OCT. 24, 2011

Tim Murphy, Chief
Bureau of Federal Facilities
Division of Environmental Protection
2030 East Flamingo Road, Suite 230
Las Vegas, NV 89119-0818

INTERIM ACTIVITIES AT CORRECTIVE ACTION UNIT (CAU) 114: AREA 25 EMAD FACILITY, NEVADA NATIONAL SECURITY SITE, NEVADA

CAU 114: Area 25 EMAD Facility is currently listed in Appendix III of the Federal Facility Agreement and Consent Order and consists of the following two Corrective Action Sites (CASs):

- CAS 25-41-03: EMAD Facility
- CAS 25-99-23: Manned Control Car and Engine Installation Vehicle

Closure activities for CAU 114 are specified in Revision 1 of the approved Streamlined Approach for Environmental Restoration Plan for CAU 114. Closure activities will include characterization of potential source materials, removal of readily removable nonhazardous waste, and identification and abatement of asbestos. The end state for Building 3900 will be demolition to slab.

This letter report documents interim activities that have been completed at CAU 114 to support ongoing access and generate information necessary to plan future closure activities. General housekeeping and cleanup of debris was conducted in the EMAD yard, cold bays, support areas of Building 3900, and postmortem cell tunnel area of the hot bay. All non-asbestos ceiling tiles and loose and broken non-friable asbestos floor tiles were removed from support galleries and office areas. Non-radiologically contaminated piping and equipment in the cold areas of the building and in the two 120-ton locomotives in the yard were tapped, characterized, drained, and verified free of contents.

The following waste was removed from the EMAD complex and disposed:

- Approximately 52 cubic meters (m³) of yard debris and 69 m³ of debris from the postmortem cell tunnel were packaged in either B-25 boxes or cargo containers and disposed at the Area 5 Radioactive Waste Management Site.
- Approximately 46 m³ of yard debris and 115 m³ of debris from the building cold bays and support areas were disposed at the U10c Sanitary Landfill.
- Approximately 5,500 gallons of sanitary liquid were drained and disposed at onsite lagoons.
• Approximately 3,500 gallons of chiller water were evaporated, and the residual was solidified. Approximately 11.5 m³ of solidified residual chiller water were disposed at the U10c Sanitary Landfill.
• Approximately 10,635 gallons of used mineral and equipment oil, 1,250 gallons of used diesel fuel, and 50 pounds of Freon were sent for recycle/reuse.
• One 55-gallon drum of oil, five cartons of universal waste lamps, and three 20-gallon drums of polychlorinated biphenyl ballasts were disposed at an offsite treatment and disposal facility.

All waste associated with this work has been disposed. Waste disposition documentation and photographs of fieldwork before, during, and after completion are enclosed with this letter.

The following non-waste-generating activities were also performed:

• All floor drains in non-radiologically contaminated areas of the building were grouted.
• Postmortem cell doors were opened in preparation for future radiological characterization.
• Deteriorated areas of the roof were repaired.
• Power to the facility was disconnected at the substations because the safety of the electrical system could not be confirmed due to water seepage into the building from the deteriorated roof. The building was rendered cold and dark.

Remaining closure work associated with CAU 114 will be documented in the Closure Report. Please direct comments and questions to Kevin J. Cabbie, of my staff, at (702) 295-5000.

Robert F. Boehlecke
Federal Project Director
Environmental Restoration Project

ERP:8022.CD

Enclosures:
As stated
cc w/encl.:
J. J. MacDougall, NDEP, Las Vegas, NV (2 electronic copies)
M. J. Krauss, N-I, Las Vegas, NV
T. A. Thiele, NSTec, Las Vegas, NV

cc w/o encl.:
J. T. Fraher, DTRA/CXTS, Kirtland AFB, NM
T. D. Taylor, N-I, Las Vegas, NV
N-I Central Files, MS NSF 156
NSTec Correspondence Control, MS NLV008
K. J. Cabbie, ERP, NNSA/NSO, Las Vegas, NV
E. F. Di Sanza, WMP, NNSA/NSO, Las Vegas, NV
FFACO Group, PSG, NNSA/NSO, Las Vegas, NV
NNSA/NSO Read File
PHOTOGRAPHS OF INTERIM CLOSURE ACTIVITIES

Yard Debris, 04/23/2009

Yard Debris Cleanup, 04/30/2009
After Removal of Yard Debris, 05/05/2009

Postmortem Tunnel Debris, 05/26/2009
Cleanup of Postmortem Tunnel, 05/28/2009

Postmortem Tunnel After Cleanup, 06/02/2009
Chiller Water Evaporation Basin, 09/01/2010

Solidification of Residual Chiller Water, 9/16/2010
Nevada Test Site

This Certificate acknowledges that the following shipment(s) of waste have been disposed at the Nevada Test Site Radioactive Waste Management Site.

<table>
<thead>
<tr>
<th>Shipment Number</th>
<th>Waste Stream Identification #</th>
<th>Package #</th>
<th>Date of Disposal</th>
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</thead>
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</tr>
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This certification is provided as a courtesy to the waste generator for information purposes only.

________________________________________   ___________  
Signature                                      Date

WASTE HANDLER
Title

Instructions:
Shipment Number – enter shipment number from LWIS database.
Date of Disposal – enter date waste was placed in disposal cell.
Nevada Test Site

This Certificate acknowledges that the following shipment(s) of waste have been disposed at the Nevada Test Site Radioactive Waste Management Site.

<table>
<thead>
<tr>
<th>Shipment Number</th>
<th>Waste Stream Identification #</th>
<th>Package #</th>
<th>Date of Disposal</th>
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This certification is provided as a courtesy to the waste generator for information purposes only.

_____________________________  __________________
Signature                      Date

_____________________________
WASTE HANDLER
Title

**Instructions:**
- Shipment Number – enter shipment number from LWIS database.
- Date of Disposal – enter date waste was placed in disposal cell.
NTS LANDFILL LOAD VERIFICATION

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7989.

REQUIRED: WASTE GENERATOR INFORMATION
(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Rebecca King
Location / Origin: CAU 114 E-MAD Area 25
Phone Number: 5-5804

Waste Category: (check one) [ ] Commercial [x] Industrial
Waste Type: [ ] NTS [ ] Putrescible [ ] Asbestos Containing Material
[ ] Non-putrescible [ ] Asbestos Containing Material [ ] FFACO-onsite
[ ] Pollution Prevention Category: [x] Environmental management [ ] FFACO-offsite [ ] Historic DOE/NV
[ ] Routine [ ] YMP
Method of Characterization: [ ] Sampling & Analysis [ ] Process Knowledge [ ] Contents
Prohibited Waste at all three NTS landfills:
- Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).
- Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES
Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulic; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

Acceptable waste at any NTS landfill:
- Paper [x] Rock / altered geologic materials [ ] Empty containers
- Asphalt [ ] Metal [ ] Wood [x] Soil [ ] Rubber (excluding tires)
- Plastic [x] Wire [ ] Cable [ ] Cloth [x] Insulation (non-Asbestosform)
- Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)
- Asbestos [ ] Friable [ ] Non-Friable (contact SWO if regulated load)

Additional waste accepted at the Area 23 Mercury Landfill:
- Office Waste [ ] Food Waste [ ] Animal Carcasses
- Asbestos [ ] Friable [ ] Non-Friable (contact SWO if regulated load) Quantity:

Additional waste accepted at the Area 9 U10C Landfill:
- Non-friable asbestos [ ] Drained automobiles and military vehicles
- Light ballasts (contact SWO) [ ] Drained fuel filters (gas & diesel)
- Hydrocarbons (contact SWO) [x] Other

Additional waste accepted at the Area 6 Hydrocarbon Landfill:
- Septic sludge [ ] Rags [ ] Drained fuel filters (gas & diesel)
- Plants [ ] Soil [ ] Sludge from sand/oil/water separators [ ] PCBs below 50 parts per million

REQUIRED: WASTE GENERATOR SIGNATURE

Initials: [ ] (If initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those items I have verified in the waste characterization method identified a prohibited and allowable waste items. I have contacted Property Management is approved for disposal in the landfill.

Print Name: Rebecca King
Signature: [ ] Date: [ ]

Note: "Food waste, office trash and animal carcasses do not require a radiologist must have signed removal certification statement with Load Verification."

Radiological Survey Release for Waste Disposal
This container/ load meets the criteria for no added man-made radioactive material
This container/ load meets the criteria for Redman Manual Table 4.2 release limits.
This container/ load is exempt from survey due to known background origin.

Signature: [ ] Date: [ ]

SWO USE ONLY
Load Weight (net from scale or estimate): 92,500 2-10-11
Signature of Certifier: [ ]
# NTS LANDFILL LOAD VERIFICATION

**SWO USE (Select One) AREA**
- 23
- 6
- 9/10C

**LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

**REQUIRED: WASTE GENERATOR INFORMATION**
(This form is for rolloffs, dump trucks, and other on-site disposal of materials.)

**Waste Generator:** Rebecca King
**Location / Origin:** CAU 114 E-MAD
**Phone Number:** 5-5804
**Fax - 5-7918**

**Waste Category: (check one)**
- Commercial
- Industrial
- Asbestos Containing Material
- FFACO
- WAC Exception
- Historic DOE/NV

**Waste Type: (check one)**
- NTS
- Non-NTS
- Putrescible
- FFACO-on-site
- FFACO-offsite
- Routine

**Pollution Prevention Category: (check one)**
- Environmental management
- Defense Projects
- YMP

**Method of Characterization: (check one)**
- Sampling & Analysis
- Process Knowledge
- Contents

**Prohibited Waste at all three NTS landfills:**
- Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

**Additional Prohibited Waste at the Area 9 U10C Landfill:**
- Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

**NOTE:** Waste disposal at the Area 8 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulic fluids; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

**Acceptable waste at any NTS landfill:**
- Paper
- Rocks / unaltered geologic materials
- Empty containers
- Asphalt
- Metal
- Wood
- Soil
- Rubber (excluding tires)
- Demolition debris
- Plastic
- Wire
- Cable
- Cloth
- Insulation (non-Asbestosform)
- Cement & concrete
- Manufactured items (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

**Additional waste accepted at the Area 23 Mercury Landfill:**
- Office Waste
- Food Waste
- Animal Carcasses
- Asbestos
- Friable
- Non-Friable (contact SWO if regulated load)

**Additional waste accepted at the Area 9 U10C Landfill:**
- Solid fractions from sand/soil/water
- Decomposed Underground and Above Ground Tanks
- Non-friable asbestos
- Drained automobiles and military vehicles
- Light ballasts (contact SWO)
- Drained fuel filters (gas & diesel)
- Hydrcarbons (contact SWO)
- Other

**Additional waste accepted at the Area 6 Hydrocarbon Landfill:**
- Crushed non-tarnished plated oil filters
- PCBs below 50 parts per million
- Septic sludge
- Rags
- Drained fuel filters (gas & diesel)
- Sludge from sand/soil/water separators

**REQUIRED: WASTE GENERATOR SIGNATURE**

*Initials:*

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that are allowed for disposal at this site. I have verified this through the waste characterization method identified above and a review of the above-mentioned prohibited and allowable waste items. I have contacted Property Management and have verified that this material/equipment is approved for disposal in the landfill.

**Print Name:** Paul E. DeWitt
**Signature:**
**Date:** 8/13/10

If applicable, place FRM-0648, "Radiological Release Sticker" here. Onsite use only.

**Note:** "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

**SWO USE ONLY**

**Load Weight (not from scale or estimate):** 6,940

**Signature of Certifier:**
nts landfill load verification

swu use (select one) area 23 6 x 9/10c landfill

for waste characterization, approval, and/or assistance, contact solid waste operation (SWO) at 5-7998.

required: waste generator information

(this form is for rolloffs, dump trucks, and other onsite disposal of materials.)

waste generator: rebecca king

location / origin: area 25 CAU 114 FMAO

phone number: 5-5804

fax: 5-7918

waste category: (check one) ☑ industrial

waste type: (check one)

☒ NTS ☑ non-putrescible ☐ asbestos containing material

pollution prevention category: (check one) ☑ environmental management

method of characterization: (check one) ☑ contents

prohibited waste at all three NTS landfills: radioactive waste; RCRA waste; hazardous waste; free liquids, PCBs above TSCA regulatory levels, and medical wastes (needles, sharps, bloody clothing).

additional prohibited waste at the area 9 U10C landfill: sewage sludge, animal carcasses, wet garbage (food waste), and friable asbestos

required: waste contents allowable wastes

check all allowable wastes that are contained within this load:

NOTE: waste disposal at the area 8 hydrocarbon landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.

acceptable waste at any NTS landfill:

☒ paper ☐ rocks / unaltered geologic materials ☑ empty containers

☒ metal ☐ wood ☐ soil ☑ rubber (excluding tires)

☒ wire ☑ cable ☑ cloth ☑ insulation (non-asbestos form)

☒ manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

additional waste accepted at the area 23 mercury landfill:

☒ office waste ☐ food waste ☐ animal carcasses

☐ asbestos ☑ friable ☑ non-friable (contact SWO if regulated load)

additional waste accepted at the area 9 U10C landfill:

☒ solid fractions from sand/soil/water

☒ decommissioned underground and above ground tanks

additional waste accepted at the area 8 hydrocarbon landfill:

☒ crushed non-tire plated oil filters

☒ PCBs below 50 parts per million

required: waste generator

initials: ___ (if initiated, no radiological clearance is necessary.)

the above mentioned waste was generated outside of a control area of knowledge, does not contain radiological materials.

to the best of my knowledge, the waste described above contains only that site. i have verified this through the waste characterization method identified prohibited and allowable waste items. i have contacted property management is approved for disposal in the landfill.

print name: dan tomaso

signature:

Date: 6/3/10

NOTE: "food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 5,380

signature of certifier: ___________________________
NTS LANDFILL LOAD VERIFICATION

**SWO USE (Select One)**
- **AREA**: [ ] 23 [ ] 6 [x] 9/10C
- **LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

**REQUIRED: WASTE GENERATOR INFORMATION**
(This form is for roll-offs, dump trucks, and other onsite disposal of materials.)

- **Waste Generator**: Rebecca King
- **Phone Number**: 5-5804
- **Location / Origin**: Area 25 CAU 114 EMAD
- **Fax**: 5-7798

**Waste Category**:
- [ ] Commercial
- [x] Industrial
- [ ] NTS
- [x] Putrescible
- [x] Asbestos containing Material
- [x] FFACO-onsite
- [x] WAC Exception
- [ ] FFACO-offsite
- [ ] Historic DOE/NV
- [ ] Environmental management
- [ ] Defense Projects
- [ ] YMP
- [ ] Routine
- [ ] Clean-Up
- [ ] Sampling & Analysis
- [ ] Process Knowledge
- [x] Contents

**Prohibited Waste at all three NTS landfills**:
- Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

**Additional Prohibited Waste at the Area 9 U10C Landfill**:
- Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

**REQUIRED: WASTE CONTENTS ALLOWABLE WASTES**
Check all allowable wastes that are contained within this load:

- [ ] Acceptable waste at any NTS landfill:
  - Paper
  - Rocks / unaltered geologic materials
  - Empty containers
  - Asphalt
  - Metal
  - Wood
  - Soil
  - Rubber (excluding tires)
  - Demolition debris
  - Plastic
  - Wire
  - Cable
  - Cloth
  - Insulation (non-Asbestosform)
  - Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

**Additional waste accepted at the Area 23 Mercury Landfill**:
- [ ] Office Waste
- [ ] Food Waste
- [ ] Animal Carcasses
- [ ] Asbestos
- [x] Friable
- [ ] Non-Friable (contact SWO if regulated load)
- [ ] Quantity:

**Additional waste accepted at the Area 9 U10C Landfill**:
- [ ] Non-friable asbestos
- [ ] Drained automobiles and military vehicles
- [ ] Solid fractions from sand/oil/water
- [ ] Light ballasts (contact SWO)
- [ ] Drained fuel filters (gas & diesel)
- [x] Decontaminated Underground and Above Ground Tanks
- [ ] Hydrocarbons (contact SWO)
- [ ] Other
- [ ] Crushed non-tame plated oil filters
- [ ] PCBs below 50 parts per million

**Additional waste accepted at the Area 6 Hydrocarbon Landfill**:
- [ ] Septic sludge
- [ ] Rags
- [ ] Drained fuel filters (gas & diesel)
- [ ] Plants
- [ ] Soil
- [ ] Sludge from sand/oil/water separators

**REQUIRED: WASTE GENERATION RCT Initials**

- **Initials**: ___ (if initiated, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only if site. I have verified this through the waste characterization method identified prohibited and allowable waste items. I have contacted Property Manager as approved for disposal in the landfill.

- **Print Name**: DAN TOGAS
- **Signature**: 
- **Date**: 5/6/13

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. From-containing appliances must have signed removal certification statement with Load Verification."

**SWO USE ONLY**

- **Load Weight**: 5340
- **Signature of Certifier**: 

[If applicable, place FRM-0648, "Radiological Release Sticker" here. Onsite use only.]

[Page 1 of 2]
### NTS LANDFILL LOAD VERIFICATION

**Form: FRM-0918**

**NTS LANDFILL USE (Select One)**

- **AREA**: 23, 6, X 9/10C
- **LANDFILL**

#### REQUIRED: WASTE GENERATOR INFORMATION

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7998.

- **Waste Generator**: Rebecca King
- **Location / Origin**: Area 25 CAU 114 EMAD

#### Waste Category:

- Commercial
- Industrial
- Putrescible
- Non-Putrescible
- Asbestos Containing Material
- FFACO-onsite
- FFACO-offsite
- WAC Exception
- Historic DOE/NV
- Environmental management
- Defense Projects
- YMP

#### Pollution Prevention Category:

- Sampling & Analysis
- Process Knowledge
- Contents
- Routine

#### Method of Characterization:

- Radiation
- Toxicity
- Other

#### Prohibited Waste at all three NTS landfills:

- Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

#### Additional Prohibited Waste at the Area 9 U10C Landfill:

- Sewage Sludge, Animal carcasses, Wet garbage (food waste), and Friable asbestos

#### Required: Waste Contents Allowable Wastes

Check all allowable wastes that are contained within this load.

- Acceptable waste at any NTS landfill:
  - Asphalt
  - Metal
  - Wood
  - Plastic
  - Paper
  - Rocks / unaltered geologic materials
  - Empty containers
  - Wood
  - Soil
  - Cloth
  - Cable
  - Metal
  - Wire
  - Wire
  - Mfr. Items: (swamp cooters, furniture, rugs, carpet, electronic components, PPE, etc.)

#### Additional waste accepted at the Area 23 Mercury Landfill:

- Asbestos
- Frieble
- Non-Frieble (contact SWO if regulated load)
- Quantity:

#### Additional waste accepted at the Area 9 U10C Landfill:

- Non-frieble asbestos
- Drained automobiles and military vehicles
- Solid fractions from sand/oilwater
- Drained fuel filters (gas & diesel)
- Deconned Underground and Above Ground Tanks
- Hydrocarbons (contact SWO)
- Other

#### Additional waste accepted at the Area 6 Hydrocarbon Landfill:

- Drained fuel filters (gas & diesel)
- Crushed non-terme plated oil filters
- PCBs below 50 parts per million
- Sludge from sand/oilwater separators
- Plants

#### Initials: (If Initials, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only site. I have verified this through the waste characterization method identified here. I have contacted Property Manager is approved for disposal in the landfill.

- **Print Name**: [Print Name]
- **Signature**: [Signature]
- **Date**: 10/7/09
- **Note**: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."
**NTS LANDFILL LOAD VERIFICATION**

**SWO USE (Select One)**  
AREA 23  
AREA 6  
AREA 9/10C  
LANDFILL  

**For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.**

**REQUΗED: WASTE GENERATOR INFORMATION**  
(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

- **Waste Generator:** Rebecca King  
- **Phone Number:** 5-5804  
- **Location / Origin:** Area 26 CAU 114 EMAD  
  - Fax 5-7918

**Waste Category:**  
- [ ] Commercial  
- [ ] Industrial

**Waste Type:**  
- [ ] Non-Putrescible
- [x] Asbestos Containing Material
- [ ] FFACO-onsite
- [ ] WAC Exception
- [ ] Historic DOE/NV

**Pollution Prevention Category:**  
- [x] Environmental management
- [ ] Defense Projects
- [ ] YMP

**Method of Characterization:**  
- [ ] Sampling and Analysis
- [x] Process Knowledge  
- [x] Contents

**Prohibited Waste at all three NTS landfills:**  
- Radioactive waste; RCRA waste; Hazardous waste; Freon liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

**Additional Prohibited Waste at the Area 9 U10C Landfill:**  
- Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

**REQUΗED: WASTE CONTENTS ALLOWABLE WASTES**

- Check all allowables that are contained within this load:

  **Acceptable waste at any NTS landfill:**  
  - [ ] Paper  
  - [ ] Rocks / unaltered geologic materials  
  - [ ] Empty containers
  - [ ] Asphalt  
  - [ ] Metal  
  - [ ] Wood  
  - [ ] Soil  
  - [ ] Rubber (excluding tires)  
  - [ ] Demolition debris
  - [ ] Plastic  
  - [ ] Wire  
  - [ ] Cable  
  - [ ] Cloth  
  - [ ] Insulation (non-Asbestosform)
  - [ ] Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

- **Additional waste accepted at the Area 23 Mercury Landfill:**  
  - Office Waste  
  - Food Waste  
  - Animal Carcasses

- **Additional waste accepted at the Area 9 U10c Landfill:**  
  - Non-Friable (contact SWO if regulated load)
  - Solid fractions from sand/oil/water
  - Deconned Underground and Above Ground Tanks

- **Additional waste accepted at the Area 6 Hydrocarbon Landfill:**  
  - Crushed non-tomo plated oil filters
  - PCBs below 50 parts per million

**Initials:** (If initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those site. I have verified this through the waste characterization method identified prohibited and allowable waste items. I have contacted Property Management and approval for disposal in the landfill.

- **Print Name:** Christopher Martin
- **Signature:**

Note: "Food waste, once trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

**SWO USE ONLY**

- **Load Weight (not from scale or estimate):** 12,230  
  - Signature of Certifier: 4-5-10
NTS LANDFILL LOAD VERIFICATION

SWO USE (Select One) AREA □ 23 □ 6 □ 9/10C LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operations (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION
(This form is for roll-offs, dump trucks, and other offsite disposal of materials.)

Waste Generator: Rebecca King
Phone Number: 5-5804
Fax: 5-9918

Location / Origin: AREA 26 CAU 114 EMAD

Waste Category: □ Commercial □ Industrial
□ Non-Pathogenic □ Asbestos Containing Material
□ Pathogenic □ FFACO-on-site □ FFACO-offsite □ WAC Exception
□ FFACO-on-site □ Historic DOE/NV

Pollution Prevention Category: □ Environmental management □ Defense Projects □ YMP
□ Clean-Up □ Routine

Method of Characterization: □ Sampling & Analysis □ Process Knowledge □ Contents

Prohibited Waste at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos.

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES
Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoils, lubricants, and hydraulic fluids; kerosene; asphaltic petroleum hydrocarbons; and ethylene glycol.

Acceptable waste at any NTS landfill: □ Paper □ Rocks/unaltered geologic materials □ Empty containers
□ Asphalt □ Metal □ Wood □ Soil □ Rubber (excluding tires) □ Demolition debris
□ Plastic □ Wire □ Gable □ Cloth □ Insulation (non-Asbestos) □ Cement & concrete
□ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: □ Office Waste □ Food Waste □ Animal Carcasses
□ Asbestos □ Friable □ Non-Friable (contact SWO if regulated load)

Additional waste accepted at the Area 9 U10C Landfill:
□ Non-Friable asbestos □ Drained automobiles and military vehicles □ Solid fractions from sand/cell/water
□ Light ballasts (contact SWO) □ Drained fuel filters (gas & diesel) □ Decommissioned under/ground
□ Hydrocarbons (contact SWO) □ Other

Additional waste accepted at the Area 6 Hydrocarbon Landfill:
□ Sump sludge □ Rags □ Drained fuel filters (gas & diesel)
□ Plants □ Soil □ Sludge from sand/cell/water separators
□ Crushed non-ferrous plated oil filters □ PCBs below 50 parts per million

INITIALS: ___ (If initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste knowldege, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only the site. I have verified this through the waste characterisation method identified prohibited and allowable waste items. I have contacted Property Management is approved for disposal in the landfill.

Print Name: Dwayne J. Moore
Signature: 

Load Weight (net from scale or estimate): 43,400 lb

Signature of Certifier:
**NTS LANDFILL LOAD VERIFICATION**

**SWO USE (Select One) AREA 23 6 9/10C LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7698.

**REQUIRED: WASTE GENERATOR INFORMATION**

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: **Rebecca King**  
Phone Number: 5-5804

Location / Origin: **AR ea 25 CAU 114 EMAD**

**Waste Category:**  
- [ ] Commercial  
- [x] Industrial

**Waste Type:**  
- [ ] NTS  
- [ ] Non-NTS

**Pollution Prevention Category:**  
- [ ] Environmental management  
- [x] Routine

**Method of Characterization:**  
- [ ] Sampling & Analysis  
- [x] Process Knowledge  
- [ ] Contents

**Prohibited Waste at all three NTS landfills:**
- Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

**Additional Prohibited Waste at the Area 9 U10c Landfill:**
- Sewage sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

**WASTE CONTENTS ALLOWABLE WASTES**

Check all allowable wastes that are contained within this load:

**NOTE:** Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or contaminants, such as: gasoline (no benzene, toluene); jet fuel; diesel fuel; lubricants and hydraulic; kerosene; asphaltic petroleum hydrocarbons, and ethylene glycol.

**Acceptable waste at any NTS landfill:**
- [ ] Paper  
- [ ] Rocks / unaltered geologic materials  
- [x] Empty containers  
- [x] Asbestos  
- [ ] Friable  
- [ ] Non-Friable (contact SWO if regulated load)

**Additional waste accepted at the Area 23 Mercury Landfill:**
- [ ] Office Waste  
- [ ] Food Waste  
- [ ] Animal Carcasses

**Additional waste accepted at the Area 9 U10c Landfill:**
- [ ] Non-Friable automobiles and military vehicles  
- [ ] Light ballasts (contact SWO)  
- [ ] Drained fuel filters (gas & diesel)  
- [ ] Insulation (non-Asbestosform)  
- [ ] Mass amounts of manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

**Additional waste accepted at the Area 6 Hydrocarbon Landfill:**
- [ ] Crushed non-ferrous plated oil filters  
- [ ] PCBs below 50 parts per million

**INTIALS:**  
(If initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Site, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only the site. I have verified this waste characterization method and it is approved for disposal in the landfill.

Print Name: **DAN DEGIRO**  
Signature:  
Date: **3/25/10**

**NOTE:** Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification.

**SWO USE ONLY**

Load Weight (net from scale or estimate): **3210**  
Signature of Certifier: **3/25/10**
# NTS LANDFILL LOAD VERIFICATION

**SWO USE (Select One)**
- [ ] 23
- [ ] 6
- [x] 9/10C

**LANDFILL**

**FOR WASTE CHARACTERIZATION, APPROVAL, AND/OR ASSISTANCE, CONTACT SOLID WASTE OPERATIONS (SWO) AT 5-7896.**

**REQUIRED: WASTE GENERATOR INFORMATION**

(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

**Waste Generator:** Rebecca King  
**Phone Number:** 5-5804

**Location / Origin:** Area 25 CAU 114 EMAD  
**Fax:** 5-7918

**Waste Category:** (check one)
- [ ] Commercial
- [x] Industrial
- [ ] Putrescible
- [ ] Radioactive waste
- [ ] RCRA waste
- [x] Hazardous waste
- [ ] Free liquids, PCBs above TSCA regulatory levels
- [ ] Medical wastes (needles, sharps, bloody clothing)

**Waste Type:** (check one)
- [ ] NTS
- [ ] Putrescible
- [x] Asbestos-containing Material
- [ ] Historic DOE/NV
- [x] FFACO-offsite
- [ ] FFACO-onsite
- [ ] Defense Projects
- [ ] YMP
- [ ] Routine

**Pollution Prevention Category:** (check one)
- [ ] Environmental management
- [ ] Clean-Up
- [ ] Process Knowledge
- [x] Contents

**Method of Characterization:** (check one)
- [ ] Sampling & Analysis
- [ ] Contents

**Prohibited Waste at all three NTS landfills:**
- Radioactive waste
- RCRA waste
- Hazardous waste
- Free liquids, PCBs above TSCA regulatory levels
- Medical wastes (needles, sharps, bloody clothing)

**Additional Prohibited Waste at the Area 9 U10C Landfill:**
- Sewage Sludge
- Animal carcasses
- Wet garbage (food waste)
- Friable asbestos

**REQUIRED: WASTE CONTENTS ALLOWABLE WASTES**

Check all allowable wastes that are contained within this load:

**Acceptable waste at any NTS landfill:**
- Paper
- Rocks / unaltered geologic materials
- Empty containers
- Demolition debris
- Rubber (excluding tires)
- Insulation (non-Asbestosform)
- Cement & concrete
- Plastic
- Metal
- Wood
- Soil
- Cloth
- Asphalt
- Wire
- Cable
- Manufactured items (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

**Additional waste accepted at the Area 23 Mercury Landfill:**
- Office Waste
- Food Waste
- Animal Carcasses
- Asbestos
- Friable
- Non-Friable (contact SWO if regulated load)

**Additional waste accepted at the Area 9 U10C Landfill:**
- Non-friable asbestos
- Drained automobiles and military vehicles
- Solid fractions from sand/oil/water
- Degraded Underground and Above Ground Tanks
- Light ballasts (contact SWO)
- Drained fuel filters (gas & diesel)
- Drained fuel filters (gas & diesel)
- Soils from sand/oil/water separators
- DCBs below 50 parts per million
- Hydrocarbons (contact SWO)
- Other

**Additional waste accepted at the Area 6 Hydrocarbon Landfill:**
- Septic sludge
- Drained fuel filters (gas & diesel)
- Crushed non-termite plated oil filters
- Plants
- Soil

**REQUIRED: WASTE GENERATOR SIGNATURE**

**Initials:**

The above mentioned waste was generated outside of a Controlled Waste knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only the site. I have verified this through the waste characterization method and prohibited and allowed waste items. I have contacted Property Manager for disposal in the landfill.

**Print Name:** ANJ TAbIArn

**Signature:**

**Date:** 3/23/10

**Note:** Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification.

**SWO USE ONLY**

**Load Weight (not from scale or estimate):** 3160  
**Signature of Certifier:**

---

**Radiological Survey Release for Waste Disposal**

**RGT Initials:**

This container/load meets the criteria for no added man-made radioactive material

This container/load meets the criteria for the Additive Table 4.2 release limit.

This container/load is exempt from survey due to known land use and origin.

**SIGNATURE:**

**DATE:** 3/23/10

---

**FRM-0646 (8/88)**

"Radiological Release Stickers" here. Onsite use only.
NTS LANDFILL LOAD VERIFICATION

SWO USE (Select One) AREA  23  6  9/10C LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION
(This form is for rolloffs, dump trucks, and other on-site disposal or materials.)

Waste Generator: Rebecca King
Phone Number: 5-5804

Location / Origin: Area 25 CAU 114 EMAD

Waste Category: (check one) Commercial Industry
Waste Type: (check one) NTS Putrescible
Non-Putrescible Asbestos Containing Material

Pollution Prevention Category: (check one) Environmental management
Clean-Up

Method of Characterization: (check one) Sampling & Analysis
Process Knowledge

Prohibited Waste at all three NTS landfills:
Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10C Landfill:
Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUERED: WASTE CONTENTS ALLOWABLE WASTES
Check all allowable wastes that are contained within this load:

- Acceptable waste at any NTS landfill:
  - Paper
  - Rocks / unaltered geologic materials
  - Empty containers
  - Plastic
  - Wood
  - Soil
  - Rubber (excluding tires)
  - Demolition debris
  - Asbestos:
  - Insulation (non-Asbestos form)
  - Made items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

- Additional waste accepted at the Area 23 Mercury Landfill:
  - Office Waste
  - Food Waste
  - Animal Carcasses
  - Asbestos
  - Friable
  - Non-Friable (contact SWO if regulated load)
  - Quantity:

- Additional waste accepted at the Area 9 U10C Landfill:
  - Non-friable asbestos
  - Drained automobiles and military vehicles
  - Solid fractions from sand/oil/water
  - Light balance (contact SWO)
  - Drained fuel filters (gas & diesel)
  - Deconfined Underground and Above Ground Tanks
  - Hydrocarbons (contact SWO)
  - Other

- Additional waste accepted at the Area 6 Hydrocarbon Landfill:
  - Septic sludge
  - Rags
  - Drained fuel filters (gas & diesel)
  - Crushed non-ferrous plate oil filters
  - Plants
  - Soil
  - Sludge from sand/oil/water separators
  - PCBs below 50 parts per million

- Radiological Survey Release for Waste Disposal

  This container/lot meets the criteria for no notched man-made radioactive material.
  This container/lot meets the criteria for Radon Manual Table 4.2 release limits.
  This container/lot is exempt from survey due to obscure knowledge and origin.

  SIGNATURES

  DATE: 3/23/10

  If applicable, place FRM-0646, "Radiological Release Sticker" here. Onsite use only.

SWO USE ONLY

Load Weight (net from scale or estimate): 2000

Initials: (If initialied, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste knowledge, does not contain radioactive materials.

To the best of my knowledge, the waste described above contains only the site. I have verified this through the waste characterization method identified prohibited and allowable waste items. I have contacted Property Management and/or approved for disposal in the landfill.

Print Name: DAN TEBRISON
Signature: 
Date: 3/23/10

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Certification."

Signature of Certifier:
NTS LANDFILL LOAD VERIFICATION

SWO USE (Select One)  AREA: 23 □ 6 □ 9 □ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7898.

REQUIRED: WASTE GENERATOR INFORMATION
(This form is for roll-offs, dump trucks, and other onsite disposal of materials.)

Waste Generator:  Kevin Olsen
Location / Origin: Area 25 CAU 114 EMAD
Phone Number: 5-2941

Waste Category: (check one) □ Commercial □ Industrial
☐ Non-Permissible
☐ Permissible
☐ Radioactive waste
☐ Asbestos containing material
☐ FFACO-onsite
☐ FFACO-offsite
☐ Historic DOE/NT

Pollution Prevention Category: (check one) □ Environmental management □ Defense Projects □ YMP
☐ Routine
☐ Sampling & Analysis
☐ Process Knowledge

Method of Characterization: (check one) □ Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).
☐ Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

Prohibited Waste at all three NTS landfills:

Required: Waste Contents Allowable Wastes
Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead), jet fuel, diesel fuel, lubricants and hydraulics; kerosene; asphalts; petroleum hydrocarbons; and ethylene glycol.

Acceptable waste at any NTS landfill:
☐ Paper
☐ Empty containers
☐ Rocks / unaltered geologic materials
☐ Empty containers
☐ Asbestos
☐ Wood
☐ Rubber (excluding tires)
☐ Decommissioning materials
☐ Plastic
☐ Soil
☐ Insulation (non-Asbestosform)
☐ Decommissioning materials
☐ Wire
☐ Cable
☐ Cement & concrete
☐ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill:
☐ Office Waste
☐ Food Waste
☐ Animal Carcasses
☐ Additional waste accepted at the Area 9 UT10C Landfill:
☐ Non-Friable (contact SWO if regulated load)
☐ Asbestos
☐ Asbestos
☐ Friable
☐ Additional waste accepted at the Area 9 UT10C Landfill:
☐ Non-Friable asbestos
☐ Drained automobiles and military vehicles
☐ Solid fractions from sand/oil/water
☐ Light ballasts (contact SWO)
☐ Drained fuel filters (gas & diesel)
☐ Decommissioned underground and above ground tanks
☐ Hydrocarbons (contact SWO)
☐ Other
☐ Additional waste accepted at the Area 6 Hydrocarbon Landfill:
☐ Septic sludge
☐ Rags
☐ Drained fuel filters (gas & diesel)
☐ Crushed non-remote plated oil filters
☐ Plants
☐ Soil
☐ Sludge from sand/oil/water separators
☐ PCBs below 50 parts per million

RECOMMEND: WASTE GENERATOR SIGNATURE

Initials: (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials that have been verified through the waste characterization method identified above. Any prohibited and allowable waste items have been approved for disposal in the landfill.

Print Name:  Kevin Olsen
Signature: ___________________________ Date: 5-4-09

Note: "Food waste, office trash and animal carcasses do not require a radiological clearance.

SWO USE ONLY
Load Weight (net from scale or estimate): 30,000
Signature of Certifier: ___________________________ Date: 5-5-09

Radiological Survey Release for Waste Disposal RCT Initials

This container/loose meets the criteria for no added man-made radioactive material
This container/loose meets the criteria for Radcon Manual Table 4.3 release limits.
This container/loose is exempt from survey due to process knowledge and origin.

Signature: ___________________________ Date: 5-4-09
### NTS LANDFILL LOAD VERIFICATION

**SWO USE (Select One)**  
- [ ] AREA 23  
- [ ] AREA 6  
- [x] AREA 9  
- [ ] LANDFILL

**Waste Generator:** Kevin Olsen  
**Phone Number:** 5-2941

**Location / Origin:** Area 25 CAU 114 EMAD

**Waste Category:** 
- [x] Commercial  
- [ ] Industrial

**Waste Type:** 
- [ ] NTS  
- [ ] Petrolizable  
- [ ] Non-Petrolizable  
- [ ] Asbestos Containing Material  
- [ ] FFACO-onsite  
- [x] WAC Exception  
- [ ] FFACO-offsite  
- [ ] Historic DOC/NV

**Pollution Prevention Category:** 
- [x] Environmental management  
- [ ] Defense Projects  
- [ ] YMP

**Method of Characterization:** 
- [x] Sampling & Analysis  
- [ ] Process Knowledge  
- [ ] Contents

**Prohibited Waste at all three NTS Landfills:** 
- Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels; and Medical wastes (needles, sharps, bloody clothing).

**Additional Prohibited Waste at the Area 9 U10c Landfill:** 
- Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

**Required: Waste Contents Allowable Wastes**  
Check all allowable wastes that are contained within this load:

- Acceptable waste at any NTS landfill: 
  - [ ] Paper  
  - [ ] Rocks / unaltered geologic materials  
  - [ ] Empty containers
  
  - [x] Metal  
  - [x] Wood  
  - [ ] Soil  
  - [ ] Rubber (excluding tires)  
  - [ ] Demolition debris
  
  - [ ] Plastic  
  - [ ] Wire  
  - [ ] Cable  
  - [ ] Cloth  
  - [ ] Insulation (non-Asbestosform)  
  - [ ] Cement & concrete
  
  - [ ] Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

**Additional waste accepted at the Area 23 Mercury Landfill:** 
- [ ] Office Waste  
- [ ] Food Waste  
- [ ] Animal Carcasses

**Additional waste accepted at the Area 9 U10c Landfill:** 
- [ ] Non-Friable (contact SWO if regulated load)

**Required: Waste Generator Signature**

**Initials:** ___ (If Initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste Management Area (CWMA) and to the best of my knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials I have verified through the waste characterization method identified above: prohibited and allowable waste items. I have contacted Property Management and it is approved for disposal in the landfill.

**Print Name:** Kevin Olsen  
**Signature:** ___________________________  
**Date:** 5-1-09

**Note:** "Food waste, office trash and animal carcasses do not require a radiological clearance but must have signed removal certification statement with Load Verification."

**Load Weight (net from scale or estimate):** 23.020  
**Signature of Certifier:** ________________
# NTS LANDFILL LOAD VERIFICATION

**SWO USE (Select One)**  
AREA: 23  
6  
9  
**LANDFILL**

For waste characterization, approval, and/or assistance, contact Solid Waste Operations (SWO) at 5-7898.

**REQUIRED: WASTE GENERATOR INFORMATION**

(Waste is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Christopher McGovin  
Phone Number: 5-6211

Location-Origin: 561 N4 5C 25-01-03 E-Mod

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<th>Industrial</th>
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<td>Putrescible</td>
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<td></td>
<td>Asbestos Containing Material</td>
<td>FFACO-on-site</td>
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<tr>
<td></td>
<td>FFACO-offsite</td>
<td>Historic DOE/MV</td>
</tr>
</tbody>
</table>

**Pollution Prevention Category (check one):**  
- Environmental management
- Defense Projects
- YMP

**Pollution Prevention Category (check one):**  
- Routine

**Method of Characterization (check one):**  
- Sampling & Analysis
- Process Knowledge
- Contents

Prohibited Waste at all three NTS landfills:  
- Radioactive waste
- RCRA waste
- Hazards waste
- Liquids, PCBs above TSCA regulatory levels, and Medical waste (needles, sharps, bloody clothing)

**Additional Prohibited Waste at the Area 9 U10c Landfill:**  
- Sewage Sludge
- Animal carcasses
- Wet garbage (food waste)
- Friable asbestos

**REQUIRED: WASTE CONTENTS ALLOWABLE WASTES**  
Check out all waste that are contained within this load.

**NOTE:** Waste disposal at the Area 8 Hydrocarbon Landfill must have come into contact with petrol by hydrocarbons or coolants, such as: gasoline (no benzene, lead), jet fuel, diesel fuel, lubricants and hydraulics; kerosene, asphaltic petroleum hydrocarbons, and ethylene glycol.

Acceptable waste at any NTS landfill:  
- Paper
- Rocks / unaltered geologic material
- Empty containers
- Asbestos
- Metal
- Wood
- Soll
- Rubber (excluding tires)
- Demolition debris
- Plastic
- Cloth
- Insulation (non-Asbestos foam)
- Cement & concrete
- Electrical equipment (asbestos)
- Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the NTS Mercury Landfill:  
- Office Waste
- Food Waste
- Animal Carcasses
- Quantity: __________

Additional waste accepted at the Area 23 Mercury Landfill:  
- Asbestos
- Frangible
- Non-Frangible (contact SWO if regulated load)

Additional waste accepted at the Area 9 U10c Landfill:  
- Non-frangible asbestos
- Drained automobiles and military vehicles
- Solid fractions from sandstolwater
- Light ballasts (contact SWO)
- Drained fuel filters (gas & diesel)
- Decayed Underground and Above Ground Tanks
- Hydrocarbons (contact SWO)
- Other

Additional waste accepted at the Area 8 Hydrocarbon Landfill:  
- Septic sludge
- Rags
- Drained fuel filters (gas & diesel)
- Crushed non-torn plated oil filters
- Plants
- Soil
- Sludge from sandstolwater separators
- PCBs below 50 ppm per million

**REQUIRED: WASTE GENERATOR SIGNATURE**

Initials: __________ (if initialed, no radiological clearance is necessary)

The above mentioned waste was generated outside of a Controlled Waste Management knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only those materials at prohibited and allowable waste items. I have verified this through the waste characterization method identified at the site. I have contacted Property Management and am approved for disposal in this landfill.

Print Name: Christopher McGovin  
Signature: __________  
Date: 4-30-09  
Note: "Food waste," office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification.

**SWO USE ONLY**

Load Weight (not from scale or estimate): __________

Signature of Certifier: __________
NTS LANDFILL LOAD VERIFICATION

SWO USE (Select One) AREA □ 23 □ 6 □ 9 □ LANDFILL

For waste characterization, approval, and/or assistance, contact Solid Waste Operation (SWO) at 5-7998.

REQUIRED: WASTE GENERATOR INFORMATION
(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)

Waste Generator: Christopher McGoun
Phone Number: 5-6211
Location / Origin: CAV 114 CAS 25-41-03 E-Mad

Waste Category: (check one) □ Commercial □ Industrial
□ NTS □ Putrescible □ Asbestos Containing Material □ FFACO-onsite □ WAC Exception
□ Non-Putrescible □ FFACO-offsite □ Historico DOE/NV

Pollution Prevention Category: (check one) □ Environmental management □ Defense Projects □ YMP
□ Routine □ Clean-Up □ Sampling & Analysis □ Process Knowledge □ Contents

Method of Characterization: (check one) □ Prohibited at all three NTS landfills: Radioactive waste; RCRA waste; Hazardous waste; Free liquids, PCBs above TSCA regulatory levels, and Medical wastes (needles, sharps, bloody clothing).

Additional Prohibited Waste at the Area 9 U10c Landfill: Sewage Sludge, Animal carcasses, Wet garbage (food waste); and Friable asbestos

REQUIRED: WASTE CONTENTS ALLOWABLE WASTES
Check all allowable wastes that are contained within this load:

NOTE: Waste disposal at the Area 6 Hydrocarbon Landfill must have come into contact with petroleum hydrocarbons or coolants, such as: gasoline (no benzene, lead); jet fuel; diesel fuel; lubricants and hydraulic fluids; kerosene; asphalts; petroleum hydrocarbons; and ethylene glycol.

Acceptable waste at any NTS landfill: □ Paper □ Rocks / unaltered geologic materials □ Empty containers
□ Asphalt □ Metal □ Wood □ Soil □ Rubber (excluding tires) □ Demolition debris
□ Plastic □ Wire □ Cable □ Cloth □ Insulation (non-Asbestos) □ Cement & concrete
□ Manufactured items: (swamp coolers, furniture, rugs, carpet, electronic components, PPE, etc.)

Additional waste accepted at the Area 23 Mercury Landfill: □ Office Waste □ Food Waste □ Animal Carcasses
□ Asbestos □ Friable □ Non-Friable (contact SWO if regulated load) Quantity:

Additional waste accepted at the Area 9 U10c Landfill:
□ Non-friable asbestos □ Drained automobiles and military vehicles □ Solid fractions from sand/oil/water
□ Light ballasts (contact SWO) □ Drained fuel filters (gas & diesel) □ Deconed Underground and Above
□ Hydrocarbons (contact SWO) □ Other □ Ground Tanks

Additional waste accepted at the Area 6 Hydrocarbon Landfill: □
□ Septic sludge □ Rags □ Drained fuel filters (gas & diesel) □ Crushed non-tempe plated oil filters
□ Plants □ Soil □ Sludge from sand/oil/water separators □ PCBs below 50 parts per million

REQUIRES: WASTE GENERATOR SIGNATURE

Initials: ______ (if initialed, no radiological clearance is necessary.)

The above mentioned waste was generated outside of a Controlled Waste knowledge, does not contain radiological materials.

To the best of my knowledge, the waste described above contains only the waste, I have verified this through the waste characterization method identified prohibited and allowable waste items. I have contacted Property Manager of SWO for disposal in the landfill.

Print Name: Christopher McGoun
Signature: ______________________ Date: 4-28-09

Note: "Food waste/office trash and animal carcasses do not require a radiological clearance. Freon-containing appliances must have signed removal certification statement with Load Verification."

SWO USE ONLY

Load Weight (net from scale or estimate): 6,500 Signature of Certifier: 4-28-09

Radiochemical Survey Release for Waste Disposal
RCT Initials: 

This container/load meets the criteria for no
added man-made radioactive material
This container/load meets the criteria for
Radon Manual Table 4.2 release limits.

This container/load is exempt from survey
Due to youracknowledgement night.

SIGNATURE: ________________________ DATE: 4-28-09

FRM-0646 (08/06)

here. Onsite use only.
**INVOICE/Bill of Lading - C**

**PO # -**

**Next Delivery**

**Truck Gross Wt** 27886

**Tare Wt** 27886

**Truck Net Wt** 27886

**Truck #**

**CUST LOC #**

**FED ID** 59-3210374

**US DOT #** 641752

**Transporter Name** Thermo Fluids Inc

**Receiving Facility** Thermo Fluids Inc

**City, St Zip** Mercury, NV, 89023

**City, St Zip** Las Vegas, NV, 89052

**Phone** 702-359-6262

**Phone** 702-359-6220

**EPA # (if Required)**

**Billing Address (if Different)**

**Field Screen Test** (Circle One): HydroChlor, Q-4000 **Result:**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>P/U</th>
<th>DEL</th>
<th>U of M</th>
<th>M</th>
<th>Shipping Description</th>
<th>Inventory/ Rate</th>
<th>Tank Size</th>
<th>Total</th>
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<tbody>
<tr>
<td>1250 gals</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>UN1983, Combustible Liquid, N.O.S. (Methanol), Class 3, PG III, ERG 128 (Washer Fluid)</td>
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<td></td>
<td>UN1268, Petroleum Products, N.O.S., Class 3, PG III ERG 128 (New Solvent)</td>
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<td></td>
<td>UN1268, Petroleum Products, N.O.S., Class 3, PG III ERG 128 (Used Solvent)</td>
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<td>UN1993, Flammable Liquid, N.O.S., Class 3, PG III Circle One: Diesel Jet Fuel, Gasoline ERG 128 (Unused Fuel)</td>
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<td>UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Ethylene Glycol), Class 9, PG III ERG 171 (Used Antifreeze)</td>
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<td>UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Ethylene Glycol), Class 9, PG III Circle One: Premix, Conc, Ext Life ERG 171 (New Antifreeze)</td>
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<td>Non-Regulated Liquid, Used Oil</td>
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<td>Non-Regulated Liquid, Used Oil Filters</td>
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<td></td>
<td>Non-Regulated Solid, Specialty Filters</td>
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<td>Non-Regulated Solid: Circle One: Dirt, Sludge, Absorbent Profile:</td>
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<td></td>
<td>Non-Regulated Liquid, Circle One: Grit Trap Separator, Storm Drain, Mop Water, Other: Profile:</td>
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<td></td>
<td>Service Fee</td>
<td>Truck Time</td>
<td>Other: Fuel surcharge</td>
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</tr>
</tbody>
</table>

**GENERATOR SIGN BELOW**, Subject to terms and conditions as specified on reverse side of form.

**Generator Signature**

**Name** Carlos Gutierrez

**Date** 4/28/10

**Transporter Signature**

**Name** DeL A. Sendic

**Date** 4/28/10

**Receiver Signature**

**Name** DeL A. Sendic

**Date** 4/28/10

In Case of Emergency, Call: Chemtrec 1-800-262-8200

**REMINTO**: THERMO FLUIDS INC.

39354 TREASURY CENTER

CHICAGO, IL 60694-9300

**METHOD OF PAYMENT**: CASH / CREDIT CARD / TERMS

**CHECK #**
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. **Generator ID Number**: NV3840070001
2. **Page 1 of 1**
3. **Emergency Response Phone**: 800-424-9300
4. **Manifest Tracking Number**: 007137369 JJK

5. **Generator's Name and Mailing Address**
   - **NSREC for US DOE**
   - P.O. Box 98580, LV 89180
   - **Las Vegas, NV 89173**
   - **Gen. Phone**: 702-243-7585

6. **Transporter 1 Company Name**: EVERGREEN ENVIRONMENTAL SERVICES
   - **U.S. EPA ID Number**: CAD982413262

7. **Transporter 2 Company Name**: EVERGREEN ENVIRONMENTAL SERVICES
   - **U.S. EPA ID Number**: CAD981396420

8. **Facility's Name and Mailing Address**
   - **16694 SAN PEDRO STREET, CARSON CA, 90746**
   - **Facility's Phone**: 1-800-972-5224

9. **U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))**
   - **NON-RTC HAZARDOUS WASTE, LIQUID**
   - **Container No.**: 1
   - **Type**: TT
   - **Quantity**: 3600 G
   - **Unit of Measurement**: GW
   - **Waste Codes**: 22.1

10. **Special Handling Instructions and Additional Information**
    - 24-Hour Emergency Response Telephone No.: CHEMTREC 1-800-424-9300
    - DOT REG: 171 WEAR PROTECTIVE CLOTHING

11. **Generator/Shipper's Certification**:
    - I hereby declare that the contents of this consignment and are classified, packaged, marked and labeled, and are in compliance with applicable national and state regulations.
    - I certify that the waste minimization statements (if any) are true.

12. **International Shipments**
    - **Import to U.S.**: Yes
    - **Export from U.S.**: No
    - **Port of entry/exit**: Port of Carson
    - **Date leaving U.S.**: 07/22/10

13. **Transporter Acknowledgment of Receipt of Materials**
    - **Transporter 1 Name**: WILLIAM HAMSO
    - **Transporter 2 Name**:
    - **Transporter 1 Signature**:
    - **Transporter 2 Signature**:

14. **Discrepancy**
    - **Discrepancy Indication**: 
      - Quantity: Yes
      - Type: No
      - Residue: No
      - Partial Rejection: No
      - Full Rejection: No

15. **Manifest Reference Number**: 
    - **U.S. EPA ID Number**:

16. **Alternate Facility (Facility 2)**
    - **Facility's Name**: 
    - **Signature**: 

17. **Alternate Facility (Facility 3)**
    - **Facility's Name**: 
    - **Signature**: 

18. **Hazardous Waste Report Management Method Codes**
    - **Method Codes**: 
      - Code 1
      - Code 2
      - Code 3
      - Code 4

19. **Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a**
    - **Printed/Typed Name**: 
    - **Signature**: 

---

EPA Form 8700-22 (Rev. 9-05) Previous editions are obsolete.

**GENERATOR'S INITIAL COPY**
UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NV98990000001

2. Page 1 of 4

3. Emergency Response Phone: 702-205-7365

4. Manifest Tracking Number: 007135820 JJK

5. Generator’s Name and Mailing Address: ASTEC FOR USDOE
   P.O. BOX 39521 m/v NTS 110 LAS VEGAS, NV 89133

6. Generator’s Phone: 702-929-7400

7. Transporter 1 Company Name: EVERGREEN ENVIRONMENTAL SERVICES

8. Transporter 2 Company Name: EVERGREEN ENVIRONMENTAL SERVICES

9. Designated Facility Name and Site Address:
   EVERGREEN ENVIRONMENTAL SERVICES
   14501 GANNON WATSON ST
   CARSON, CA 90745

10. Facility’s Phone: 702-929-7400

11. 10. Containers

12. U.S. EPA ID Number: CAD982413262

13. Waste Codes

14. Special Handling Instructions and Additional Information

15. GENERATOR/OFFERER’S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the primary exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified as 40 CFR 262.27(a) (i.e., if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.


17. Transporter Acknowledgment of Receipt of Materials

18. Discrepancy

19. Hazardous Waste Label Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

EPA Form 8700-22 (Rev. 3-06) Previous editions are obsolete.

GENERATOR’S INITIAL COPY
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. **Generator ID Number**: NV380100010001
2. **Page 1 of**: 1
3. **Emergency Response Phone**: 800-424-9300
4. **Manifest Tracking Number**: 007131140 JJK

5. **Generator's Name and Mailing Address**:
   - Generous Environmental Services
   - HEDAL San Antonio St
   - PO Box 7581
   - San Antonio, TX 78210
   - TEL: 210-245-4026
   - FAX: 210-245-4026
   - U.S. EPA ID Number: 609X021184

6. **Transporter 1 Company Name**: Generous Environmental Services
7. **Transporter 2 Company Name**: Generous Environmental Services

8. **Designated Facility Name and Site Address**: Generous Environmental Services
   - 1600 Tift Rd
   - Alpharetta, GA 30005
   - TEL: 866-608-0508
   - FAX: 866-608-0508
   - U.S. EPA ID Number: 609X021184

9. **U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Numbers, and Packing Group (if any))**: Non Reg. Hazardous Waste, Liquid (Class 8, UN 2010)

10. **Containers**:
    - **No.**: 1
    - **Type**: TT
    - **Quantity**: 3975 G
    - **Wt./Vol**: 221

14. **Special Handling Instructions and Additional Information**:
    - 24 Hour Emergency Response Tel. No.: CHEMTREC, 1-800-424-9300
    - Not for clothing, Not for clothing

15. **GENERATORS/OFFER'S CERTIFICATION**: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked, and labeled in accordance with all applicable international and national packaging regulations. If export shipment and I am the primary exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.

16. **Owner/Operator's Printed/Typed Name**: Cristo Carlos Gonzales

17. **International Shipment**: No
    - Import to U.S.: No
    - Export from U.S.: No
    - Port or airport: None
    - Date leaving U.S.: None

18. **Transporter 1 Printed/Typed Name**: William Lewis
19. **Transporter 2 Printed/Typed Name**: William Lewis

20. **Discrepancy**: None

21. **Alternate Facility (or Generator)**

22. **Facility's Phone**: None

23. **Signature of Alternate Facility (or Generator)**

24. **Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)**
    - Code 1
    - Code 2

25. **Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 16a**

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.
UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's Name and Address
   NV3890090001
   NSTEC FOR USDOE
   P.O. BOX 981231, MS NIA 9110
   LAB VEGAS, NV 89193
   Laboratory Phone: (702) 295-3132

2. Transporter 1 Company Name
   CAST TRANSPORTATION
   U.S. EPA ID Number: COR000005389

3. Designated Facility Name and Site Address
   U.S. ECOLOGY
   May 95, 12 Mi. SOUTH OF BEATTY
   BEATTY, NV 89003
   Facility Phone: (800) 239-3943

4. Wa. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group [if any])
   RC1: UN1203, Waste Gasoline, 3, II. (DO01)
   X2: UN1903, Waste Flammable Liquids, n.o.s., 3, II. Labpack.
   RC2: UN1903, Waste Flammable Liquids, n.o.s. (Benzene, methyl ethyl ketone), 3, II. (DO01, DO06, DO07, DO08, DO18)
   X2: UN1903, Waste Flammable Liquids, n.o.s. (Benzene, methyl ethyl ketone), 3, II. (DO01, DO06, DO07, DO08, DO18)

5. Local Container No.
   6 DM 2352 P DO01 DO18
   1 DM 204 P DO01 U154 DO06 DO07 DO08 DO18
   1 DM 203 P DO01 DO05 DO06 DO07 DO08 DO18
   1 DM 97 P DO01 DO06 DO18

6. Special Handling Instructions and Additional Information
   1. ER 128; NS-NTS-10-0048 THRU 0053; 13-9713. 2. ER 128; NS-NTS-10-0108; LP 13-1015. 3. ER 128; NS-NTS-10-0076; ALSO DO05; 13-0360. 4. ER 128; NS-NTS-10-0107; LP 13-1015. LOAD 10015.

7. Generator's Certification
   GENERATOR'S OFFICER CERTIFICATION: I hereby declare that the contents of this container are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled as specified, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I export shipment and hour the Primary Exporter.

8. Transporter's Certification
   TRANSPORTER'S CERTIFICATION: I hereby declare that the contents of this container is fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled as specified, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I export shipment and hour the Primary Exporter.

9. Designated Facility's Certification
   DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

EPA Form 8522-22 (Rev. 3/06) Previous editions are obsolete.
<table>
<thead>
<tr>
<th>Description</th>
<th>Container No.</th>
<th>Container Type</th>
<th>Quantity</th>
<th>Unit</th>
<th>Code</th>
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<tbody>
<tr>
<td>NA1939: Waste Combustible liquid, n.o.s. (lead, solvent naphtha)</td>
<td>2 DM</td>
<td></td>
<td>503</td>
<td>P</td>
<td>D008</td>
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<tr>
<td>NA1203: Waste Gasohol, 3, XI. (D001)</td>
<td>2 DM</td>
<td></td>
<td>873</td>
<td>P</td>
<td>D001, D018</td>
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<tr>
<td>Waste Consumer Commodity, GBM-D</td>
<td>1 DF</td>
<td></td>
<td>67</td>
<td>P</td>
<td>D002, D005, D035</td>
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<td>UN2760: Waste Corrosive Liquids, n.o.s., 8, III. Labpack</td>
<td>1 DF</td>
<td></td>
<td>2</td>
<td>P</td>
<td>D002</td>
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<tr>
<td>UN3264: Waste Corrosive liquid, acidic, inorganic, n.o.s. (ferric nitrate, nitric acid), 8, II</td>
<td>1 DF</td>
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<td>19</td>
<td>P</td>
<td>D002</td>
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<td>UN2794: Waste Batteries, wet, filled with acid, 8, III</td>
<td>1 DF</td>
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<td>206</td>
<td>P</td>
<td>D002, D004, D008</td>
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<td>UN3432: Polychlorinated biphenyls, solid, 9, III</td>
<td>5 DM</td>
<td></td>
<td>589</td>
<td>K</td>
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<td>UN2315: Polychlorinated biphenyls, liquid, 9, III</td>
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<td>735</td>
<td>K</td>
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<td>NA3072: Hazardous waste, solid, n.o.s. (lead, isobutanol)</td>
<td>2 DM</td>
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<td>208</td>
<td>P</td>
<td>D008, F005</td>
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<td>NA3072: Hazardous waste, solid, n.o.s. (di-n-butylphthalate, cadmium)</td>
<td>1 DF</td>
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<td>10</td>
<td>P</td>
<td>D005, D006, D008</td>
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**Special Handling Instructions and Additional Information**


**Transporter Acknowledgment of Receipt of Materials**

- Printed/Faxed Name: [Signature]
  - Month: [Month] Day: [Day] Year: [Year]
- Printed/Faxed Name: [Signature]
  - Month: [Month] Day: [Day] Year: [Year]
- Designation: [H132]
<table>
<thead>
<tr>
<th>No.</th>
<th>Hazardous Waste</th>
<th>Type</th>
<th>Quantity</th>
<th>Unit</th>
<th>Waste Codes</th>
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<tbody>
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<td>1</td>
<td>NA3077, Hazardous waste, solid, n.o.s. (hexachlorobutadiene, hexachlorobenzene), 9, III</td>
<td>DM</td>
<td>32</td>
<td>P</td>
<td>D030, D032, D033</td>
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<tr>
<td>2</td>
<td>NA3077, Hazardous waste, solid, n.o.s. (chromium, mercury), 9, III</td>
<td>DF</td>
<td>6</td>
<td>P</td>
<td>D003, D007, D008</td>
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<td>3</td>
<td>NA3077, Hazardous waste, solid, n.o.s. (benzene, methyl ethyl ketone), 9, III</td>
<td>DF</td>
<td>6</td>
<td>P</td>
<td>D005, D006, D007</td>
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<tr>
<td>4</td>
<td>NA3077, Hazardous waste, solid, n.o.s. (lead), 9, III</td>
<td>DM</td>
<td>160</td>
<td>P</td>
<td>D008</td>
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<tr>
<td>5</td>
<td>NA3082, Hazardous waste, liquid, n.o.s. (selenium, 2,4-dinitrotoluene), 9, III</td>
<td>DF</td>
<td>264</td>
<td>P</td>
<td>D030, D032</td>
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<tr>
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<td>NA3082, Hazardous waste, liquid, n.o.s. (selenium, 2,4-dinitrotoluene), 9, III</td>
<td>DM</td>
<td>90</td>
<td>P</td>
<td>D030, D032</td>
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<td>7</td>
<td>NA3082, Hazardous waste, liquid, n.o.s. (mercury), 9, III</td>
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<td>8</td>
<td>UN1593, Waste Dichloromethane, 6.1, III, Toxic</td>
<td>DF</td>
<td>15</td>
<td>P</td>
<td>D080</td>
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<td>9</td>
<td>UN0037, Waste oxidizing solid, toxic, n.o.s., 5.1, (6.1), Labpack.</td>
<td>DF</td>
<td>26</td>
<td>P</td>
<td>D001</td>
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<tr>
<td>10</td>
<td>UN2811, Toxic solids, organic, n.o.s., 6.1, III, Labpack.</td>
<td>DF</td>
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<td>P</td>
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</tr>
<tr>
<td>No.</td>
<td>Description</td>
<td>Quantity</td>
<td>Waste Code(s)</td>
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<tr>
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<td>---------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>MA1993, Combustible liquid, n.o.s., III. Labpack.</td>
<td>90</td>
<td>D008, D018, D019, D023, D024, D025</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>26) NA3077, Hazardous waste, solid, n.o.s. (Hexachlorobenzene, 2,4-dinitrotoluene), 9, III. Labpack.</td>
<td>335</td>
<td>D002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>UN1824, Waste Sodium hydroxide solution, 8, II. Labpack.</td>
<td>248</td>
<td>D002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Universal Waste - Broken Fluorescent Lamps 6,753 linear feet total.</td>
<td>1334</td>
<td>D002</td>
<td></td>
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<tr>
<td>30</td>
<td>UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III. (Universal Waste - Dry Nickel-Cadmium Batteries.)</td>
<td>95</td>
<td>D002</td>
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<tr>
<td>31</td>
<td>Universal Waste - Sodium Lamps 18 lamps total.</td>
<td>25</td>
<td>D002</td>
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<tr>
<td>32</td>
<td>Universal Waste - Mercury Vapor Lamps 20 lamps total.</td>
<td>11</td>
<td>D002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>UN3009, Batteries, wet, non-spillable, 8, III. (Universal Waste - Sealed Lead-Acid Batteries).</td>
<td>279</td>
<td>D002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>UN3009, Lithium batteries, 9, II. (Universal Waste - Lithium Batteries). 1,242 each.</td>
<td>72</td>
<td>D002</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

25. **Special Handling Indications and Additional Information**:
- ER1328; 10-0082; LP31-1015. See ER1328 for page detail. 27. ER154; 0117; 0118; 016; 11-1015. 28. See ER154; 10-0124; 11/4/09; 13-0130. 31.
- ER1328; 0126(4/28/10); 0126(4/15/10); 0128(4/7/10); 13-0130. 33.
- ER154; 0126(4/28/10); 0126(4/15/10); 014(4/7/10); 13-0130. 34.
- ER1328; 0126(4/28/10); 014(4/7/10); 07015-566-0-1. 35.
- ER1328; 0126(4/28/10); 0126(4/15/10); 014(4/7/10); 07015-566-0-1. 36.
- ER1328; 0126(4/28/10); 0126(4/15/10); 014(4/7/10); 07015-566-0-1. 37.
- ER1328; 0126(4/28/10); 0126(4/15/10); 014(4/7/10); 07015-566-0-1. 38.
- ER1328; 0126(4/28/10); 0126(4/15/10); 014(4/7/10); 07015-566-0-1. 39.
- ER1328; 0126(4/28/10); 0126(4/15/10); 014(4/7/10); 07015-566-0-1. 40.
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- ER1328; 0126(4/28/00); 014(4/7/00); 07015-566-0-1. 69.
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<td>NV03900090001</td>
<td>35. UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III. (Universal Waste - Dry Mercury Batteries). 10 each.</td>
<td>1 DF</td>
<td>5</td>
<td>P</td>
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<td>36. UN3028, Batteries, dry, containing potassium hydroxide solid, 8, III. (Universal Waste - Dry Nickel-Cadmium Batteries).</td>
<td>1 DF</td>
<td>109</td>
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<td>37. Universal Waste - Metal Halide Lamps 19 each.</td>
<td>2 DF</td>
<td>16</td>
<td>P</td>
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</table>

**Transporter Information**

- **Company Name**: [Company Name]
- **U.S. EPA No.**: [U.S. EPA No.]

**Acknowledgment of Receipt of Materials**

- **Transporter**: [Transporter Name]
- **Signature**: [Signature]
- **Date**: [Month/Day/Year]

**Designated Facility**

- **Facility Name**: [Facility Name]
- **Signature**: [Signature]
- **Date**: [Month/Day/Year]
Approximately 3,500 gallons of chiller water were evaporated, and the residual was solidified. Approximately 11.5 m$^3$ of solidified residual chiller water were disposed at the U10e Sanitary Landfill.

Approximately 10,635 gallons of used mineral and equipment oil, 1,250 gallons of used diesel fuel, and 50 pounds of Freon were sent for recycle/reuse.

One 55-gallon drum of oil, five cartons of universal waste lamps, and three 20-gallon drums of polychlorinated biphenyl ballasts were disposed at an offsite treatment and disposal facility.

All waste associated with this work has been disposed. Waste disposition documentation and photographs of fieldwork before, during, and after completion are enclosed with this letter.

The following non-waste-generating activities were also performed:

- All floor drains in non-radiologically contaminated areas of the building were grouted.
- Postmortem cell doors were opened in preparation for future radiological characterization.
- Deteriorated areas of the roof were repaired.
- Power to the facility was disconnected at the substations because the safety of the electrical system could not be confirmed due to water seepage into the building from the deteriorated roof. The building was rendered cold and dark.

Remaining closure work associated with CAU 114 will be documented in the Closure Report. Please direct comments and questions to Kevin J. Cabble, of my staff, at (702) 295-5000.

Original Signed by:
Rob Boehlecke
Robert F. Boehlecke
Federal Project Director
Environmental Restoration Project

ERP:8022.CD
Enclosures:
As stated
INTERIM ACTIVITIES AT CORRECTIVE ACTION UNIT (CAU) 114: AREA 25 EMAD FACILITY, NEVADA NATIONAL SECURITY SITE, NEVADA

CAU 114: Area 25 EMAD Facility is currently listed in Appendix III of the Federal Facility Agreement and Consent Order and consists of the following two Corrective Action Sites (CASs):

- CAS 25-41-03: EMAD Facility
- CAS 25-99-23: Manned Control Car and Engine Installation Vehicle

Closure activities for CAU 114 are specified in Revision 1 of the approved Streamlined Approach for Environmental Restoration Plan for CAU 114. Closure activities will include characterization of potential source materials, removal of readily removable nonhazardous waste, and identification and abatement of asbestos. The end state for Building 3900 will be demolition to slab.

This letter report documents interim activities that have been completed at CAU 114 to support ongoing access and generate information necessary to plan future closure activities. General housekeeping and cleanup of debris was conducted in the EMAD yard, cold bays, support areas of Building 3900, and postmortem cell tunnel area of the hot bay. All non-asbestos ceiling tiles and loose and broken non-friable asbestos floor tiles were removed from support galleries and office areas. Non-radiologically contaminated piping and equipment in the cold areas of the building and in the two 120-ton locomotives in the yard were tapped, characterized, drained, and verified free of contents.

The following waste was removed from the EMAD complex and disposed:

- Approximately 52 cubic meters (m³) of yard debris and 69 m³ of debris from the postmortem cell tunnel were packaged in either B-25 boxes or cargo containers and disposed at the Area 5 Radioactive Waste Management Site.
- Approximately 46 m³ of yard debris and 115 m³ of debris from the building cold bays and support areas were disposed at the U10c Sanitary Landfill.
- Approximately 5,500 gallons of sanitary liquid were drained and disposed at onsite lagoons.