTSHOT	No	Yes	No	1	100 x 75	N/A	50	NE	4
LLNL	U-20af	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	W	3
LLNL	U-20ar	BH EMP	Yes	No	No	1	250 x 150	N/A	100	E	3
LLNL	U-20d PS #1D	BH POSTSHOT	No	Yes	No	1	120 x 100	N/A	75	W	4
LLNL	UE-20d	BH EXPL	No	No	Yes	1	115 x 115	N/A	210	SW	5
LLNL	U-20ag	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	W	3
Not Identified	Unknown #4 (Area 20)	Unknown	No	No	Yes	1	100 x 25	N/A	50	NW	6
Not Identified	Unknown #5 (Area 20)	Unknown	No	No	Yes	1	100 x 25	N/A	50	NW	6
LLNL	U-20v	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NE	3
LLNL	U-20v PS #1D	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	50	SE	4
LLNL	U-20an PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 45	N/A	50	SW	4
LLNL	U-20au	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
LLNL/DOD	UE-20p	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	NE	5
LLNL	UE-20ae	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	N	5
LLNL	U-20bb PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SW	4

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**Table C.1-3
Drill Holes Associated with FFAO Sites by Category**
(Page 1 of 14)

NTS Mud Pit FFAO Inclusion Data												
Associated Drill Hole Information				Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
DOE Area	Sponsor	Name	Type	Preshot Mud Pit	Post Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole (feet)	Direction from Hole	Category Number
CATEGORY 1												
01	LANL	U-1g	BH EMP	Yes	No	No	2	140 x 140	140 x 20	150	NW	1
01	LANL	U-1d	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NW	1
	LANL	U-1e	BH EMP	Yes	No	No	2	110 x 105	105 x 10	150	W	1
	LANL	U-1f	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NE	1
02	LLNL	U-2ct	BH EMP	Yes	No	No	1	250 x 250	N/A	100	SE	1
03	LANL	U-3gy	BH EMP	Yes	No	No	1	150 x 150	N/A	50	W	1
03	LANL	U-3gv	BH EMP	Yes	No	No	2	195 x 115	100 x 15	100	SW	1
03	LANL	U-3mk	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NW	1
	LANL	U-3mu	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	SW	1
03	LANL	U-3Lf	BH EMP	Yes	No	No	2	77 x 72	77 x 15	110	N	1
03	LANL	U-3mq	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NW	1
03	LANL	U-3kL	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	SW	1
03	LANL	U-3ke	BH EMP	Yes	No	No	2	150 x 150	100 x 25	50	SW	1
03	LANL	U-3mh	BH EMP	Yes	No	No	2	150 x 150	100 x 25	50	NW	1
03	LANL	U-3mt	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	SE	1
03	LANL	U-3mr	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NE	1
03	LANL	U-3Lb	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	1
03	LANL	U-3ko	BH EMP	Yes	No	No	1	150 x 150	N/A	50	W	1
03	LANL	U-3Lx	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NW	1

Table C.1-3
Drill Holes Associated with FFAO Sites by Category
 (Page 2 of 14)

NTS Mud Pit FFAO Inclusion Data												
Associated Drill Hole Information				Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
DOE Area	Sponsor	Name	Type	Preshot Mud Pit	Post Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole (feet)	Direction from Hole	Category Number
03	LANL	U-3hc	BH EMP	Yes	No	No	2	150 X 150	100 x 20	50	SE	1
03	LANL	U-3ka	BH EMP	Yes	No	No	2	150 X 150	100 x 20	50	SW	1
03	LANL	U-3Lp	BH EMP	Yes	No	No	2	150 X 150	100 X 20	50	E	1
04	LANL	U-4i	BH EMP	Yes	No	No	2	125 x 120	120 x 10	150	W	1
04	LANL	U-4o	BH EMP	Yes	No	No	2	120 x 120	120 x 10	150	W	1
04	LANL	U-4s	BH EMP	Yes	No	No	1	150 x 150	N/A	50	W	1
04	LANL	U-4r	BH EMP	Yes	No	No	2	120 x 150	120 x 10	150	E	1
06	LANL	U-6f	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	SE	1
07	LANL	U-7bg	BH EMP	Yes	No	No	2	150 x 150	100 X 20	50	S	1
	LANL	U-7bx	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NW	1
07	LANL	U-7an	BH EMP	Yes	No	No	2	115 x 100	80 x 25	100	SW	1
07	LANL	U-7br	BH EMP	Yes	No	No	2	140 x 100	100 x 30	150	N	1
07	LANL	U-7aw	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	SW	1
07	LANL	U-7bz	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	W	1
07	LANL	U-7ap	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SW	1
07	LANL/UK	U-7bw	BH EMP	Yes	No	No	1	150 x 150	N/A	50	W	1
07	LANL	U-7bt	BH EMP	Yes	No	No	2	150 x 150	100 x 75	50	E	1
07	LANL	U-7bh	BH EMP	Yes	No	No	2	100 x 100	100 x 10	60	NE	1
07	LANL/UK	U-7by	BH EMP	Yes	No	No	2	150 x 150	100 x 25	50	W	1
	LANL/UK	U-7cc	BH EMP	Yes	No	No	2	150 x 150	100 x 25	50	W	1
07	LANL	U-7bf	BH EMP	Yes	No	No	2	150 x 150	100 x 25	50	N	1

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Table C.1-3
Drill Holes Associated with FFAO Sites by Category
 (Page 3 of 14)

NTS Mud Pit FFAO Inclusion Data												
Associated Drill Hole Information				Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
DOE Area	Sponsor	Name	Type	Preshot Mud Pit	Post Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole (feet)	Direction from Hole	Category Number
07	LANL	U-7ag	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	S	1
07	LANL	U-7bc	BH EMP	Yes	No	No	2	150 x 150	100 x 25	50	E	1
07	LANL	U-7be	BH EMP	Yes	No	No	2	125 x 100	100 x 10	50	W	1
07	LANL	U-7ay	BH EMP	Yes	No	No	2	170 x 120	120 x 10	100	NW	1
19	LANL	U-19x	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SW	1
19	LANL	U-19ba	BH EMP	Yes	No	No	2	100 x 75	100 x 20	50	NW	1
19	LANL	U-19af	BH EMP	Yes	No	No	2	100 x 100	75 x 10	120	SE	1
19	LANL	U-19ak	BH EMP	Yes	No	No	2	100 x 75	100 x 20	60	NW	1
19	Not Identified	U-19am	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NE	1
19	Not Identified	U-19bf	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NE	1
19	Not Identified	U-19bi	BH EMP	Yes	No	No	1	150 x 150	N/A	50	E	1
19	Not Identified	U-19bj	BH EMP	Yes	No	No	1	150 x 150	N/A	50	E	1
19	LANL	U-19aS	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NW	1
19	LANL	U-19L	BH EMP	Yes	No	No	2	100 x 50	100 x 20	400	N	1
19	LANL	U-19ab	BH EMP	Yes	No	No	1	150 x 150	N/A	50	N	1
CATEGORY 2												
03	LANL	U-3bg PS #3	BH POSTSHOT	No	Yes	No	1	50 x 20	N/A	25	N	2
03	LANL	U-3kt PS #1D	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SE	2
03	LANL	U-3mh PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	E	2
03	LANL	U-3kq PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SW	2

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Table C.1-3
Drill Holes Associated with FFAO Sites by Category
 (Page 4 of 14)

NTS Mud Pit FFAO Inclusion Data												
Associated Drill Hole Information				Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
DOE Area	Sponsor	Name	Type	Preshot Mud Pit	Post Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole (feet)	Direction from Hole	Category Number
03	LANL	U-3Lc PS #1A	BH POSTSHOT	No	Yes	No	1	100 X 25	N/A	50	W	2
04	LANL	U-4u PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SE	2
04	LANL	U-4ak PS #2A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	S	2
07	LANL	U-7i PS #2D	BH POSTSHOT	No	Yes	No	1	75 x 20	N/A	50	E	2
07	LANL	U-7j PS #1D	BH POSTSHOT	No	Yes	No	1	75 x 10	N/A	50	N	2
	LANL	U-7j PS #2D	BH POSTSHOT	No	Yes	No	1	75 x 10	N/A	50	N	2
19	LANL	U-19ay PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	E	2
19	LANL	U-19x PS #1D	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	S	2
20	LANL	U-20a PPS #1D	BH PRE-POSTSHOT	No	Yes	No	2	100 x 100	100 x 50	25	NE	2
CATEGORY 3												
02	LLNL	U-2gk	BH EMP	Yes	No	No	1	150 x 150	N/A	50	E	3
02	LLNL	U-2ec	BH EMP	Yes	No	No	1	150 x 150	N/A	100	E	3
02	LLNL	U-2dd #1	BH EMP	Yes	No	No	2	75 x 50	40 x 20	50	SE	3
02	LLNL	U-2gd	BH EMP	Yes	No	No	1	200 x 200	N/A	100	SE	3
02	LLNL	U-2fg	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
02	LLNL	U-2gc	BH EMP	Yes	No	No	1	200 x 150	N/A	50	SE	3
02	LLNL	U-2dp	BH EMP	Yes	No	No	2	150 x 150	100 x 20	100	NW	3
02	LLNL	U-2az #3	BH EMP	Yes	No	No	2	120 x 50	100 x 20	120	N	3
02	LLNL	U-2az #2	BH EMP	Yes	No	No	2	150 x 50	150 x 25	120	E	3
02	LLNL	U-2do	BH EMP	Yes	No	No	1	110 x 110	N/A	110	SE	3

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Table C.1-3
Drill Holes Associated with FFAO Sites by Category
 (Page 5 of 14)

NTS Mud Pit FFAO Inclusion Data												
Associated Drill Hole Information				Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
DOE Area	Sponsor	Name	Type	Preshot Mud Pit	Post Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole (feet)	Direction from Hole	Category Number
02	LLNL	U-2ds	BH EMP	Yes	No	No	2	125 x 125	125 x 25	100	SE	3
02	LLNL	U-2cw	BH EMP	Yes	No	No	1	150 x 150	N/A	100	SE	3
02	LLNL	U-2dm	BH EMP	Yes	No	No	2	150 x 100	150 x 75	50	S	3
02	LLNL	U-2gi	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
02	LLNL	U-2cj	BH EMP	Yes	No	No	1	65 x 50	N/A	150	E	3
02	LLNL	U-2ea	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
02	LLNL	U-2bp #1 Zero Station	BH EMP	Yes	No	No	2	125 x 75	75 x 50	100	NE	3
02	LLNL	U-2bp #2 Zero Station	BH EMP	Yes	No	No	2	150 x 100	100 x 50	50	E	3
02	LLNL	U-2dc #4	BH EMP	Yes	No	No	1	100 x 75	N/A	75	NE	3
02	LLNL	U-2dc #2	BH EMP	Yes	No	No	1	100 x 75	N/A	100	E	3
02	LLNL	U-2dc #1	BH EMP	Yes	No	No	1	140 x 100	N/A	280	S	3
02	LLNL	U-2cv	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
02	LLNL	U-2ez	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
02	LLNL	U-2fh	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
04	LLNL	U-4ad	BH EMP	Yes	No	No	1	150 x 150	N/A	50	E	3
04	LLNL	U-4ae	BH EMP	Yes	No	No	1	150 x 150	N/A	50	E	3
04	LLNL	U-4ap	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
04	LLNL	U-4aq	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	SE	3
04	LLNL	U-4aj	BH EMP	Yes	No	No	1	150 x 150	N/A	50	W	3

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Table C.1-3
Drill Holes Associated with FFAO Sites by Category
 (Page 6 of 14)

NTS Mud Pit FFAO Inclusion Data												
Associated Drill Hole Information				Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
DOE Area	Sponsor	Name	Type	Preshot Mud Pit	Post Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole (feet)	Direction from Hole	Category Number
04	LLNL	U-4ab	BH EMP	Yes	No	No	1	150 x 150	N/A	50	W	3
	LLNL	U-4ag	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	3
05	LLNL	U-5e	BH EMP	Yes	No	No	1	200 x 75	N/A	100	N	3
06	LANL	U-6e	BH EMP	Yes	No	No	2	110 x 110	110 x 10	150	SW	3
07	LLNL	U-7ar	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	3
08	LLNL	UE-8f	BH EMP	Yes	No	No	1	100 x 25	N/A	50	NE	3
09	LLNL	U-9 ITS Z-26	BH EMP	Yes	No	No	2	150 x 75	75 x 35	150	E	3
09	LLNL	U-9 ITS X-28	BH EMP	Yes	No	No	2	150 x 60	75 x 20	150	E	3
09	LLNL	U-9 ITS V-26	BH EMP	Yes	No	No	2	150 x 75	75 x 20	75	W	3
09	LLNL	U-9 ITS U-24	BH EMP	Yes	No	No	2	125 x 50	75 x 25	100	NW	3
09	LLNL	U-9 ITS W-21	BH EMP	Yes	No	No	2	75 x 50	75 x 25	150	NW	3
09	LLNL	U-9 ITS S-25	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NW	3
09	LLNL	U-9bz	BH EMP	Yes	No	No	1	125 x 75	N/A	100	SW	3
09	LLNL	U-9 ITS X-22	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	3
09	LLNL	U-9cp	BH EMP	Yes	No	No	1	150 x 150	N/A	50	W	3
09	LLNL	U-9yz-26	BH EMP	Yes	No	No	2	100 x 50	75 x 25	200	NE	3
09	LLNL	U-9ch	BH EMP	Yes	No	No	1	200 x 75	N/A	100	W	3
09	LLNL	U-9cm	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	NW	3
09	LLNL	U-9 ITS XY-31	BH EMP	Yes	No	No	2	150 x 75	100 x 20	100	W	3
09	LLNL	U-9 ITS Y-30	BH EMP	Yes	No	No	2	150 x 25	100 x 20	50	SW	3
09	LLNL	U-9 ITS X-27	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	3

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Table C.1-3
Drill Holes Associated with FFACO Sites by Category
 (Page 7 of 14)

NTS Mud Pit FFACO Inclusion Data												
Associated Drill Hole Information				Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
DOE Area	Sponsor	Name	Type	Preshot Mud Pit	Post Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole (feet)	Direction from Hole	Category Number
09	LLNL	U-9 ITS AA-25	BH EMP	Yes	No	No	2	150 x 50	100 x 12	75	W	3
09	LLNL	U-9co	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
09	LLNL	U-9 ITS X-24	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	3
09	LLNL	U-9 ITS Z-21	BH EMP	Yes	No	No	2	100 x 50	100 x 20	100	NE	3
09	LLNL	U-9 ITS Z-24	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	3
09	LLNL	U-9W-24.5	BH EMP	Yes	No	No	2	100 x 100	100 x 20	50	W	3
09	LLNL	U-9sS	BH EMP	Yes	No	No	2	125 x 25	100 x 25	40	N	3
09	LLNL	U-9bi #2 Zero Station	BH EMP	Yes	No	No	2	125 x 75	100 x 40	75	N	3
10	LLNL	U-10bg	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NW	3
10	LLNL	U-10bh	BH EMP	Yes	No	No	1	150 x 150	N/A	50	N	3
10	LLNL	U-10ca	BH EMP	Yes	No	No	1	100 x 75	N/A	175	E	3
10	LLNL	U-10an	BH EMP	Yes	No	No	2	175 x 75	125 x 50	125	NW	3
10	LLNL	U-10bb	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NW	3
10	LLNL	U-10d	BH EMP	Yes	No	No	2	150 x 25	100 x 20	50	W	3
19	LLNL	U-19q	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	E	3
19	LLNL	U-19t	BH EMP	Yes	No	No	2	150 x 150	100 x 25	50	N	3
19	LLNL	U-19e	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NE	3
19	LLNL/UK	U-19ai	BH EMP	Yes	No	No	1	150 x 150	N/A	50	S	3
19	LLNL	U-19ac	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	W	3
20	LLNL	U-20c	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	W	3

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**Table C.1-3
Drill Holes Associated with FFAO Sites by Category**
(Page 8 of 14)

NTS Mud Pit FFAO Inclusion Data												
Associated Drill Hole Information				Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
DOE Area	Sponsor	Name	Type	Preshot Mud Pit	Post Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole (feet)	Direction from Hole	Category Number
20	LLNL	U-20n	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SW	3
20	LLNL	U-20ba	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SW	3
20	LLNL/UK	U-20ah	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
20	LLNL	U-20g	BH EMP	Yes	No	No	1	250 x 125	N/A	125	E	3
20	LLNL	U-20e	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
20	LLNL	U-20af	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	W	3
20	LLNL	U-20ar	BH EMP	Yes	No	No	1	250 x 150	N/A	100	E	3
20	LLNL	U-20ag	BH EMP	Yes	No	No	2	150 x 150	100 x 20	50	W	3
20	LLNL	U-20v	BH EMP	Yes	No	No	1	150 x 150	N/A	50	NE	3
20	LLNL	U-20au	BH EMP	Yes	No	No	1	150 x 150	N/A	50	SE	3
CATEGORY 4												
02	LLNL	U-2ev PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	35	SE	4
02	LLNL	U-2L PS #5	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SE	4
02	LLNL	U-2ge PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	50	E	4
02	LLNL	U-2ew PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	40	SE	4
	LLNL	U-2ew PS #2A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	40	SW	4
02	LLNL	U-2q PS #1A	BH POSTSHOT	No	Yes	No	1	90 x 40	N/A	50	S	4
02	LLNL	U-2dp PS #1A	BH POSTSHOT	No	Yes	No	1	75 x 50	N/A	50	SW	4
02	LLNL	U-2fc PS #1A	BH POSTSHOT	No	Yes	No	1	60 x 35	N/A	50	S	4
02	LLNL	U-2gg PS #2A	BH POSTSHOT	No	Yes	No	1	75 x 50	N/A	50	NE	4

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Table C.1-3
Drill Holes Associated with FFAO Sites by Category
 (Page 9 of 14)

NTS Mud Pit FFAO Inclusion Data												
Associated Drill Hole Information				Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
DOE Area	Sponsor	Name	Type	Preshot Mud Pit	Post Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole (feet)	Direction from Hole	Category Number
02	LLNL	U-2er PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	NE	4
02	LLNL	U-2bq #1 PS #1A	BH POSTSHOT	No	Yes	No	1	110 x 20	N/A	50	SW	4
02	LLNL	U-2bq #2 PS #1A	BH POSTSHOT	No	Yes	No	1	75 x 20	N/A	50	NE	4
02	LLNL	U-2f PS #1	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	E	4
02	LLNL	U-2ce PS #1A	BH POSTSHOT	No	Yes	No	1	30 x 12	N/A	30	NE	4
02	LLNL	U-2gf PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	50	NE	4
02	LLNL	U-2ea PS #1A	BH POSTSHOT	No	Yes	No	1	35 x 25	N/A	50	N	4
02	LLNL	U-2dc #6 PS #1A	BH POSTSHOT	No	Yes	No	1	60 x 15	N/A	35	NW	4
04	LLNL/UK	U-4av PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	S	4
04	LLNL	U-4am PS #1A	BH POSTSHOT	No	Yes	No	1	97 x 50	N/A	50	S	4
05	LLNL	U-5e PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	E	4
09	LLNL	U-9 ITS X-28 PS #1A	BH POSTSHOT	No	Yes	No	1	75 x 20	N/A	35	SE	4
09	LLNL	U-9yz-26 PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	25	NE	4
09	LLNL	U-9k PS #1	BH POSTSHOT	No	Yes	No	1	45 x 15	N/A	30	N	4
09	LLNL	U-9 ITS V-27 PS #1A	BH POSTSHOT	No	Yes	No	1	50 x 10	N/A	30	SE	4
09	LLNL	U-9 ITS V-24 PS #1A	BH POSTSHOT	No	Yes	No	2	50 x 10	100 x 20	30	W	4
09	LLNL	U-9cv PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	N	4
09	LLNL	U-9 ITS W-22 PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	NW	4

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Table C.1-3
Drill Holes Associated with FFAO Sites by Category
 (Page 10 of 14)

NTS Mud Pit FFAO Inclusion Data												
Associated Drill Hole Information				Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
DOE Area	Sponsor	Name	Type	Preshot Mud Pit	Post Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole (feet)	Direction from Hole	Category Number
09	LLNL	U-9bu PS #1A	BH POSTSHOT	No	Yes	No	1	120 x 12	N/A	100	NW	4
09	LLNL	U-9cn PS #1A	BH POSTSHOT	No	Yes	No	1	75 x 25	N/A	25	E	4
09	LLNL	U-9cr PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	NE	4
09	LLNL	U-9W-24.5 PS #1A	BH POSTSHOT	No	Yes	No	1	75 x 40	N/A	50	E	4
09	LLNL	U-9cl PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	E	4
09	LLNL	U-9bi #1 PS #1A	BH POSTSHOT	No	Yes	No	1	75 x 25	N/A	40	NE	4
10	LLNL	U-10ax PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	25	E	4
10	LLNL	U-10aq PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	25	SW	4
10	LLNL	U-10ap #3 PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	50	NW	4
10	LLNL	U-10ap #1 PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	50	NW	4
10	LLNL	U-10a PS #2V	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	UNK	4
10	LLNL	U-10bg PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	W	4
10	LLNL	U-10ar PS #1A	BH POSTSHOT	No	Yes	No	1	75 x 25	N/A	50	NE	4
10	LLNL	U-10as PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	S	4
10	LLNL	U-10ag PS #1A	BH POSTSHOT	No	Yes	No	1	50 x 12	N/A	50	W	4
19	LLNL/UK	U-19zS PS #1D	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SE	4
19	LLNL/UK	U-19ai PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	S	4
19	LLNL	U-19ac PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SW	4
20	LLNL	U-20c PS #1D	BH POSTSHOT	No	Yes	No	1	50 x 50	N/A	50	SW	4

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Table C.1-3
Drill Holes Associated with FFACO Sites by Category
 (Page 11 of 14)

NTS Mud Pit FFACO Inclusion Data												
Associated Drill Hole Information				Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
DOE Area	Sponsor	Name	Type	Preshot Mud Pit	Post Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole (feet)	Direction from Hole	Category Number
20	LLNL	U-20i PS #1D	BH POSTSHOT	No	Yes	No	1	100 X 25	N/A	50	E	4
20	LLNL	U-20bd PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	NW	4
20	LLNL	U-20aj PS #1A	BH POSTSHOT	No	Yes	No	1	100 X 25	N/A	50	SW	4
20	LLNL	U-20n PS #1D	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SE	4
20	LLNL	U-20ay PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SW	4
20	LLNL/UK	U-20aq PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	50	NE	4
20	LLNL/UK	U-20aL PS #1A	BH POSTSHOT	No	Yes	No	1	100 X 25	N/A	50	W	4
20	LLNL	U-20av PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SE	4
20	LLNL	U-20ax PPS #1A	BH PRE-POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	S	4
20	LLNL	U-20e PS #1D	BH POSTSHOT	No	Yes	No	1	100 x 75	N/A	50	NE	4
20	LLNL	U-20d PS #1D	BH POSTSHOT	No	Yes	No	1	120 x 100	N/A	75	W	4
20	LLNL	U-20v PS #1D	BH POSTSHOT	No	Yes	No	1	100 x 50	N/A	50	SE	4
20	LLNL	U-20an PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 45	N/A	50	SW	4
20	LLNL	U-20bb PS #1A	BH POSTSHOT	No	Yes	No	1	100 x 25	N/A	50	SW	4
CATEGORY 5												
01	LANL	UE-1i	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	W	5
01	LANL	UE-1p Eleana	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
01	LANL	UE-1L	BH EXPL	No	No	Yes	2	150 x 150	100 x 25	50	N	5
	LANL	UE-1q	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	SE	5
	LANL	UE-1r	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	N	5

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Table C.1-3
Drill Holes Associated with FFAO Sites by Category
 (Page 12 of 14)

NTS Mud Pit FFAO Inclusion Data												
Associated Drill Hole Information				Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
DOE Area	Sponsor	Name	Type	Preshot Mud Pit	Post Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole (feet)	Direction from Hole	Category Number
02	LLNL	UE-2ac	BH EXPL	No	No	Yes	1	100 x 25	N/A	100	E	5
02	LLNL	UE-2eu	BH EXPL	No	No	Yes	1	50 x 25	N/A	25	SW	5
02	LLNL	UE-2ad	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
02	LLNL	UE-2co	BH EXPL	No	No	Yes	1	75 x 30	N/A	200	SW	5
03	LANL	UE-3Lj/Inst.	BH EXPL_INST	No	No	Yes	1	100 x 25	N/A	50	W	5
04	LLNL	UE-4ai	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
04	LLNL	UE-4af	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	E	5
04	LLNL	U-4ao CDS Test	BH TEST	No	No	Yes	1	100 x 25	N/A	50	E	5
04	LLNL	UE-4aa	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	E	5
05	LLNL/DOD	UE-5n	BH EXPL	No	No	Yes	2	150 x 150	100 x 25	50	N	5
06	LANL	UE-6e	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	E	5
07	LANL	UE-7k	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	NW	5
08	LLNL	UE-8e #2	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
08	LLNL	UE-8o	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	SE	5
09	LLNL	U-9cu Grout Test	BH TEST	No	No	Yes	1	100 x 25	N/A	50	NW	5
09	LLNL	U-9 ITS UE-S-17	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	SW	5
09	LLNL	U-9 ITS UE-U-29 #2	BH INST	No	No	Yes	1	100 x 25	N/A	50	S	5
09	LLNL	U-9 ITS UE-U-22	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	W	5
10	LLNL	UE-10 ITS #1	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
	LLNL	UE-10 ITS #2	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	NW	5

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Table C.1-3
Drill Holes Associated with FFAO Sites by Category
 (Page 13 of 14)

NTS Mud Pit FFAO Inclusion Data												
Associated Drill Hole Information				Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
DOE Area	Sponsor	Name	Type	Preshot Mud Pit	Post Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole (feet)	Direction from Hole	Category Number
10	LLNL	UE-10 ITS #3	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
	LLNL	UE-10 ITS #6	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
14	LANL/DOD	UE-14a	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
	LANL/DOD	UE-14b	BH EXPL	No	No	Yes	1	150 x 150	N/A	50	SE	5
15	LANL/DOD/SNL	Marble #3 (ME-3)	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	UNK	5
17	LLNL	UE-17f Eleana	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	NW	5
19	LANL	U-19g Sandia Inst.	BH INST	No	No	Yes	1	100 x 25	N/A	50	E	5
19	Not Identified	UE-19h	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	SW	5
20	LLNL	UE-20bh #1	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
	LLNL	UE-20n #1	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	S	5
20	LLNL	UE-20av	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	E	5
20	LLNL	UE-20d	BH EXPL	No	No	Yes	1	115 x 115	N/A	210	SW	5
20	LLNL/DOD	UE-20p	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	NE	5
20	LLNL	UE-20ae	BH EXPL	No	No	Yes	1	100 x 25	N/A	50	N	5
CATEGORY 6												
02	Not Identified	Unknown #1 (Area 2)	Unknown	No	No	Yes	1	100 x 25	N/A	50	NE	6
02	Not Identified	Unknown #2 (Area 2)	Unknown	No	No	Yes	2	150 x 150	100 x 25	50	NW	6
05	Not Identified	Unknown #6 (Area 5)	Unknown	No	No	Yes	1	100 x 25	N/A	50	S	6

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Table C.1-3
Drill Holes Associated with FFACO Sites by Category
 (Page 14 of 14)

NTS Mud Pit FFACO Inclusion Data												
Associated Drill Hole Information				Mud Pit Type			Mud Pit Specifications			Mud Pit Location		Mud Pit Category
DOE Area	Sponsor	Name	Type	Preshot Mud Pit	Post Mud Pit	Other Mud Pit	Number of Pits	Return Pit Dimensions (feet)	Suction Pit Dimensions (feet)	Distance of Pit from Hole (feet)	Direction from Hole	Category Number
09	Not Identified	Unknown #3 (Area 9)	Unknown	No	No	Yes	1	100 x 25	N/A	50	N	6
19	Not Identified	Unknown #19 (Area 19)	Unknown	No	No	Yes	1	100 x 25	N/A	50	N	6
19	Not Identified	Unknown #7 (Area 19)	Unknown	No	No	Yes	1	100 x 25	N/A	50	NE	6
19	Not Identified	Unknown #8 (Area 19)	Unknown	No	No	Yes	1	100 x 25	N/A	50	W	6
19	Not Identified	Unknown #9 (Area 19)	Unknown	No	No	Yes	1	100 x 25	N/A	50	W	6
20	Not Identified	Unknown #4 (Area 20)	Unknown	No	No	Yes	1	100 x 25	N/A	50	NW	6
20	Not Identified	Unknown #5 (Area 20)	Unknown	No	No	Yes	1	100 x 25	N/A	50	NW	6

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Appendix D

Response to NDEP Comments

NEVADA ENVIRONMENTAL RESTORATION PROJECT DOCUMENT REVIEW SHEET

1. Document Title/Number: Mud Pit Identification Report, Nevada Test Site, Nevada		2. Document Date: September 2001		
3. Revision Number: 0		4. Originator/Organization: IT Corporation		
5. Responsible DOE/NV ERP Subproject Mgr.: Janet Appenzeller-Wing		6. Date Comments Due: August 31, 2001		
7. Review Criteria: Full				
8. Reviewer/Organization/Phone No.: NDEP		9. Reviewer's Signature:		
10. Comment Number/ Location	11. Type*	12. Comment	13. Comment Response	14. Accept
1)	M	<p>The NNSA/NV needs to expand as to why the 333 drill holes sharing a common/single mud pit were excluded from entry into the Federal Facility Agreement and Consent Order (FFACO). NNSA/NV's documentation makes it sound as if all 333 drill holes shared <i>one</i> mud pit. However, given that the drill holes are spread over a large area, this would be impractical. According to the Mud Pit Strategy (January 2001), it would appear that these pits should be included in the FFACO. NDEP needs to have documented how many mud pits are associated with these 333 drill holes, and if the mud pits are excluded from the FFACO, then an explanation needs to be provided.</p>	<p>Agree, the shared mud pit circumstances described in the Draft Mud Pit Identification Report requires further clarification. The 333 drill holes did not share one mud pit, rather they were involved in multiple sharing relationships. As the revised Table B.1-4 is reviewed, it should be noted that a total of 531 drill holes were determined to be involved in mud pit sharing relationships. Out of the 531 drill holes, 198 mud pits were identified and those mud pits were associated with 198 designated drill holes from the group. The other 333 drill holes were not reviewed any further because their associated mud pit had already been identified and captured. The following actions were taken to clarify these points:</p> <p>Figure 3-1 was included to graphically detail the sharing relationship and mud pit identification process for associated drill holes in a sharing relationship.</p> <p>Table B.1-4 was revised to include the 198 drill holes that were designated as being associated with mud pits. This table also includes the 333 drill holes that shared the mud pits, but did not require further review. The identification results for the 198 mud pits can be found in Appendices A, B, and C of the Mud Pit Identification Report. A new column was added to Table B-1-4 to direct you to the appropriate appendix which will detail the disposition for each of the 198 mud pits.</p> <p>Section 3.1 was revised to better explain the process. The section was revised as follows: "333 drill holes were reviewed and determined to have shared an associated common mud pit which would not require further review. Based on a review of historical photography and current site conditions it could be ascertained that a single mud pit was constructed to service multiple drill holes. Based on this interpretation, a single drill hole from the group was designated as being associated with a single mud pit to avoid unnecessary duplication (see Figure 3-1). Typically these drill holes were drilled in close proximity and within a few days of each other (see Appendix B, Table B.1-4, Drill Holes and Shared Mud Pits)."</p>	Yes

^a Comment Types: M = Mandatory, S = Suggested.

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