Nevada
Environmental
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Project

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Closure Report
for Housekeeping Category
Corrective Action Unit 354
Nevada Test Site

Controlled Copy No. _____

Revision: 0

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January 1998

Environmental Restoration
Division

U.S. Department of Energy
Nevada Operations Office

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**CLOSURE REPORT FOR HOUSEKEEPING CATEGORY
CORRECTIVE ACTION UNIT 354
NEVADA TEST SITE**

**Prepared for
U.S. Department of Energy
Nevada Operations Office
Under Contract No. DE-AC08-96NV11718**

Controlled Copy No.: _____

Revision: 0

**Prepared by
Bechtel Nevada
Environmental Restoration**

January 1998

This Closure Report is prepared in accordance with the *Work Plan for Closure Verification of FFACO Housekeeping Corrective Action Sites/Units*(DOE/DoD, 1996). This Closure Report summarizes the corrective actions which were completed at ten Corrective Action Sites within Corrective Action Unit 354. This Closure Report is subject to review and approval by the Nevada Division of Environmental Protection.

FFACO HOUSEKEEPING CATEGORY CORRECTIVE ACTION UNIT 354

CAS NUMBER	DESCRIPTION OF CAS	STATUS
25-22-03	(35) Drums	Drums had previously been removed. Remaining debris was retrieved and disposed. Lead materials, from CASs 25-26-10 and 25-26-26, were retrieved for recycling. No further action required.
25-24-14	(2) Batteries	Materials had previously been removed. No further action required.
25-24-17	(2) Batteries	Materials were retrieved and recycled. No further action required.
25-24-18	Battery	The broken battery and lead materials (found in the vicinity) were retrieved and recycled. Additional cleanup at nearby CAS 25-26-21 was also conducted. No further action required.
25-27-02	Drums	Drums containing PCB waste had previously been removed. Lead materials found in the vicinity were retrieved and recycled. No further action required.
25-99-15	Highway flares	Items had previously been removed. No further action required.

FFACO HOUSEKEEPING CATEGORY CORRECTIVE ACTION UNIT 354

CAS NUMBER	DESCRIPTION OF CAS	STATUS
25-99-17	(4) Gas bottles	Three of the gas cylinders were found to be empty, and one contained compressed air. After sampling the air, the cylinder was emptied and the assembly disposed in the landfill. No further action required.
26-99-02	(4) Smoke pots	Most of the smoke pots had previously been removed. The remaining smoke pots were retrieved and disposed at the Area 11 EODU. No further action required.
27-22-01	(5) Drums	Items had previously been removed. No further action required.
27-22-02	Drum; Fuel Can	Items had previously been removed. No further action required.

FFACO CORRECTIVE ACTION SITE HOUSEKEEPING CLOSURE VERIFICATION FORM

Closure Verification Date: 30-APR-97

CAS Number: 25-22-03

CAU Number: 354

General Location: Treatability Test Facility

Elevation:

Latitude:

Northing:

Longitude:

Easting:

Coordinate/Elevation Data Obtained from Garmin 40 Global Position System: Accuracy is within 300 ft Horizontal - Vertical Varies with Locality

Site Access Route: From Mercury, proceed SW on Jackass Flats Rd to Area 25, through Gate 500. Proceed north on C-Rd, and follow as it curves east into F-Rd. The Treatability Test Facility (TTF), Bldg. 3124, is located on the left (north) side of the road inside a hurricane fence. A marker for this CAS is attached to the front gate.

Waste Item(s) Originally at Site	Apparent Waste Type*
(35) Drums	Unknown

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

CAS Prior to Cleanup

CAS After Cleanup

Current Site Description/Observations: Originally identified on 29-OCT-90, it was verified that the drums had been removed. During the demobilization of this facility, NTS personnel conducted cleanup operations on 11-SEP-97 and retrieved the remaining solid waste debris shown in the photograph (right photo). The debris was disposed at the Area 9 U10c Landfill. Lead bricks and sheets, previously identified as CASs 25-26-10 and 25-26-26 but not relinquished until recently, were recycled through Property and Supply.

☒ No Further Action Required at Corrective Action Site

C. Carlos Gonzales

C. Carlos Gonzales

1-6-98

Corrective Action Coordinator/Designee

(Signature)

Date

**FFACO CORRECTIVE ACTION SITE
HOUSEKEEPING CLOSURE VERIFICATION FORM**

Closure Verification Date: 01-MAY-97

CAS Number: 25-24-14

CAU Number: 354

General Location: X-Tunnel Road

Elevation:

Latitude:

Northing:

Longitude:

Easting:

Coordinate/Elevation Data Obtained from Garmin 40 Global Position System: Accuracy is within 300 ft Horizontal - Vertical Varies with Locality

Site Access Route: From Mercury, proceed SW on Jackass Flats Rd to Area 25, through Gate 500. Turn left (west) onto Lathrop Wells Rd for 5.8 mi to X-Tunnel Rd. Turn left (south) and proceed to storage yard on right side of road prior to arriving at portal area. A CAS marker identifies the former location of the batteries.

Waste Item(s) Originally at Site	Apparent Waste Type*
(2) Batteries	Recyclable

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

No Prior Photo Available of CAS

CAS After Cleanup

Current Site Description/Observations: Originally identified by DOE/EPD, field crews verified the presence of two batteries at this location on 23-MAY-95. NTS personnel verified that the batteries had been removed. A CAS marker identifies the former location in the storage yard.

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

C. Carlos Gonzales

C. Carlos Gonzales

1-6-98

Corrective Action Coordinator/Designee

(Signature)

Date

**FFACO CORRECTIVE ACTION SITE
HOUSEKEEPING CLOSURE VERIFICATION FORM**

Closure Verification Date: 08-AUG-97

CAS Number: 25-24-17

CAU Number: 354

General Location: Engine Test Stand #1

Elevation:

Latitude:

Northing:

Longitude:

Easting:

Coordinate/Elevation Data Obtained from Garmin 40 Global Position System: Accuracy is within 300 ft Horizontal - Vertical Varies with Locality

Site Access Route: From Mercury, proceed SW on Jackass Flats Rd to Area 25, through Gate 500. Proceed north on C-Rd and turn left (west) on H-Rd. Proceed to K-Rd and turn right (north) to the Engine Test Stand (ETS) #1. Take the dirt road along the east side of the fenced compound and continue up the hill, turning right (east) when reaching the ravine.

Waste Item(s) Originally at Site	Apparent Waste Type*
(2) Batteries	Recyclable

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

No Prior Photo Available of CAS

CAS After Cleanup

Current Site Description/Observations: Field crews identified this site while conducting GPS coordinates on a nearby CAS (25-24-04) on 24-JUN-93. NTS personnel verified that the batteries were still present and retrieved them for recycling through Fleet Operations. The associated wood boxes, cables, and debris were disposed in the Area 23 Landfill.

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

C. Carlos Gonzales

C. Carlos Gonzales

1-6-98

Corrective Action Coordinator/Designee

(Signature)

Date

FFACO CORRECTIVE ACTION SITE HOUSEKEEPING CLOSURE VERIFICATION FORM

Closure Verification Date: 14-SEP-97

CAS Number: 25-24-18

CAU Number: 354

General Location: Engine Test Stand #1

Elevation:

Latitude:

Northing: 757,430.302

Longitude:

Easting: 604,115.787

Coordinate/Elevation Data Obtained from Garmin 40 Global Position System: Accuracy is within 300 ft Horizontal - Vertical Varies with Locality

Site Access Route: From Mercury, proceed SW on Jackass Flats Rd to Area 25, through Gate 500. Proceed north on C-Rd and turn left (west) on H-Rd. Proceed to K-Rd and turn right (north) to the Engine Test Stand (ETS) #1. Inside gate, turn left (west) and proceed approximately 100 yards.

Waste Item(s) Originally at Site	Apparent Waste Type*
Battery	Recyclable

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

CAS Prior To Cleanup

CAS After Cleanup

Current Site Description/Observations: Field crews identified this site while conducting GPS coordinates on a nearby CAS (25-26-21) on 16-AUG-93. The site consisted of a broken lead-acid battery and a debris pile. NTS personnel verified that the battery and debris were still present. The broken battery, and other lead fragments found nearby, were packaged and delivered to Fleet Operations for recycling. The CAS debris, including debris from nearby 25-26-21, was retrieved and disposed at the Area 23 Landfill. Additional lead bricks and sheets found in the vicinity were recycled through Property and Supply.

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

C. Carlos Gonzales

Corrective Action Coordinator/Designee

C. Carlos Gonzales

(Signature)

1-6-98

Date

FFACO CORRECTIVE ACTION SITE HOUSEKEEPING CLOSURE VERIFICATION FORM

Closure Verification Date: 30-APR-97

CAS Number: 25-27-02

CAU Number: 354

General Location: R-MAD Building

Elevation:

Latitude:

Northing: 752,500

Longitude:

Easting: 652,000

Coordinate/Elevation Data Obtained from Garmin 40 Global Position System: Accuracy is within 300 ft Horizontal - Vertical Varies with Locality

Site Access Route: From Mercury, proceed SW on Jackass Flats Rd to Area 25, through Gate 500. Proceed north on C-Rd and turn right (east) on G-Rd. Follow G-Rd towards the R-MAD complex. The CAS is located 100 yards NE of the main R-MAD building at the base of a camera tower.

Waste Item(s) Originally at Site	Apparent Waste Type*
Drums	PCB

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

No CAS Photo Available Prior To Cleanup

CAS After Cleanup

Current Site Description/Observations: Originally identified on 30-NOV-90, file documentation indicates that two drums were removed in 1991 and transported to the Area 6 PCB Storage Facility prior to being shipped offsite to an EPA-permitted disposal facility. NTS personnel verified that the drums were no longer there. Lead bricks, found outside the fenced compound, were retrieved and recycled through Property and Supply on 16-SEP-97 along with lead materials retrieved from CAS 25-24-18 (Engine Test Stand #1).

☒ No Further Action Required at Corrective Action Site

C. Carlos Gonzales

Corrective Action Coordinator/Designee

C. Carlos Gonzales

(Signature)

1-6-98

Date

FFACO CORRECTIVE ACTION SITE HOUSEKEEPING CLOSURE VERIFICATION FORM

Closure Verification Date: 30-APR-97

CAS Number: 25-99-15

CAU Number: 354

General Location: E-MAD Building

Elevation:

Latitude:

Northing: 748,794.905

Longitude:

Easting: 606,387.413

Coordinate/Elevation Data Obtained from Garmin 40 Global Position System: Accuracy is within 300 ft Horizontal - Vertical Varies with Locality

Site Access Route: From Mercury, proceed SW on Jackass Flats Rd to Area 25, through Gate 500. Proceed north on C-Rd and turn left (west) on H-Rd. Follow H-Rd towards the E-MAD complex and turn left (south) on the E-MAD road. The CAS is located inside the Bonded Storage Room.

Waste Item(s) Originally at Site	Apparent Waste Type*
Highway Flares	Hazardous (Explosive)

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

CAS Prior To Cleanup

CAS After Cleanup

Current Site Description/Observations: Originally identified on 18-DEC-90, NTS personnel verified that the flares were no longer present. A CAS tag marks the former location near the supply cabinet in the storage room.

☒ No Further Action Required at Corrective Action Site

C. Carlos Gonzales

Corrective Action Coordinator/Designee

C. Carlos Gonzales 1-6-98
(Signature) Date

FFACO CORRECTIVE ACTION SITE HOUSEKEEPING CLOSURE VERIFICATION FORM

Closure Verification Date: 14-OCT-97

CAS Number: 25-99-17

CAU Number: 354

General Location: Test Cell A

Elevation:

Latitude:

Northing: 756,932.260

Longitude:

Easting: 619,386.500

Coordinate/Elevation Data Obtained from Garmin 40 Global Position System: Accuracy is within 300 ft Horizontal - Vertical Varies with Locality

Site Access Route: From Mercury, proceed SW on Jackass Flats Rd to Area 25, through Gate 500. Proceed north on C-Rd and follow as road becomes F-Rd, curving eastward. Test Cell A is located on the left (north) side of the road. The CAS lies inside the fenced compound, to the left (west) of the main gate. A marker identifies the location.

Waste Item(s) Originally at Site	Apparent Waste Type*
(4) Gas Bottles	Unknown

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

CAS Prior To Cleanup

CAS After Cleanup

Current Site Description/Observations: NTS personnel verified that the gas cylinders were still at this location. After determining that three of the bottles were empty, Industrial Hygiene personnel sampled gas from the fourth cylinder and determined that it was only compressed air. The cylinders were disposed at the Area 23 Landfill after the air was vented out. Surrounding materials retrieved for disposal included wood, steel, and aluminum debris.

☒ No Further Action Required at Corrective Action Site

C. Carlos Gonzales

Corrective Action Coordinator/Designee

C. Carlos Gonzales 1-6-98

(Signature)

Date

FFACO CORRECTIVE ACTION SITE HOUSEKEEPING CLOSURE VERIFICATION FORM

Closure Verification Date: 28-SEP-97

CAS Number: 26-99-02

CAU Number: 354

General Location: Pluto Facility

Elevation:

Latitude:

Northing:

Longitude:

Easting:

Coordinate/Elevation Data Obtained from Garmin 40 Global Position System: Accuracy is within 300 ft Horizontal - Vertical Varies with Locality

Site Access Route: From Mercury, proceed N on Mercury Hwy to Cane Springs Rd. Turn left (west) on Cane Springs Rd for 6.5 mi to Pluto Rd. Turn right (east) then left (north) towards the Pluto Facility, passing through the main gate and proceeding to a field on the north side of the building. A marker identifies the CAS.

Waste Item(s) Originally at Site	Apparent Waste Type*
(4) Smoke Pots	Hazardous (Explosive)

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

CAS Prior To Cleanup

CAS After Cleanup

Current Site Description/Observations: Originally identified on 30-OCT-90, NTS personnel verified that most of the smoke pot debris had been removed, but some still remained along with miscellaneous debris. The debris was disposed at the Area 23 Landfill, and the remaining smoke pots were disposed at the Area 11 Explosive Ordnance Disposal Unit. Additional debris (empty containers), found near the Cane Springs Rd/Mercury Hwy intersection, were also retrieved for disposal.

☒ No Further Action Required at Corrective Action Site

C. Carlos Gonzales

C. Carlos Gonzales 1-6-98

Corrective Action Coordinator/Designee

(Signature)

Date

**FFACO CORRECTIVE ACTION SITE
HOUSEKEEPING CLOSURE VERIFICATION FORM**

Closure Verification Date: 22-AUG-96

CAS Number: 27-22-01

CAU Number: 354

General Location: Able Compound Access Rd

Elevation:

Latitude:

Northing:

Longitude:

Easting:

Coordinate/Elevation Data Obtained from Garmin 40 Global Position System: Accuracy is within 300 ft Horizontal - Vertical Varies with Locality

Site Access Route: From Mercury, proceed N on Mercury Hwy to Cane Springs Rd. Turn left (west) on Cane Springs Rd for 6.1 mi to the Area 27 turnoff. Turn left (south) and proceed 1.4 mi to Gate 250. After obtaining clearance for entry, proceed for 1.4 mi, then turn left (east) for 0.2 mi to CAS.

Waste Item(s) Originally at Site	Apparent Waste Type*
(5) Drums	Unknown

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

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No CAS Photos Available

No CAS Photos Available

Current Site Description/Observations: Originally identified by field crews, the site consisted of a pallet of 55-gallon drums. One drum was rusted through its base, and another drum was heavily bowed out. In August 1996, field crews found that the pallet and drums had been removed from the area. Due to security restrictions for entering this area, NTS Housekeeping cleanup personnel did not attempt to enter the Able Compound and used existing process knowledge to verify the CAS status.

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

C. Carlos Gonzales

C. Carlos Gonzales 1-6-98

Corrective Action Coordinator/Designee

(Signature)

Date

**FFACO CORRECTIVE ACTION SITE
HOUSEKEEPING CLOSURE VERIFICATION FORM**

Closure Verification Date: 26-AUG-96

CAS Number: 27-22-02

CAU Number: 354

General Location: EOD Area

Elevation:

Latitude:

Northing:

Longitude:

Easting:

Coordinate/Elevation Data Obtained from Garmin 40 Global Position System: Accuracy is within 300 ft Horizontal - Vertical Varies with Locality

Site Access Route: From Mercury, proceed N on Mercury Hwy to Cane Springs Rd. Turn left (west) on Cane Springs Rd for 6.1 mi to the Area 27 turnoff. Turn left (south) and proceed 1.4 mi to Gate 250. After obtaining clearance for entry, proceed for 2.1 mi to the gate marked "B-5", then turn left (east) for 0.3 mi to CAS.

Waste Item(s) Originally at Site	Apparent Waste Type*
Drum; Fuel Can	Unknown

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

No CAS Photos Available

No CAS Photos Available

Current Site Description/Observations: Originally identified by field crews, the site consisted of debris, including a drum and fuel can. It is not known if they were empty, or if they had contents. In August 1996, field crews found that the debris and containers had been removed from the area. A marker was placed 100 feet inside a locked fence area (at the former drum site). Due to security restrictions for entering this area, NTS Housekeeping cleanup personnel did not attempt to enter the EOD Area and used existing process knowledge to verify the CAS status.

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

C. Carlos Gonzales

C. Carlos Gonzales 1-6-98

Corrective Action Coordinator/Designee

(Signature)

Date

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