Nevada Environmental Management Operations Activity

DOE/NV--1502



Corrective Action Plan for Corrective Action Unit 366: Area 11 Plutonium Valley Dispersion Sites, Nevada National Security Site, Nevada

Controlled Copy No.:\_\_\_\_\_

Revision: 0

April 2013



U.S. Department of Energy National Nuclear Security Administration Nevada Field Office

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# CORRECTIVE ACTION PLAN FOR CORRECTIVE ACTION UNIT 366: AREA 11 PLUTONIUM VALLEY DISPERSION SITES, NEVADA NATIONAL SECURITY SITE, NEVADA

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

Controlled Copy No.\_\_\_\_ Revision: 0 April 2013



# CORRECTIVE ACTION PLAN FOR CORRECTIVE ACTION UNIT 366: AREA 11 PLUTONIUM VALLEY DISPERSION SITES, NEVADA NATIONAL SECURITY SITE, NEVADA

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|--------------|--|-------|-----------|
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Section: Table of Contents Revision: 0 Date: April 2013

# TABLE OF CONTENTS

| ACRO  | NYMS .  | AND A              | BBREVIAT           | TIONS  | vii |  |
|-------|---------|--------------------|--------------------|--|-----|--|
| EXECU | JTIVE S | SUMMA              | ARY                |  | ix  |  |
| 1.0   | INTRO   | DUCT               | ION                |  | 1   |  |
|       | 1.1     | PURPO              | SE                 |  | 1   |  |
|       | 1.2     | SCOPE              |                    |  | 1   |  |
|       | 1.3     | Corre              | ECTIVE ACT         | ION PLAN CONTENTS  | 1   |  |
| 2.0   | DETAI   |                    |                    | T OF WORK  |     |  |
| 2.0   | 2.1     | CORRECTIVE ACTIONS |                    |  |     |  |
|       | 2.1     | 2.1.1              |                    | er Action  |     |  |
|       |         | 2.1.1              | 2.1.1.1            | Corrective Action Site 11-23-01, Radioactively Contaminated        |     |  |
|       |         | 2.1.2              | Closure in         | Area A  1 Place  |     |  |
|       |         | 2.1.2              | 2.1.2.1            | Corrective Action Site 11-08-01, Contaminated Waste Dump #1        |     |  |
|       |         |                    | 2.1.2.2            | Corrective Action Site 11-08-02, Contaminated Waste Dump #2        |     |  |
|       |         |                    | 2.1.2.3            | Corrective Action Site 11-23-02, Radioactively Contaminated Area B |     |  |
|       |         |                    | 2.1.2.4            | Corrective Action Site 11-23-03, Radioactively Contaminated Area C |     |  |
|       |         |                    | 2.1.2.5            | Corrective Action Site 11-23-04, Radioactively Contaminated Area D |     |  |
|       |         |                    | 2.1.2.6            | Best Management Practices  |     |  |
|       | 2.2     | CONST              | RUCTION C          | QUALITY ASSURANCE/QUALITY CONTROL                                  |     |  |
|       |         | 2.2.1              | Construct          | ion Field Sample Collection Activities                             | 9   |  |
|       |         | 2.2.2              | Construct          | ion Laboratory/Analytical Data Quality Indicators                  | 9   |  |
|       | 2.3     |                    |                    | MENT   |     |  |
|       |         | 2.3.1              |                    | nimization   |     |  |
|       |         | 2.3.2              |                    | pes  |     |  |
|       |         |                    | 2.3.2.1<br>2.3.2.2 | Sanitary WasteLow-Level Waste                                      |     |  |
|       |         |                    | 2.3.2.2            | Decontamination Waste  |     |  |
|       | 2.4     | CONE               |                    | F CORRECTIVE ACTIONS   |     |  |
|       | 2.5     |                    |                    | T CORRECTIVE ACTIONS   |     |  |
|       | 2.3     | 2.5.1              |                    | Environmental Policy Act Checklist                                 |     |  |
|       |         | 2.5.2              |                    | te/Operations Permit   |     |  |
|       |         | 2.5.3              |                    | cal Work Permit  |     |  |
|       |         | 2.5.4              |                    | earances, Excavation Permits, and Blind Penetration Permits        |     |  |
| 3.0   | SCHEI   | OULE               |                    |  | 13  |  |
| 4.0   | POST-   | CLOSU              | RE PLAN.           |  | 15  |  |
|       | 4.1     | INSPEC             | CTIONS             |  | 15  |  |
|       | 4.2     | Monitoring         |                    |  |     |  |
|       | 4.3     | MAINT              | ENANCE AN          | ND REPAIR  | 15  |  |
| 5.0   | REFER   |                    |                    |  |     |  |
| LIBRA | ARY DI  | STRIB              | UTION L            | IST  |     |  |

CAU 366 CAP Section: Table of Contents Revision: 0 Date: April 2013

# **TABLE OF CONTENTS (continued)**

| LIST OF FIGURES  |   |
|--|---|
| FIGURE 1. CORRECTIVE ACTION UNIT 366 SITE LOCATION MAP                             | 2 |
| FIGURE 2. CORRECTIVE ACTION SITE LOCATIONS AND PROPOSED USE RESTRICTION BOUNDARIES | e |
| LIST OF TABLES   |   |
| TABLE 1. CORRECTIVE ACTION UNIT 366 CLOSURE ACTIVITIES                             | 3 |
| LIST OF APPENDICES   |   |
| APPENDIX A. ENGINEERING SPECIFICATIONS AND DRAWINGS                                |   |
| APPENDIX B. SAMPLING AND ANALYSIS PLAN   |   |
| APPENDIX C. ACTIVITY ORGANIZATION  |   |

Section: Acronyms and Abbr.

Revision: 0 Date: April 2013

### ACRONYMS AND ABBREVIATIONS

CA Contamination Area

CADD Corrective Action Decision Document

CAP Corrective Action Plan
CAS Corrective Action Site
CAU Corrective Action Unit
COC contaminant of concern

CWD contaminated waste dump

DQI data quality indicator

FAL final action level

FFACO Federal Facility Agreement and Consent Order

ft foot (feet)

HCA High Contamination Area

LLW low-level waste

mrem/OU-yr millirem(s) per Occasional Use Area year

NDEP Nevada Division of Environmental Protection

NNSA U.S. Department of Energy, National Nuclear Security Administration

NNSA/NSO U.S. Department of Energy, National Nuclear Security Administration

Nevada Site Office

PPE personal protective equipment

QA/QC quality assurance/quality control

REOP Real Estate/Operations Permit

RMA Radioactive Material Area

RWP Radiological Work Permit

TED total effective dose

UR use restriction

URMA Underground Radioactive Material Area

Section: Acronyms and Abbr. Revision: 0 Date: April 2013

Revision: 0 Date: April 2013

### **EXECUTIVE SUMMARY**

This Corrective Action Plan has been prepared for Corrective Action Unit (CAU) 366, Area 11 Plutonium Valley Dispersion Sites, in accordance with the *Federal Facility Agreement and Consent Order* (FFACO, 1996 as amended). CAU 366 consists of the following six Corrective Action Sites (CASs) located in Area 11 of the Nevada National Security Site:

- · CAS 11-08-01, Contaminated Waste Dump #1
- CAS 11-08-02, Contaminated Waste Dump #2
- · CAS 11-23-01, Radioactively Contaminated Area A
- CAS 11-23-02, Radioactively Contaminated Area B
- CAS 11-23-03, Radioactively Contaminated Area C
- CAS 11-23-04, Radioactively Contaminated Area D

Site characterization activities were performed in 2011 and 2012, and the results are presented in Appendix A of the Corrective Action Decision Document (CADD) for CAU 366 (U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office [NNSA/NSO], 2012a). The following closure alternatives were recommended in the CADD:

- No further action for CAS 11-23-01
- · Closure in place for CASs 11-08-01, 11-08-02, 11-23-02, 11-23-03, and 11-23-04

The scope of work required to implement the recommended closure alternatives includes the following:

- Non-engineered soil covers approximately 3 feet thick will be constructed at CAS 11-08-01 over contaminated waste dump (CWD) #1 and at CAS 11-08-02 over CWD #2.
- FFACO use restrictions (URs) will be implemented for the areas where the total effective dose (TED) exceeds the final action level (FAL) of 25 millirems per Occasional Use Area year (mrem/OU-yr). The FAL is based on an assumption that the future use of the site includes occasional work activities and that workers will not be assigned to the area on a regular basis. A site worker under this scenario is assumed to be on site for a maximum of 80 hours per year for 5 years. The FFACO UR boundaries will encompass the areas where a worker would be exposed to 25 millirems of radioactivity per year if they are present for 80 hours per year. These boundaries will be defined as follows:
  - It is assumed that radiological contaminants are present at CAS 11-08-01 and CAS 11-08-02 within CWDs #1 and #2 at levels exceeding the FAL. Therefore, UR boundaries will be established around the perimeters of the soil covers that will be constructed at CWD #1 and CWD #2. A geophysical survey revealed buried metallic debris outside the fence and adjacent to CWD #1. Therefore, the UR boundary for CWD #1 will be expanded to include the mound containing buried material.
  - It is assumed that radiological contaminants are present at CAS 11-23-02, CAS 11-23-03, and CAS 11-23-04, within the three High Contamination Area (HCA) boundaries associated with the 11b, 11c, and 11d test areas at levels exceeding the FAL. Therefore, the UR boundaries will be established around the perimeters of the HCAs. The TED at an area of soil impacted by radiological debris outside the fence and adjacent to the 11c test area HCA exceeds the FAL of 25 mrem/OU-yr. Because the radiological impact from the debris at this location is visible on the aerial flyover

Section: Executive Summary

Revision: 0 Date: April 2013

## **EXECUTIVE SUMMARY (continued)**

radiological survey, all other areas within this isopleth of the flyover survey are conservatively also assumed to exceed the FAL. Therefore, the UR boundaries for the 11b, 11c, and 11d test areas will be expanded to include the areas within this isopleth.

The FFACO URs will all be located within the large Contamination Area (CA) that
encompasses Plutonium Valley. Because access to the CA is limited and entry into the CA
for post-closure inspections and maintenance would be impractical, UR warning signs will be
posted along the existing CA fence.

In accordance with the *Soils Risk-Based Corrective Action Evaluation Process* (NNSA/NSO, 2012b), an administrative UR will be implemented as a best management practice for the areas where the TED exceeds 25 millirems per Industrial Area year. This limit is based on continuous industrial use of the site and addresses exposure to industrial workers who would regularly be assigned to the work area for an entire career (250 days per year, 8 hours per day, for 25 years). Establishing an administrative UR will prevent inadvertent exposure of workers to radioactivity if a more intensive use of the site were to be considered in the future.

As a precautionary measure, the administrative UR boundary will be expanded to include the areas where removable contamination is present that exceeds the criterion for a CA. This will further ensure that workers will not perform future activities within this area without being notified of the presence of site contaminants. Therefore, the administrative UR boundary will be established around the perimeters of the large CA that encompasses the site and the CAs associated with the decontamination station and hot park.

CAU 366 CAP Section: Introduction Revision: 0

Date: April 2013

#### 1.0 INTRODUCTION

This Corrective Action Plan (CAP) has been prepared in accordance with the Federal Facility Agreement and Consent Order (FFACO, 1996 as amended). Corrective Action Unit (CAU) 366, Area 11 Plutonium Valley Dispersion Sites, is located in Area 11 of the Nevada National Security Site and consists of the following six Corrective Action Sites (CASs) (Figure 1):

- CAS 11-08-01, Contaminated Waste Dump #1
- CAS 11-08-02, Contaminated Waste Dump #2
- CAS 11-23-01, Radioactively Contaminated Area A
- CAS 11-23-02, Radioactively Contaminated Area B
- CAS 11-23-03, Radioactively Contaminated Area C
- CAS 11-23-04, Radioactively Contaminated Area D

#### 1.1 **PURPOSE**

Site history and characterization results are provided in the Corrective Action Investigation Plan (U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office [NNSA/NSO], 2011) and Corrective Action Decision Document (CADD) (NNSA/NSO, 2012a). This CAP presents the scope of work required to implement the recommended corrective actions, as specified in Section 4.0 of the CADD.

#### 1.2 **SCOPE**

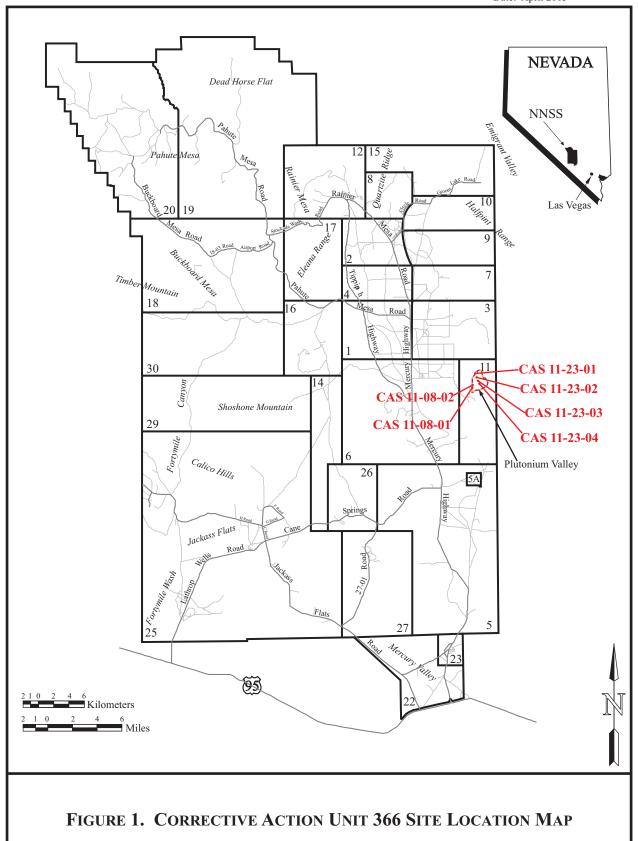
Closure activities include construction of non-engineered soil covers approximately 3 feet (ft) thick over contaminated waste dump (CWD) #1 and CWD #2 and implementation of use restrictions (URs) for the areas that exceed the final action level (FAL) of 25 millirems per Occasional Use Area year (mrem/OU-yr). Table 1 presents a summary of closure activities. Details are presented in Section 2.0.

#### 1.3 **CORRECTIVE ACTION PLAN CONTENTS**

This CAP consists of the following sections and appendices:

- Section 1.0: Introduction
- Section 2.0: Detailed Statement of Work
- Section 3.0: Schedule
- Section 4.0: Post-Closure Plan
- Section 5.0: References
- Appendix A: Engineering Specifications and Drawings
- Appendix B: Sampling and Analysis Plan
- Appendix C: Activity Organization
- Library Distribution List

CAU 366 CAP Section: Introduction Revision: 0 Date: April 2013



CAU 366 CAP Section: Introduction Revision: 0 Date: April 2013

TABLE 1. CORRECTIVE ACTION UNIT 366 CLOSURE ACTIVITIES

| CAS      | Name                                    | <b>Closure Method</b> | COCs         | Scope of Work  |
|----------|---|-----------------------|--------------|--|
| 11-08-01 | Contaminated<br>Waste Dump #1           | Closure in Place      | Radiological | <ul> <li>Construct a non-engineered soil cover approximately 3 ft thick over the landfill.</li> <li>Place concrete monuments at the corners of the landfill cover, post UR warning signs on the monuments and CA fence, and implement a UR around the perimeter of the soil cover and adjacent mound containing buried metallic debris.</li> </ul> |
| 11-08-02 | Contaminated<br>Waste Dump #2           | Closure in Place      | Radiological | <ul> <li>Construct a non-engineered soil cover approximately 3 ft thick over the landfill.</li> <li>Place concrete monuments at the corners of the landfill cover, post UR warning signs on the monuments and CA fence, and implement a UR around the perimeter of the soil cover.</li> </ul>  |
| 11-23-01 | Radioactively<br>Contaminated<br>Area A | No Further Action     | None         | None   |
| 11-23-02 | Radioactively<br>Contaminated<br>Area B | Closure in Place      | Radiological | Post UR warning signs on the CA fence and implement a UR for the HCA associated with the 11b test area and adjacent soil impacted by radiological debris.  |
| 11-23-03 | Radioactively<br>Contaminated<br>Area C | Closure in Place      | Radiological | Post UR warning signs on the CA fence and implement a UR for the HCA associated with the 11c test area and adjacent soil impacted by radiological debris.  |
| 11-23-04 | Radioactively<br>Contaminated<br>Area D | Closure in Place      | Radiological | Post UR warning signs on the CA fence and implement a UR for the HCA associated with the 11d test area and adjacent soil impacted by radiological debris.  |

CA: Contamination Area CAS: Corrective Action Site COC: contaminant of concern

ft: foot (feet)

HCA: High Contamination Area

UR: use restriction

CAU 366 CAP Section: Introduction Revision: 0 Date: April 2013

CAU 366 CAP Section: Detailed SOW Revision: 0

Date: April 2013

### 2.0 DETAILED STATEMENT OF WORK

The approved corrective actions for CAU 366, as evaluated in Section 3.0 of the CADD and identified in Section 4.0 of the CADD (NNSA/NSO, 2012a), include the following:

- CAS 11-08-01, Contaminated Waste Dump #1: Closure in Place
- · CAS 11-08-02, Contaminated Waste Dump #2: Closure in Place
- · CAS 11-23-01, Radioactively Contaminated Area A: No Further Action
- · CAS 11-23-02, Radioactively Contaminated Area B: Closure in Place
- · CAS 11-23-03, Radioactively Contaminated Area C: Closure in Place
- · CAS 11-23-04, Radioactively Contaminated Area D: Closure in Place

#### 2.1 CORRECTIVE ACTIONS

The corrective action alternatives are identified in the CADD (NNSA/NSO, 2012a) and were approved by the Nevada Division of Environmental Protection (NDEP).

#### 2.1.1 No Further Action

#### 2.1.1.1 Corrective Action Site 11-23-01, Radioactively Contaminated Area A

This site consists of the soil impacted as a result of safety experiment Project 56 No. 1. The safety experiment was detonated at test area 11a on November 1, 1955. The 11a test area is not fenced or posted as a High Contamination Area (HCA). No radiological contamination associated with the 11a test area was identified that exceeds the FAL of 25 mrem/OU-yr. Figure 2 shows the location of CAS 11-23-01.

#### 2.1.2 Closure in Place

#### 2.1.2.1 Corrective Action Site 11-08-01, Contaminated Waste Dump #1

CWD #1 was used to dispose of wooden structures that the test devices were placed in, sand that surrounded the test beds that became radiologically contaminated, contaminated clothing and equipment, and other items such as cable, metal, and various items associated with the test activities. CWD #1 measures approximately 105 by 93 ft, and is posted as an Underground Radioactive Material Area (URMA). The URMA is located southwest of the four test areas within the large Contamination Area (CA) that encompasses Plutonium Valley. Figure 2 shows the location of CAS 11-08-01.

A non-engineered soil cover approximately 3 feet thick will be constructed over CWD #1. Before construction of the cover, radiological surveys will be performed in a buffer area of approximately 50 ft in the CA surrounding the CWD. In addition, the access route to the edge of the landfill will be surveyed. This will identify posting requirements for the work area around the CWD and for heavy equipment and personnel access. Clean fill may be placed in the work area to allow for downposting of the CA. Clean soil will then be placed over the CWD in lifts of approximately 6 inches and wheel rolled for compaction. The side slopes of the cover will be approximately 2:1. Concrete monuments will be installed at the corners of the landfill cover.

CAU 366 CAP Section: Detailed SOW Revision: 0

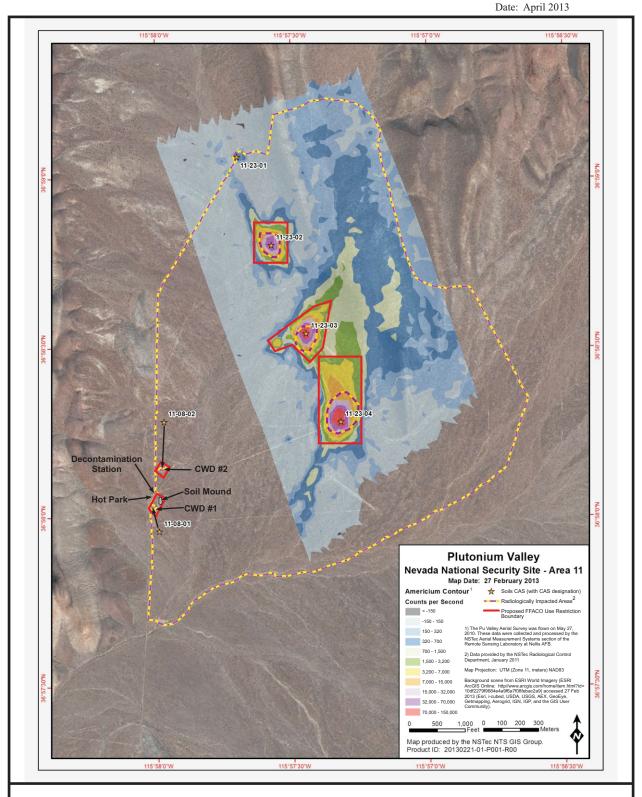


FIGURE 2. CORRECTIVE ACTION SITE LOCATIONS AND PROPOSED USE RESTRICTION BOUNDARIES

Because it is assumed that radiological contaminants are present within CWD #1 at levels exceeding the FAL of 25 mrem/OU-yr, a FFACO UR will be implemented. The UR boundary will be established around the perimeter of the soil cover. In addition, a geophysical survey revealed buried metallic debris outside the fence and adjacent to CWD #1. Therefore, the UR boundary for CWD #1 will be expanded to include the mound containing buried material. Figure 2 shows the proposed UR boundary for CAS 11-08-01.

UR warning signs will be attached to the concrete monuments located at the corners of the landfill cover and along the existing CA fence that encompasses Plutonium Valley. The landfill, surrounding buffer area, and access route will be properly posted for radiological concerns per the Radiological Control Manual (Radiological Control Managers' Council, 2012). The access route to the landfill and surrounding buffer area are expected to be a Radioactive Material Area (RMA), and the landfill itself is expected to be an URMA. This will allow for more convenient access to the landfill for post-closure inspections and repairs, as entry to the landfill through a CA would be impractical.

### 2.1.2.2 Corrective Action Site 11-08-02, Contaminated Waste Dump #2

CWD #2 was used to dispose of wooden structures that held the test devices, radiologically contaminated sand that surrounded the test beds, contaminated clothing and equipment, and other items such as cable, metal, and various items associated with the test activities. CWD #2 measures approximately 92 by 78 ft, and is posted as an HCA. Partially buried cable and other debris are visible within the boundary of CWD #2. The HCA is located southwest of the four test areas within the large CA that encompasses Plutonium Valley. Figure 2 shows the location of CAS 11-08-02.

A non-engineered soil cover approximately 3 feet thick will be constructed over CWD #2. The top of the soil cover will be at least 3 feet higher than the elevation of visible debris that was partially buried in the landfill. Before construction of the cover, radiological surveys will be performed in a buffer area of approximately 50 ft in the CA surrounding the CWD. In addition, the access route to the edge of the landfill will be surveyed. This will identify posting requirements for the work area around the CWD for heavy equipment and personnel access. Clean fill may be placed in the work area to allow for downposting of the CA. Clean soil will then be placed over the CWD in lifts of approximately 6 inches and wheel rolled for compaction. The side slopes of the cover will be approximately 2:1. Concrete monuments will be installed at the corners of the landfill cover.

Because it is assumed that radiological contaminants are present within CWD #2 at levels exceeding the FAL of 25 mrem/OU-yr, a FFACO UR will be implemented. The UR boundary will be established around the perimeter of the soil cover. Figure 2 shows the proposed UR boundary for CAS 11-08-02.

UR warning signs will be attached to the concrete monuments located at the corners of the landfill cover and along the existing CA fence that encompasses Plutonium Valley. The landfill, surrounding buffer area, and access route will be properly posted for radiological concerns per the Radiological Control Manual (Radiological Control Managers' Council, 2012). The access route to the landfill and surrounding buffer area are expected to be an RMA, and the landfill itself is expected to be an URMA. This will allow for more convenient access to the landfill for post-closure inspections and repairs, as entry to the landfill through a CA would be impractical.

### 2.1.2.3 Corrective Action Site 11-23-02, Radioactively Contaminated Area B

This site consists of the soil impacted as a result of safety experiment Project 56 No. 2. The safety experiment was detonated at test area 11b on November 3, 1955. The 11b test area is fenced and posted as an HCA. Figure 2 shows the location of CAS 11-23-02.

Because it is assumed that radiological contaminants are present within the HCA associated with the 11b test area at levels exceeding the FAL of 25 mrem/OU-yr, a FFACO UR will be implemented. The UR boundary will be established around the isopleth of the aerial flyover radiological survey that corresponds to the isopleth in which radiological debris is located outside the fence and adjacent to the 11c test area HCA that exceeds the FAL of 25 mrem/OU-yr. Figure 2 shows the proposed UR boundary for CAS 11-23-02.

UR warning signs will be posted along the existing CA fence that encompasses Plutonium Valley.

#### 2.1.2.4 Corrective Action Site 11-23-03, Radioactively Contaminated Area C

This site consists of the soil impacted as a result of safety experiment Project 56 No. 3. The safety experiment was detonated at test area 11c on November 5, 1955. The 11c test area is fenced and posted as an HCA. Figure 2 shows the location of CAS 11-23-03.

Because it is assumed that radiological contaminants are present within the HCA associated with the 11c test area at levels exceeding the FAL of 25 mrem/OU-yr, a FFACO UR will be implemented. The UR boundary will be established around the isopleth of the aerial flyover radiological survey that corresponds to the isopleth in which radiological debris is located outside the fence and adjacent to the 11c test area HCA that exceeds the FAL of 25 mrem/OU-yr. Figure 2 shows the proposed UR boundary for CAS 11-23-03.

UR warning signs will be posted along the existing CA fence that encompasses Plutonium Valley.

#### 2.1.2.5 Corrective Action Site 11-23-04, Radioactively Contaminated Area D

This site consists of the soil impacted as a result of safety experiment Project 56 No. 4. The safety experiment was detonated at test area 11d on January 18, 1956. The 11d test area is fenced and posted as an HCA. Figure 2 shows the location of CAS 11-23-04.

Because it is assumed that radiological contaminants are present within the HCA associated with the 11d test area at levels exceeding the FAL of 25 mrem/OU-yr, a FFACO UR will be implemented. The UR boundary will be established around the isopleth of the aerial flyover radiological survey that corresponds to the isopleth in which radiological debris is located outside the fence and adjacent to the 11c test area HCA that exceeds the FAL of 25 mrem/OU-yr. Figure 2 shows the proposed UR boundary for CAS 11-23-04.

UR warning signs will be posted along the existing CA fence that encompasses Plutonium Valley.

#### 2.1.2.6 Best Management Practices

In accordance with the *Soils Risk-Based Corrective Action Evaluation Process* (NNSA/NSO, 2012b), an administrative UR will be implemented as a best management practice for the areas where the TED exceeds 25 millirems per Industrial Area year. This limit is based on continuous industrial use of the site and addresses exposure to industrial workers who would regularly be

assigned to the work area for an entire career (250 days per year, 8 hours per day, for 25 years). Establishing an administrative UR will prevent inadvertent exposure of workers to radioactivity if a more intensive use of the site were to be considered in the future.

As a precautionary measure, the administrative UR boundary will be expanded to include the areas where removable contamination is present that exceeds the criterion for a CA. This will further ensure that workers will not perform future activities within this area without being notified of the presence of site contaminants. Therefore, the administrative UR boundary will be established around the perimeters of the large CA that encompasses the site and the CAs associated with the decontamination station and hot park.

# 2.2 CONSTRUCTION QUALITY ASSURANCE/QUALITY CONTROL

No engineered structures will be constructed. Therefore, a construction quality assurance/quality control (QA/QC) plan is not required.

#### 2.2.1 Construction Field Sample Collection Activities

Field samples are not required to certify construction activities for closure of CAU 366.

#### 2.2.2 Construction Laboratory/Analytical Data Quality Indicators

Closure activities are limited to construction of two non-engineered soil covers and implementation of URs. A construction QA/QC plan is not required, and construction data quality indicators (DQIs) are not applicable. To ensure that the material used to construct the covers remains consistent, all fill will be taken from an approved borrow source.

#### 2.3 WASTE MANAGEMENT

Waste will be managed and disposed according to applicable federal and state regulations and company waste management procedures. Closure activities are expected to generate low-level waste (LLW) in the form of personal protective equipment (PPE) used during closure activities. Confirmation of waste disposal will be included in the CAU 366 Closure Report.

#### 2.3.1 Waste Minimization

The volume of waste generated will be minimized to the maximum extent feasible. Waste will be properly characterized and segregated to avoid the generation of additional waste.

### 2.3.2 Waste Types

#### 2.3.2.1 Sanitary Waste

Any sanitary waste generated (e.g., non-impacted PPE and general trash) and construction debris (e.g., wood, concrete, metal, plastic) removed from sites will be radiologically screened for free release (Radiological Control Managers' Council, 2012) and disposed as sanitary waste in an onsite permitted landfill.

CAU 366 CAP Section: Detailed SOW Revision: 0

Date: April 2013

#### 2.3.2.2 Low-Level Waste

PPE used during closure activities will be disposed as LLW. LLW will be managed and disposed according to all applicable federal and state regulations and company waste management procedures. LLW will be packaged under the guidance of a Waste Certification Official and Waste Generator Services personnel. LLW will be stored in a Radioactive Material Area until a waste disposal profile is prepared and approved, and transport to an appropriate disposal facility can be arranged.

#### 2.3.2.3 Decontamination Waste

Equipment will be surveyed prior to release. Equipment that becomes contaminated will be decontaminated on site. Dry decontamination will be the preferred method. For larger pieces of equipment that cannot be effectively decontaminated using dry decontamination techniques, wet decontamination techniques will be used. Decontamination rinsate will be managed appropriately according to applicable regulations and, once characterized, properly disposed.

#### 2.4 CONFIRMATION OF CORRECTIVE ACTIONS

Completion of corrective actions will be verified by visual inspection and photographic documentation of final site conditions. Verification samples are not required; therefore, a sampling and analysis plan and DQIs are not applicable.

#### 2.5 PERMITS

Prior to beginning closure activities, planning documents and permits will be prepared. These documents will include a *National Environmental Policy Act* Checklist, a Real Estate/Operations Permit (REOP), Radiological Work Permits (RWPs), and excavation/penetration permits.

#### 2.5.1 National Environmental Policy Act Checklist

A *National Environmental Policy Act* Checklist will be completed prior to closure activities. Closure activities will follow all applicable federal, state, and local laws, regulations, and permits regarding protection of the environment.

#### 2.5.2 Real Estate/Operations Permit

A REOP will be obtained prior to closure activities. The REOP is the work authorization document used by National Security Technologies, LLC, to authorize a scope of work with known risks, hazards, and hazard mitigations.

#### 2.5.3 Radiological Work Permit

An RWP will be required. The RWP will inform workers of the specific PPE required and identify site-specific controls. Workers will be required to sign the RWP and acknowledge their understanding of the requirements before entry into a radiologically controlled area. The RWP will be maintained by the Radiological Control Technician at the entrance to the radiologically controlled area. All site workers will be required to be Radiation Worker II-trained to perform work within a radiologically controlled area.

### 2.5.4 Utility Clearances, Excavation Permits, and Blind Penetration Permits

An excavation/penetration permit will be obtained prior to excavation and penetration activities. The permit requires that a utility clearance be performed. A copy of the permit will be filed on site throughout the duration of the project.

CAU 366 CAP Section: Schedule Revision: 0 Date: April 2013

# 3.0 SCHEDULE

All preparation and field activities are scheduled for completion in fiscal year 2013. Sufficient flexibility will be incorporated into the field schedule to allow for minor difficulties (e.g., weather, equipment failure). The U.S. Department of Energy, National Nuclear Security Administration Nevada Field Office shall notify NDEP of any condition or event that may impact the project schedule.

CAU 366 CAP Section: Schedule Revision: 0 Date: April 2013

CAU 366 CAP Section: Post-Closure Plan

Revision: 0 Date: April 2013

### 4.0 POST-CLOSURE PLAN

The following CASs will be closed in place with administrative controls, and URs will be implemented to prohibit any unauthorized intrusive activities:

- · CAS 11-08-01, Contaminated Waste Dump #1
- CAS 11-08-02, Contaminated Waste Dump #2
- · CAS 11-23-02, Radioactively Contaminated Area B
- CAS 11-23-03, Radioactively Contaminated Area C
- · CAS 11-23-04, Radioactively Contaminated Area D

#### 4.1 INSPECTIONS

Annual inspections will be completed at CAU 366. Inspections will consist of visual inspections of the postings to verify they are in place and readable and that the URs have been maintained. The covers at CAS 11-08-01 and CAS 11-08-02 will be inspected for cracks, animal burrows, or other evidence of erosion. Results of the inspections will be included in the combined annual letter report and submitted to NDEP. The annual letter report will include a discussion of observations and a copy of the inspection checklist.

#### 4.2 MONITORING

Post-closure monitoring will not be required for CAU 366.

### 4.3 MAINTENANCE AND REPAIR

Any identified maintenance or repair requirements will be reported to NDEP and scheduled within 90 working days of discovery. Repair and maintenance activities will be documented in writing at the time of the repair and summarized in the annual letter report.

CAU 366 CAP Section: Post-Closure Plan Revision: 0 Date: April 2013

CAU 366 CAP Section: References Revision: 0 Date: April 2013

### 5.0 REFERENCES

- Federal Facility Agreement and Consent Order, 1996 (as amended). Agreed to by the State of Nevada; the U.S. Department of Energy, Environmental Management; the U.S. Department of Defense; and the U.S. Department of Energy, Legacy Management.
- NNSA/NSO, see U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office.
- Radiological Control Managers' Council, 2012. *Nevada National Security Site Radiological Control Manual*, DOE/NV/25946--801 Revision 2. March 2012. Las Vegas, NV.
- U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office, 2011. Corrective Action Investigation Plan for Corrective Action Unit 366: Area 11 Plutonium Valley Dispersion Sites, Nevada National Security Site, Nevada, DOE/NV--1466. Las Vegas, NV.
- U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office, 2012a. Corrective Action Decision Document for Corrective Action Unit 366: Area 11 Plutonium Valley Dispersion Sites, Nevada National Security Site, Nevada, DOE/NV--1488. Las Vegas, NV.
- U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office, 2012b. *Soils Risk-Based Corrective Action Evaluation Process*, DOE/NV--1475. Las Vegas, NV.

CAU 366 CAP Section: References Revision: 0 Date: April 2013

# APPENDIX A

# **ENGINEERING SPECIFICATION AND DRAWINGS**

**NOTE**: Engineering specifications and drawings are not required for closure of Corrective Action Unit 366. This Appendix is included as required by the approved *Federal Facility Agreement and Consent Order* outline for a Corrective Action Plan.

# APPENDIX B

# SAMPLING AND ANALYSIS PLAN

**NOTE**: Samples are not required for closure of Corrective Action Unit 366. This appendix is included as required by the approved *Federal Facility Agreement and Consent Order* outline for a Corrective Action Plan.

# APPENDIX C

# **ACTIVITY ORGANIZATION**

# ACTIVITY ORGANIZATION

For this activity, the U.S. Department of Energy, National Nuclear Security Administration (NNSA) Nevada Field Office point of contact is as follows:

NNSA Nevada Field Office Activity Lead: Tiffany Lantow Telephone Number: (702) 295-7645

The identification of the activity Health and Safety Officer and the Quality Assurance Officer can be found in the appropriate plan. However, personnel are subject to change, and it is suggested that the appropriate NNSA Nevada Field Office Activity Lead be contacted for further information.

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