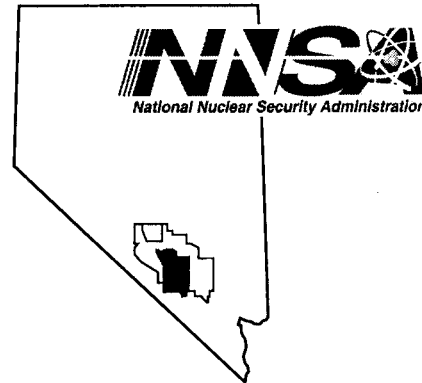


Nevada  
Environmental  
Restoration  
Project

DOE/NV--1087



Closure Report For Corrective  
Action Unit 390: Areas 9, 10, and  
12 Spill Sites, Nevada Test Site,  
Nevada

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

Revision: 0

October 2005

Environmental Restoration  
Division

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

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**CLOSURE REPORT  
FOR CORRECTIVE ACTION UNIT 390:  
AREAS 9, 10, AND 12 SPILL SITES,  
NEVADA TEST SITE, NEVADA**

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

**Controlled Copy No: \_\_\_\_\_**

**Revision: 0**

**October 2005**

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**CLOSURE REPORT  
FOR CORRECTIVE ACTION UNIT 390:  
AREAS 9, 10, AND 12 SPILL SITES,  
NEVADA TEST SITE, NEVADA**

Approved By: SIGNATURE APPROVED  
Kevin Cabbie, Acting Project Manager  
Industrial Sites Project

Date: 10-13-05

Approved By: SIGNATURE APPROVED  
Janet Appenzeller-Wing, Acting Division Director  
Environmental Restoration Division

Date: 10/13/05

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## ACRONYMS AND ABBREVIATIONS

---

BN	Bechtel Nevada
CAS	Corrective Action Site
CAU	Corrective Action Unit
ft	foot (feet)
ft <sup>3</sup>	cubic foot (feet)
FFACO	Federal Facility Agreement and Consent Order
mg/L	milligram(s) per liter
NDEP	Nevada Division of Environmental Protection
ND	not detected
NNSA/NSO	U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office
NTS	Nevada Test Site
RCRA	Resource Conservation and Recovery Act
TCLP	Toxicity Characteristic Leaching Procedure
yd <sup>3</sup>	cubic yard(s)

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## **EXECUTIVE SUMMARY**

---

Corrective Action Unit (CAU) 390 consists four Corrective Action Sites (CASs) located in Areas 9, 10, and 12 of the Nevada Test Site. The closure activities performed at the CASs include:

- CAS 09-99-03, Wax, Paraffin: 2 cubic yards of drilling polymer was removed on June 20, 2005, and transported to the Area 9 U10c Landfill for disposal.
- CAS 10-99-01, Epoxy Tar Spill: 2 cubic feet of asphalt waste was removed on June 20, 2005, and transported to the Area 9 U10c Landfill for disposal.
- CAS 10-99-03, Tar Spills: 3 cubic yards of deteriorated asphalt waste was removed on June 20, 2005, and transported to the Area 9 U10c Landfill for disposal.
- CAS 12-25-03, Oil Stains (2); Container: Approximately 16 ounces of used oil were removed from ventilation equipment on June 28, 2005, and recycled.

One CAS 10-22-19, Drums, Stains, was originally part of CAU 390 but was transferred out of CAU 390 and into CAU 550, Drums, Batteries, and Lead Materials. The transfer was approved by the Nevada Division of Environmental Protection on August 19, 2005, and a copy of the approval letter is included in Appendix D of this report.

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## 1.0 INTRODUCTION

---

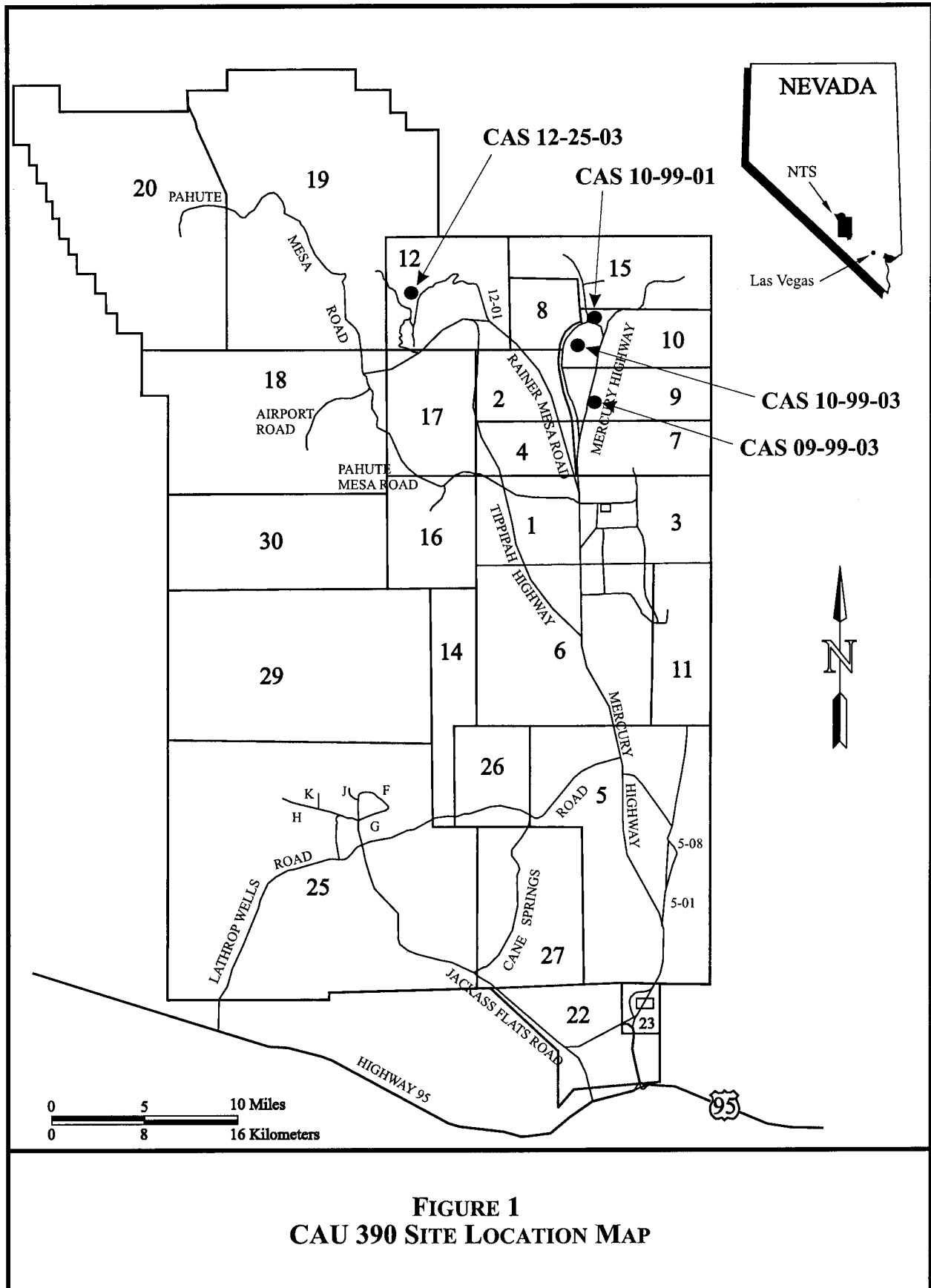
This report documents that the closure activities conducted for Corrective Action Unit (CAU) 390: Areas 9, 10, and 12 Spill Sites, met the approved closure standards. CAU 390 is listed in Appendix III of the *Federal Facility Agreement and Consent Order* (FFACO, 1996) and consists of four Corrective Action Sites (CAS) located in Area 9, 10, and 12 of the Nevada Test Site (NTS) (Figure 1):

- CAS 09-99-03 Wax, Paraffin
- CAS 10-99-01 Epoxy Tar Spill
- CAS 10-99-03 Tar Spills
- CAS 12-25-03 Oil Stains (2); Container

Closure activities at the above CASs consisted of documenting current site conditions, identifying and removing debris and other material, classifying and disposing of any generated waste, and verifying by visual inspection that each site was clean of housekeeping debris.

Copies of the analytical results for the waste classification samples are included in Appendix A. Copies of the "Sectored Housekeeping Site Closure Verification Form" for each CAS are included in Appendix B. A copy of the "National Environmental Policy Act Evaluation Checklist" for the housekeeping CAUs is included in Appendix C. Appendix D includes copies of applicable FFACO correspondence.

CAS 10-22-19, Drums, Stains, was originally part of CAU 390 but was transferred out of CAU 390 and into CAU 550, Drums, Batteries, and Lead Materials. The transfer was approved by the Nevada Division of Environmental Protection on August 19, 2005, and a copy of the approval letter is included in Appendix D of this report.



**FIGURE 1**  
**CAU 390 SITE LOCATION MAP**

## **2.0 CLOSURE ACTIVITIES**

---

This section details the specific closure activities completed for CAU 390: Areas 9, 10, and 12 Spill Sites.

### **2.1 DESCRIPTION OF CLOSURE ACTIVITIES**

#### **2.1.1 Preplanning and Site Preparation**

Planning documents prepared prior to the beginning of closure activities include the following:

- Sectored Clean-up Work Plan For Housekeeping Category Waste Sites (U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office [NNSA/NSO], 2003).
- Generic Field Management Plan for Housekeeping Category Waste Sites (NNSA/NSO, 2005).
- Site-Specific Health and Safety Plan for Corrective Action Units 167, 210, 390, 390, and 395 Housekeeping Sites, (Bechtel Nevada [BN], 2005).
- BN Solid Waste Operations Work Packages.
- NNSA/NSO Real Estate/Operation Permit.

### **2.2 WASTE CLASSIFICATION ACTIVITIES**

Waste generated at CAS 09-99-03 was identified as drilling polymer. To verify that the waste met the Area 9 U10c Landfill disposal requirements, two waste classification samples of the material were collected on May 18, 2005 and submitted to an off-site laboratory for total Resource Conservation Recovery Act (RCRA) metals analysis. Analytical results verified that the waste was not hazardous for Resource RCRA metals. Table 1 summarizes the RCRA Toxicity Characteristic Leaching Procedure (TCLP) metal results. The reported values are calculated from results for total RCRA metals by dividing each total metal result by 20 to give a maximum leachable concentration in milligrams per liter (mg/L). The calculated TCLP metal results are well below RCRA levels for hazardous waste. Copies of the analytical results for total RCRA metals for the waste classification samples are included in Appendix A.

### **2.3 SITE CLOSURE ACTIVITIES**

Appendix B includes a copy of the "Sectored Housekeeping Site Closure Verification Form," including site information and before-and-after site photographs, for each closed CAS.

#### **2.3.1 CAS 09-99-03: Wax, Paraffin**

On June 20, 2005, the pile of drilling polymer was removed from the site and transported to Area 9 U10c Landfill for disposal. A total of 2 cubic yards (yd<sup>3</sup>) of material was removed from the site. No further action is required at this site.

**TABLE 1. SUMMARY OF ANALYTICAL RESULTS FOR WASTE CLASSIFICATION SAMPLES**

SAMPLE ID	CALCULATED TCLP CONCENTRATION (mg/L)							
	ARSENIC	BARIUM	CADMIUM	CHROMIUM	LEAD	MERCURY	SELENIUM	SILVER
RCRA Levels	5	100	1	5	5	0.2	1	5
099903-1	0.02	0.03	ND	0.6	0.04	ND	0.06	ND
Dup A (Duplicate of 099903-1)	0.04	0.03	ND	0.05	0.04	ND	0.05	ND

mg/L = milligrams per liter

RCRA = Resource Conservation and Recovery Act

TCLP = Toxicity Characteristic Leaching Procedure

ND = not detected at concentrations above the analytical method detection limit.

### **2.3.2 CAS 10-99-01: Epoxy Tar Spill**

On June 20, 2005, less than 2 cubic feet (ft<sup>3</sup>) of deteriorated asphalt was removed from around the plugged drill casing and transported to the Area 9 U10c Landfill for disposal. No further action is required at this site.

### **2.3.3 CAS 10-99-03: Tar Spills**

On June 20, 2005, approximately 3 yd<sup>3</sup> of deteriorated asphalt was removed from the site and transported to the Area 9 U10c Landfill for disposal. No further action is required at this site.

### **2.3.4 CAS 12-25-03: Oil Stains (2); Container**

On June 28, 2005, approximately 16 fluid ounces of used oil was drained from the glass reservoirs on the equipment and transported to BN Fleet Services for recycling. No further action is required at this site.



### 3.0 WASTE DISPOSITION

---

Waste generated during the closure of CAU 390 was disposed as follows:

- CAS 09-99-03, Wax, Paraffin: 2 yds<sup>3</sup> of drilling polymer was taken to Area 9 U10c Landfill.
- CAS 10-99-01, Epoxy Tar Spill: 2 ft<sup>3</sup> of asphalt was taken to Area 9 U10c Landfill.
- CAS 10-99-03, Tar Spills: 3 yds<sup>3</sup> of deteriorated asphalt was taken to Area 9 U10c Landfill.
- CAS 12-25-03, Oil Stains (2); Container: Approximately 16 fluid ounces of used oil removed from ventilation equipment was recycled.

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## **4.0 CLOSURE VERIFICATION**

---

None of the CASs required soil verification sampling. Closure verification was performed by field observation and photo-documenting current site conditions. A copy of the Sector Housekeeping Site Closure Verification Form for each closed CAS is included in Appendix A.

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## 5.0 SUMMARY AND RECOMMENDATIONS

---

### 5.1 SUMMARY

The following closure activities were completed at the CASs in CAU 390:

- CAS 09-99-03, Wax, Paraffin: Clean-closed by disposal of 2 yds<sup>3</sup> of drilling polymer at U10c Landfill. No further action necessary.
- CAS 10-99-01, Epoxy Tar Spill: Clean-closed by disposal of 2 ft<sup>3</sup> of deteriorated asphalt at U10c Landfill. No further action necessary.
- CAS 10-99-03, Tar Spills: Clean-closed by disposal of 3 yds<sup>3</sup> of deteriorated asphalt at U10c Landfill. No further action necessary.
- CAS 12-25-03, Oil Stains (2); Container: Clean-closed by removal and recycling of approximately 16 fluid ounces of used oil at BN Fleet Services. No further action necessary.

### 5.2 RECOMMENDATIONS

Because closure activities for CAU 390 have been completed following the Nevada Division of Environmental Protection (NDEP)-approved *Sectorized Clean-up Work Plan for Housekeeping Category Waste Sites* (NNSA/NSO, 2003) as documented in this report, NNSA/NSO requests the following:

1. NDEP provide a "Notice of Completion" to the NNSA/NSO for the closure of CAU 390.
2. CAU 390 be transferred from Appendix III to Appendix IV of the *FFACO Closed Corrective Action Units* (FFACO, 1996).

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## 6.0 REFERENCES

---

BN, see Bechtel Nevada.

Bechtel Nevada. 2005. Site-Specific Health and Safety Plan for Corrective Action Sites 167, 210, 390, 390, and 395, Nevada Test Site, Nevada, Rev. 1. Las Vegas, NV.

FFACO, see Federal Facility Agreement and Consent Order.

Federal Facility Agreement and Consent Order. 1996 (as amended). Agreed to by the State of Nevada, U.S. Department of Energy, and U.S. Department of Defense.

NNSA/NSO, see U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office.

U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office. 2005. Generic Field Management Plan for Housekeeping Category Waste Sites, Revision 2, Las Vegas, NV.

U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office. 2003. Sectorized Clean-up Work Plan for Housekeeping Category Waste Sites, DOE/NV--579-REV-3. Las Vegas, NV.

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## **APPENDIX A**

# **WASTE CLASSIFICATION SAMPLE ANALYTICAL RESULTS**

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## Analytical Report

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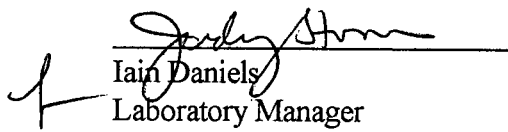
Client : BECHTEL NEVADA V2477  
LVL# : 0505L575


W.O.# : 60052-001-001-0001-00  
Date Received : 05-24-05

### SW846 METALS

1. This narrative covers the analyses of 2 solid samples.
2. The samples were prepared and analyzed in accordance with SW-846 protocol and reported with a CLP deliverable.
3. ICVs, CCVs, and LCSs stock standards were purchased from Inorganic Ventures Laboratory and High Purity.
4. All analyses were performed within the required holding times.
5. All results presented in this report are derived from samples that met LvLI's sample acceptance policy.
6. All Initial and Continuing Calibration Verifications (ICV/CCVs) were within control limits.
7. All Initial and Continuing Calibration Blanks (ICB/CCBs) were within method criteria.
8. All preparation/method blanks were within method criteria. Refer to form 3.
9. All ICP Interference Check Standards were within control limits. Refer to form 4.
10. All laboratory control samples (LCS) were within the 80-120% control limits. Refer to form 7.
11. All serial dilution percent differences were within SW-846 control limits. Refer to form 9.
12. All matrix spike (MS) and matrix spike duplicate (MSD) recoveries were within the 75-125% control limits. Refer to form 5A.
13. The duplicate analysis for 1 analyte was outside the 20% Relative Percent Difference (RPD) control limits. Refer to form 6.

14. All sample IDs were changed to accommodate the EPA naming convention which allows a maximum of 6 characters on all CLP Forms. Refer to the comments section of form 1 for the original ID.
15. LvLI is NELAP accredited by the state of Pennsylvania and holds over 20 additional state accreditations. For a complete listing of accrediting authorities and the corresponding analytes/methods, please contact your Project Manager.

  
Iain Daniels  
Laboratory Manager  
Lionville Laboratory Incorporated  
gmb\m05-575

  
Date

Lab Name: LIONVILLE LABORATORY	Contract: 60052	099903
Lab Code: LVL1	Case No.: NEVAD	SAS No.: SDG No.: DUP1
Matrix (soil/water): SOIL		Lab Sample ID: 0505L575-001
Level (low/med): LOW		Date Received: 05/24/05
% Solids: 100.0		

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Color Before: \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: \_\_\_\_\_  
Color After: \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments :

099903-1

1

INORGANIC ANALYSES DATA SHEET

DUP1

Lab Name: LIONVILLE LABORATORY Contract: 60052  
Lab Code: LVLI Case No.: NEVAD SAS No.: SDG No.: DUP1  
Matrix (soil/water): SOIL Lab Sample ID: 0505L575-002  
Level (low/med): LOW Date Received: 05/24/05  
% Solids: 100.0

[illegible]

Color Before: \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture: \_\_\_\_\_  
Color After: \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments :

DUPA

**Abstract**



**APPENDIX B**

**SECTORED HOUSEKEEPING  
SITE CLOSURE VERIFICATION FORMS**

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## Sector Housekeeping Site Closure Verification Form

**Closure Verification Date:** 06/20/2005

**CAU Number:** 390

**CAS Number:** 09-99-03

**CAS Description:** Wax, Paraffin

**Sector Designation:** NTS Sector F

**Housekeeping Site General Location:** U-9av Crater

**Elevation:** 1,285 meters

**Northing:** 4,109,412m (UTM Zone 11)

**Easting:** 585,594 m (UTM Zone 11)

**Latitude:** 37.12715

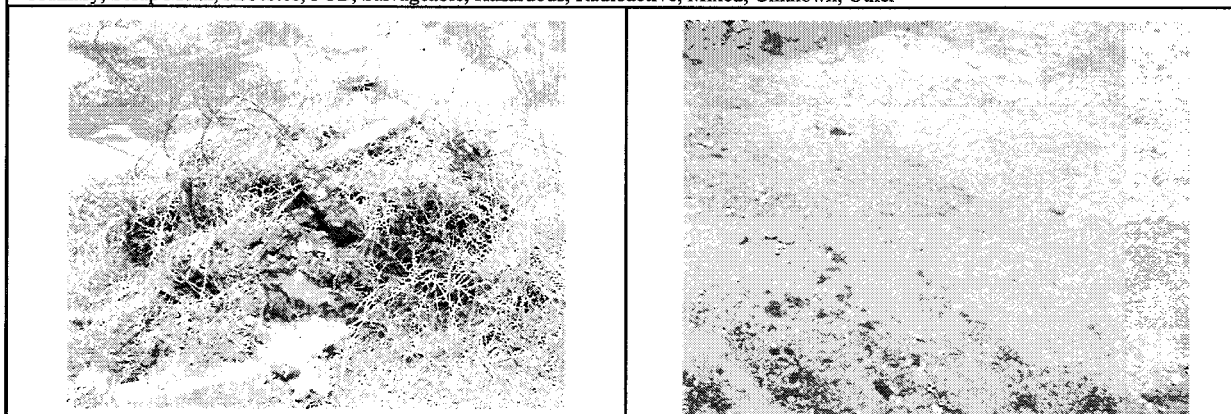
**Longitude:** -116.03642

**Coordinate/Elevation Data Obtained from:** North American Datum, 1983.

Site Access Route: Mercury Highway north to Rainier Mesa Road. Turn left (northwest) on Rainier Mesa Road and proceed to 2-03 Road. Turn right (north) on 2-03 Road and proceed 0.5 mile to 9-01 Road. Turn right (east) on 9-01 Road and proceed approximately 2.11 miles to Old Mercury Highway. Turn left (north) on Old Mercury Highway and proceed 0.4 mile to 9V Road. Turn right (east) on 9V Road and proceed 0.2 mile to the U-9av Crater on the right (south). The site is located south of 9V Road and 80 ft northeast of the U-9av Crater.

Waste Item(s) Originally at Site	Apparent Waste Type*
Burned bags of drilling polymer (non-hazardous)	Ordinary

\* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other



Housekeeping Site Before Closure Activities  
(taken 06/20/2005)

Current Site Condition  
(taken 06/20/2005)

**Current Site Description/Observations:** Material disposed of at U10c Landfill. No waste remains onsite.

☒ **No Further Action Required at Housekeeping Site**

**Reed J. Poderis, CEM**

**Corrective Action Coordinator/Designee**

*Reed J. Poderis*  
Signature

10-11-05

Date

## Sectored Housekeeping Site Closure Verification Form

**Closure Verification Date:** 06/20/2005

**CAU Number:** 390

**CAS Number:** 10-99-01

**CAS Description:** Epoxy Tar Spill

**Sector Designation:** NTS Sector F

**Housekeeping Site General Location:** U-10bf Crater

**Elevation:** 1,339 meters

**Northing:** 4,116,544 m (UTM Zone 11)

**Easting:** 584,445 m (UTM Zone 11)

**Latitude:** 37.19154

**Longitude:** -116.04854

**Coordinate/Elevation Data Obtained from:** North American Datum, 1983.

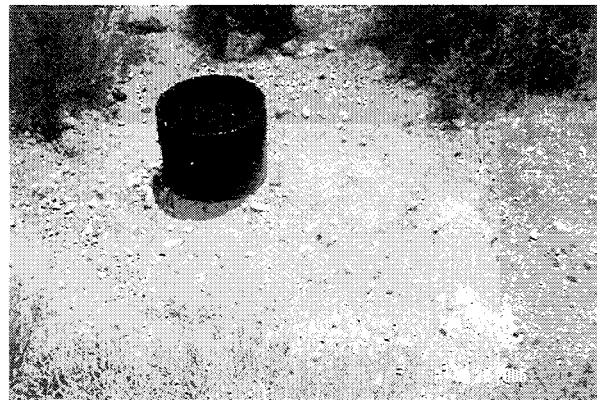
Site Access Route: Mercury Highway north to Rainier Mesa Road. Turn left (northwest) on Rainier Mesa Road and proceed to 2-03 Road. Turn right (north) on 2-03 Road and proceed north/northeast to 2-05 Road and then to Circle Road. Turn left (north) onto Circle Road and proceed northeast to 10-02 Road. Turn left (north) on 10-02 Road and proceed 0.5 mile to a faint dirt road. Turn left (west) onto the dirt road and proceed to the mud pit. The site is approximately 600 ft north of U-10bf.

Waste Item(s) Originally at Site	Apparent Waste Type*
Loose asphalt pieces.	Ordinary

\* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other



Housekeeping Site Before Closure Activities  
(taken 06/20/2005)



Current Site Condition  
(taken 06/20/2005)

**Current Site Description/Observations:** Loose asphalt disposed of at U10c Landfill. No waste remains onsite.

☒ **No Further Action Required at Housekeeping Site**

**Reed J. Poderis, CEM**

**Corrective Action Coordinator/Designee**

**Signature**

10-11-05

**Date**

## Sector Housekeeping Site Closure Verification Form

**Closure Verification Date:** 06/20/2005

**CAU Number:** 390

**CAS Number:** 10-99-03

**CAS Description:** Tar Spills

**Sector Designation:** NTS Sector F

**Housekeeping Site General Location:** U-10am #5 Crater

**Elevation:** 1,343 meters

**Northing:** 4,114,178 m (UTM Zone 11)

**Easting:** 581,856 m (UTM Zone 11)

**Latitude:** 37.17044

**Longitude:** -116.07797

**Coordinate/Elevation Data Obtained from:** North American Datum, 1983.

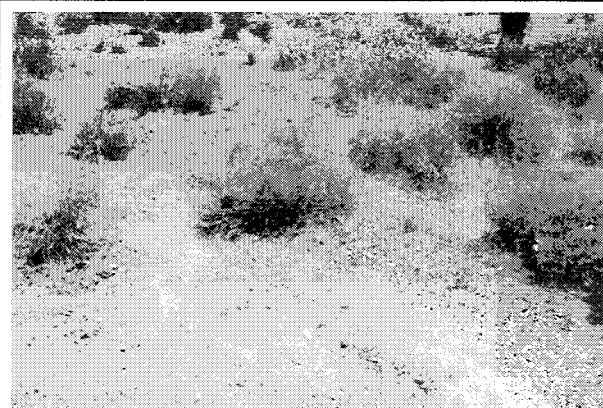
Site Access Route: Mercury Highway north to Rainier Mesa Road. Turn left (northwest) on Rainier Mesa Road and proceed to 2-07 Road. Turn right (east) on 2-07 Road and proceed approximately 1.4 miles to a dirt road on the left (north). Turn left (north) on the dirt road and continue 0.4 mile. The stain areas are located 10-50 ft west of the dirt road.

Waste Item(s) Originally at Site	Apparent Waste Type*
Deteriorated Asphalt	Ordinary

\* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other



Housekeeping Site Before Closure Activities  
(taken 06/20/2005)



Current Site Condition  
(taken 06/20/2005)

**Current Site Description/Observations:** Deteriorated asphalt disposed as construction debris at U10c Landfill. No waste remains onsite.

☒ **No Further Action Required at Housekeeping Site**

**Reed J. Poderis, CEM**

**Corrective Action Coordinator/Designee**

*Reed J. Poderis*  
**Signature**

10-11-05

**Date**

## Sectored Housekeeping Site Closure Verification Form

**Closure Verification Date:** 06/28/2005

**CAU Number:** 390

**CAS Number:** 12-25-03

**CAS Description:** Oil Stains (2); Container

**Sector Designation:** NTS Sector F

**Housekeeping Site General Location:** U-12n. 10 Vent Hole

**Elevation:** 2,217 meters

**Northing:** 4,118,210 m (UTM Zone 11)

**Easting:** 570,409 m (UTM Zone 11)

**Latitude:** 37.20772

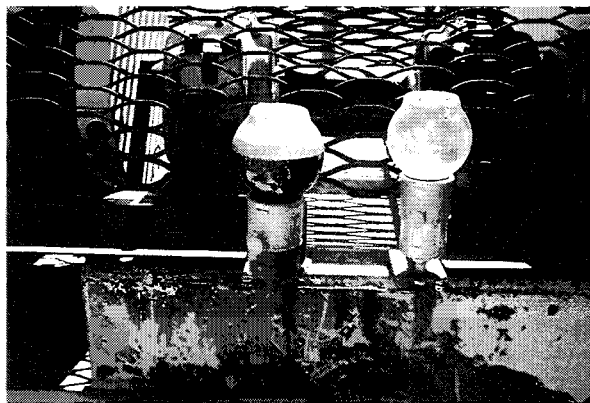
**Longitude:** -116.20651

**Coordinate/Elevation Data Obtained from:** North American Datum, 1983.

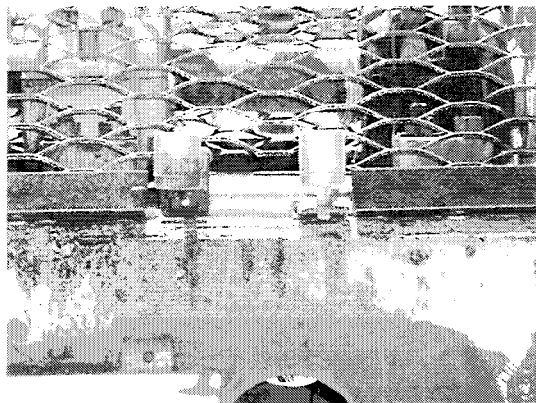
Site Access Route: Mercury Highway north to Rainier Mesa Road. Turn left (northwest) on Rainier Mesa Road and proceed past the Area 12 Camp. Continue on Rainier Mesa Road until it becomes Stockade Wash Road. Proceed on Stockade Wash Road to "R" Road. Turn right (southwest) onto "R" Road (South Rainier Mesa Road). Turn left (west) onto "T" Road and proceed to "H" Road. Turn right (east) on "H" Road and proceed 1.4 miles to a fork in the road. Turn right (south) and proceed approximately 0.1 mile to the end of the road.

Waste Item(s) Originally at Site	Apparent Waste Type*
Equipment Oil	Salvageable

\* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other



Housekeeping Site Before Closure Activities  
(taken 06/28/2005)



Current Site Condition  
(taken 06/28/2005)

**Current Site Description/Observations:** All oil was drained and recycled by BN Fleet.

☒ **No Further Action Required at Housekeeping Site**

**Reed J. Poderis, CEM**

**Corrective Action Coordinator/Designee**

**Signature**

**Date**

*Reed J. Poderis*

10-11-05

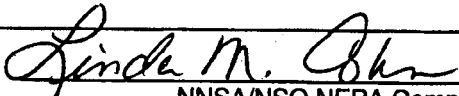
## **APPENDIX C:**

### **NATIONAL ENVIRONMENTAL POLICY ACT ENVIRONMENTAL EVALUATION CHECKLIST**

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**U.S. DEPARTMENT OF ENERGY  
NATIONAL NUCLEAR SECURITY ADMINISTRATION NEVADA SITE OFFICE  
NEPA ENVIRONMENTAL EVALUATION CHECKLIST**

<b>FOLLOW ATTACHED PROCEDURES FOR COMPLETING CHECKLIST</b>						Date <b>04/26/2005</b>	
A. Project/Activity Title (Attach a brief description of proposed project) <b>Housekeeping Sites Closure/Cleanup Activities (CAUs 286, 390, &amp; 395)</b>						Anticipated Start Date	
Project Location <b>NTS, Various Areas</b>				Proposed By (if other than NNSA/NSO)			
NNSA/NSO Line Management Organization <b>Environmental Restoration</b>				NNSA/NSO Project/Program Manager <b>Sabine Curtis</b>			
ENVIRONMENTAL CONSIDERATIONS: If any phase of the project/activity involves any of the following considerations, check yes and explain in project description. See NV-16A for consideration guidelines and examples.							
<b>CONSIDERATION</b>	<b>YES</b>	<b>NO</b>	<b>UNK</b>	<b>CONSIDERATION</b>	<b>YES</b>	<b>NO</b>	<b>UNK</b>
<b>WASTE</b>				<b>AIR EMISSIONS</b>			
1 Non-Rad Solid Waste	<b>X</b>			1 Biological Material/Chemical Release		<b>X</b>	
2 Hazardous Waste	<b>X</b>			2 Dust/Particulate Matter	<b>X</b>		
3 Low-level Rad Waste	<b>X</b>			3 Explosives		<b>X</b>	
4 Mixed Waste	<b>X</b>			4 Diesel Generators		<b>X</b>	
5 TRU/Mixed TRU Waste		<b>X</b>		5 Open Burning		<b>X</b>	
6 Wastewater (domestic/Industrial)		<b>X</b>					
				<b>SITE LOCATION/OTHER</b>			
<b>HAZARDOUS MATERIALS</b>				1 Environmental Restoration Site (CAU)			
1 Petroleum/Fuel (storage/use)	<b>X</b>			2 Excavation/Land Surface Disturbance	<b>X</b>		
2 Underground Storage Tanks		<b>X</b>		3 Off road travel		<b>X</b>	
3 Aboveground Storage Tanks		<b>X</b>		4 Biological/Tortoise Resource Area		<b>X</b>	
4 PCB's/Asbestos		<b>X</b>		5 Cultural/Historic Resource Area		<b>X</b>	
5 Pesticides/Herbicides		<b>X</b>		6 Change in Existing Drainage Pattern		<b>X</b>	
6 Radioactive Materials		<b>X</b>		7 Impact to Environmental Monitoring System		<b>X</b>	
7 Biological Materials/Simulants		<b>X</b>		8 Unexploded Ordnance Area		<b>X</b>	
8 Beryllium			<b>X</b>	9 Noise	<b>X</b>		
9 Chemical storage/use		<b>X</b>		10 Radiation controlled area	<b>X</b>		
10 Use of explosives/firearms		<b>X</b>		11 Drinking water system involvement		<b>X</b>	
<b>DO NOT TYPE OR WRITE BELOW THIS LINE FOR ESHD USE ONLY</b>							
B. Is the project/activity included in the final NTS EIS and the ROD or other NEPA document? Yes <u>  X  </u> (complete Sections C, D, and E)    No <u>      </u> (complete Sections D, E, and F)							
C. This project/activity is included in the NTS EIS/ROD (or other NEPA document) under the following section and page no.: NTS EIS Volume 1, Appendix A, A.3.1.3 - <i>Environmental Restoration Program; Industrial Sites Project</i>							
D. Does the proposed project/activity require any local, state, or federal permits or notifications?      Yes <u>  X  </u> No <u>      </u>							
E. If, based on the project description and the preliminary environmental considerations noted above, the proposed action fits within a class of action listed in Subpart D of 10 CFR 1021, write in the space below, the paragraph number and short title from the appropriate table of contents of Subpart D, Appendix B, C, or D, for a CX, EA, or EIS. If the proposed action does not fit within any class of action, write "Not Listed" below.							
F. <b>NEPA COMPLIANCE OFFICER DETERMINATION OR RECOMMENDATION:</b> I have determined that the proposed activity as described in item A above, has been adequately addressed in the document cited in item C for the purpose of NEPA. No further analysis or documentation is required pursuant to NEPA.							
 _____ NNSA/NSO NEPA Compliance Officer						<u>  5/19/05  </u> _____ Date	

## CAUs 286, 390, & 395 Housekeeping Sites Closure/Cleanup Activities

### Project Description

The purpose of this project is to remove various debris located at several Corrective Action Units (CAUs). The CAUs are housekeeping sites, located at the Nevada Test Site (NTS). CAU 286 is located in Areas 1, 2, 3, 4, 6, 10, and 18 and consists of twelve CASs. CAU 390 is located in Areas 9, 10, and 12 and consists of six CASs. CAU 395 is located in Area 19 and consists of ten CASs. A detailed list of the CASs and description of the CASs and descriptions is provided in the Federal Facility Agreement and Consent Order (FFACO) of 1996. Each CAU is listed below, with a brief description of the types of debris present in the CASs.

CAU 286 includes pieces of lead shielding in various locations. A pile of concrete is also included. Some of the waste may be radioactive. The lead material is hazardous. However, the majority of the lead material is salvageable for recycling.

CAU 390 includes asphalt, paraffin wax, and tar spills. One drum with several gallons of unknown liquid is also included. Some of the waste may be radioactive and/or hazardous/toxic.

CAU 395 includes concrete, oil, and asphalt spills. Several spills of unidentified materials are also included. Some of the waste may be radioactive and/or hazardous/toxic.

### Environmental Considerations

W-1, Non-Rad Solid Waste: Any solid waste that may be generated from project activities will be disposed of at the NTS in a designated landfill.

W-2, Hazardous Waste: Several sites contain lead, PCB, or TPH-impacted and/or sanitary waste and soil. No other chemical hazards are known to exist. Personnel will be required to follow the safety procedures outlined in the Site Specific Health and Safety Plan and Job Hazard Analysis. Wastes will be disposed either on the NTS or offsite, depending on analysis results.

W-3, Low-level Rad Waste: Several sites are in a URMA, CA, or RMA. Radiologically impacted soil and debris in these areas may require disposal either at the Area 3 or Area 5 Radioactive Waste Management Sites.

W-4, Mixed Waste: Any waste which is classified as mixed waste will be disposed at the NTS in an approved mixed waste facility.

HM-1, Petroleum/Fuel (storage/use): Heavy equipment onsite will use petroleum fuel. No fuel will be stored onsite outside of the equipment. Absorbent pads will be used if equipment appears to be leaking petroleum.

HM-8, Beryllium: If any housekeeping site is determined to be in a legacy beryllium area, Industrial Hygiene will be contacted to provide guidance on how to minimize potential exposure

to beryllium. This is in accordance with company procedure CM-0444.001-079, "Chronic Beryllium Disease Prevention".

A-2, Dust/ Particulate Matter: Some dust may be generated by excavation activities, but will be controlled as necessary by water spraying.

S-1, Environmental Restoration Site (CAU): These sites are included in the FFACO as CAU 286, 390, and 395 (See Project Description).

S-2, Excavation/Land Surface Disturbance: Equipment will travel off-road on previously disturbed areas. Equipment will also be used to help remove surface debris. Minor excavations may be required to remove stained soil at spill locations. All excavations will be performed under the appropriate permit.

S-9, Noise: Elevated noise levels may result from the operation of a backhoe and/or loader equipment. Personnel not directly involved with operation of this equipment will be kept back at least 15 feet while equipment is in use. The equipment operator will follow the instructions as directed in the Site Specific Health and Safety Plan.

S-10, Radiation Controlled Area: All CASs are in radiation controlled areas. All personnel onsite will have General Employee Radiological Training, at a minimum. Radiological Control Technicians will be onsite as required by Radcon.

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## **APPENDIX D:**

# **FFACO CORRESPONDENCE**

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Water Quality Planning  
Water Pollution Control  
Facsimile (775) 687-4684

Mining Regulations and Reclamation  
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Las Vegas Office  
Facsimile (702) 486-2863

STATE OF NEVADA  
KENNY C. GUINN  
*Governor*



DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
DIVISION OF ENVIRONMENTAL PROTECTION

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ALLEN BIAGGI, *Director*  
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Federal Facilities  
Facsimile (702) 486-2863

Webpage <http://ndep.nv.gov>

August 12, 2005

Ms. Janet Appenzeller-Wing, Acting Director  
Environmental Restoration Division  
National Nuclear Security Administration  
Nevada Site Office  
P.O. Box 98518  
Las Vegas, NV 89193-8518

RE: Requests for Transfers of Corrective Action Sites (CASs) and a Corrective Action Unit (CAU), an Archive Request, and a Milestone Request – FFACO Meeting August 2005

Dear Ms. Appenzeller-Wing:

The Nevada Division of Environmental Protection, Bureau of Federal Facilities staff (NDEP) reviewed the information provided regarding the requests contained in the binder issued at the August 3, 2005 FFACO Meeting. Based on the information supplied, NDEP approves the following requests:

*Transfer CAS 02-02-01, CAS 04-02-01, and CAS 23-02-05 from CAU 130 to CAU 4000.*

*Archive CAU 131 and change the description to Archived – Storage Tanks and Contaminated Materials, and move from Appendix II to Appendix IV.*

*Transfer CAS 17-99-01, CAS 18-35-01, CAS 30-35-01, and CAS 18-19-01 from CAU 139 to CAU 5000.*

*Transfer CAS 10-22-19 from CAU 390 to CAU 550.*

ACTION

INFO

NSO/MGR

AMEM

AMNS

AMSO

AMSP

AMSS

ERD FSHD TD WML

✓

✓

✓

✓

✓

✓

Ms. Janet Appenzeller-Wing, Acting Director

Page 2

August 12, 2005

*Change the CADD milestone for CAU 511 from 10/31/2005 to 1/31/2006.*

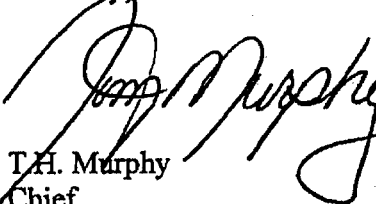
*Transfer CAS 09-09-45 from CAU 533 to CAU 177 and transfer CAS 09-09-41 from CAU 535 to CAU 177.*

*Transfer CAS 01-23-01 from CAU 537 to CAU 5000 and transfer CAS 11-99-01 from CAU 537 to CAU 4000.*

*Transfer CAS 18-01-02 from CAU 538 to CAU 5000.*

Address any questions regarding this matter to either Ted Zaferatos at (702) 486-2856, Don Elle at (702) 486-2874 or me at (702) 486-2857.

Sincerely,



T.H. Murphy  
Chief

Bureau of Federal Facilities

DRE/TZ

cc: Kenneth Hoar, ES&HD, NNSA/NSO  
Eric Shanholtz, Chief, DTRA  
Patti Hall, TD, NNSA/NSO  
Frank Di Sanza, WMD, NNSA/NSO  
D.C. Loewer, DTRA/TDTN  
Tiffany Lantow, DTRA/TDTNS  
Wayne Griffin, SNJ/DTRA  
Kevin Cabble, ERD, NNSA/NSO  
Sabine Curtis, ERD, NNSA/NSO



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