DOE/NV--1462

Nevada Environmental Restoration Project



Closure Report for Corrective Action Unit 116: Area 25 Test Cell C Facility, Nevada National Security Site, Nevada

Controlled Copy No.:_____

Revision: 0

September 2011

Environmental Restoration Project

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

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CLOSURE REPORT FOR CORRECTIVE ACTION UNIT 116: AREA 25 TEST CELL C FACILITY, NEVADA NATIONAL SECURITY SITE, NEVADA

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

> Controlled Copy No.____ Revision: 0 September 2011

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CLOSURE REPORT FOR CORRECTIVE ACTION UNIT 116: AREA 25 TEST CELL C FACILITY, NEVADA NATIONAL SECURITY SITE, NEVADA

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CAU 116 Closure Report Section: Acronyms and Abbreviations Revision: 0 Date: September 2011

ACRONYMS AND ABBREVIATIONS

ACM	asbestos-containing material
CAS	Corrective Action Site
CAU	Corrective Action Unit
CR	Closure Report
CSM	conceptual site model
DOE	U.S. Department of Energy
DQA	data quality assessment
DQO	data quality objective
EPA	U.S. Environmental Protection Agency
FFACO	Federal Facility Agreement and Consent Order
ft	foot (feet)
gal	gallon(s)
HEPA	high-efficiency particulate air
HW	hazardous waste
ISOCS	In Situ Object Counting System
LLW	low-level waste
m ³	cubic meter(s)
MW	mixed waste
NCRP	National Council on Radiation Protection
NDEP	Nevada Division of Environmental Protection
NNSA/NSO	U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office
NNSA/NV	U.S. Department of Energy, National Nuclear Security Administration Nevada Operations Office
NNSS	Nevada National Security Site
NSTec	National Security Technologies, LLC
PCB	polychlorinated biphenyl
pCi/g	picocurie(s) per gram
PPE	personal protective equipment
QA	quality assurance

CAU 116 Closure Report Section: Acronyms and Abbreviations Revision: 0 Date: September 2011

ACRONYMS AND ABBREVIATIONS (continued)

QAPP	Industrial Sites Quality Assurance Project Plan
QC	quality control
RMA	Radioactive Material Area
RWMS	Radioactive Waste Management Site
SAFER	Streamlined Approach for Environmental Restoration
TSCA	Toxic Substances Control Act
UR	use restriction
UW	universal waste
WMA	waste management area

CAU 116 Closure Report Section: Executive Summary Revision: 0 Date: September 2011

EXECUTIVE SUMMARY

This Closure Report (CR) presents information supporting closure of Corrective Action Unit (CAU) 116, Area 25 Test Cell C Facility. This CR complies with the requirements of the *Federal Facility Agreement and Consent Order* (FFACO) that was agreed to by the State of Nevada; the U.S. Department of Energy (DOE), Environmental Management; the U.S. Department of Defense; and DOE, Legacy Management (FFACO, 1996 [as amended March 2010]). CAU 116 consists of the following two Corrective Action Sites (CASs), located in Area 25 of the Nevada National Security Site:

- · CAS 25-23-20, Nuclear Furnace Piping
- CAS 25-41-05, Test Cell C Facility

CAS 25-41-05 consisted of Building 3210 and the attached concrete shield wall. CAS 25-23-20 consisted of the nuclear furnace piping and tanks. Closure activities began in January 2007 and were completed in August 2011. Activities were conducted according to Revision 1 of the Streamlined Approach for Environmental Restoration Plan for CAU 116 (U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office [NNSA/NSO], 2008). This CR provides documentation supporting the completed corrective actions and provides data confirming that closure objectives for CAU 116 were met.

Site characterization data and process knowledge indicated that surface areas were radiologically contaminated above release limits and that regulated and/or hazardous wastes were present in the facility. The following closure activities were performed:

- Characterize, remove, and dispose of all hazardous and/or regulated materials from Building 3210 and the nuclear furnace piping.
- Fill rail trenches and subsidence on the reactor pad north of Building 3210 with grout.
- Demolish Building 3210, the concrete shield wall, and the nuclear furnace piping and tanks. Grout all remaining penetrations in the basement. Place as much demolition debris as space allows in the remaining basement structure. Dispose of remaining demolition debris in an appropriate onsite landfill.
- As a best management practice, demolish Building 3211 (moveable shed) and dispose of demolition debris in an appropriate onsite landfill.
- Place grout/concrete over the basement.
- Perform final radiological surveys and characterize remaining concrete slabs within the immediate vicinity of the CASs, including the reactor pad north of Building 3210.
- Install radiological postings and use restriction (UR) warning signs.

Closure activities generated waste streams including non-hazardous sanitary waste, hydrocarbon waste, low-level waste, asbestiform low-level waste, hazardous waste, *Toxic Substances Control Act* regulated waste, mixed waste, radioactive polychlorinated biphenyl bulk product waste, used oil, and universal waste. Waste minimization activities included segregation of waste streams, recycling, and size reduction. Some wastes exceeded land disposal restriction limits and required offsite treatment prior to disposal. Other wastes meeting land disposal restrictions were disposed in appropriate onsite or offsite landfills. Waste disposition documentation is included as Appendix B of this report.

Radiological surveys and In Situ Object Counting System analysis of the remaining concrete slabs within the immediate vicinity of the CASs were performed to determine proper radiological postings and delineate the UR. This included the reactor pad north of Building 3210. UR documentation is included as Appendix C of this report. The proposed post-closure requirements consist of annual inspections to determine the condition of postings. The post-closure plan is presented in detail in Section 5.2.

NNSA/NSO requests the following:

- A Notice of Completion from the Nevada Division of Environmental Protection to NNSA/NSO for closure of CAU 116
- The transfer of CAU 116 from Appendix III to Appendix IV, Closed Corrective Action Units, of the FFACO

CAU 116 Closure Report Section: Introduction Revision: 0 Date: September 2011

1.0 INTRODUCTION

This Closure Report (CR) documents closure activities for Corrective Action Unit (CAU) 116, Area 25 Test Cell C Facility, according to the *Federal Facility Agreement and Consent Order* (FFACO) that was agreed to by the State of Nevada; the U.S. Department of Energy (DOE), Environmental Management; the U.S. Department of Defense; and DOE, Legacy Management (FFACO, 1996 [as amended March 2010]). CAU 116 consists of the following two Corrective Action Sites (CASs), located in Area 25 of the Nevada National Security Site (NNSS) (Figure 1):

- · CAS 25-23-20, Nuclear Furnace Piping
- · CAS 25-41-05, Test Cell C Facility

CAS 25-41-05 consisted of Building 3210 and the attached concrete shield wall. CAS 25-23-20 consisted of the nuclear furnace piping and tanks.

1.1 PURPOSE

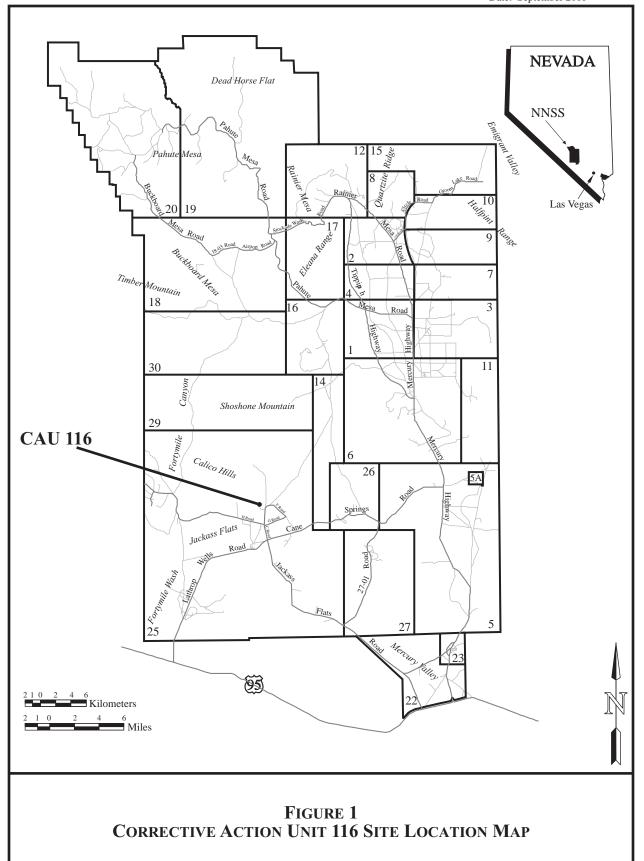
This CR provides documentation and justification for closure of CAU 116 without further corrective action. This justification is based on implementation of corrective actions in accordance with Revision 1 of the Streamlined Approach for Environmental Restoration (SAFER) Plan for CAU 116 (U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office [NNSA/NSO], 2008). The SAFER Plan provides information relating to site history as well as the scope and planning of the investigation. This CR provides a summary of completed closure activities, documentation of waste disposal, and data to confirm that the remediation goals were met.

1.2 SCOPE

The scope of closure for CAU 116 included the following activities:

- Characterize, remove, and dispose of all hazardous and/or regulated materials from Building 3210 and the nuclear furnace piping.
- Fill rail trenches and subsidence on the reactor pad north of Building 3210 with grout.
- Demolish Building 3210, the concrete shield wall, and the nuclear furnace piping and tanks. Grout all remaining penetrations in the basement. Place as much demolition debris as space allows in the remaining basement structure. Dispose of remaining demolition debris in an appropriate onsite landfill.
- As a best management practice, demolish Building 3211 (moveable shed) and dispose of demolition debris in an appropriate onsite landfill.
- Place grout/concrete over the basement.
- Perform final radiological surveys and characterize remaining concrete slabs within the immediate vicinity of the CASs, including the reactor pad north of Building 3210.
- Install radiological postings and use restriction (UR) warning signs.

CAU 116 Closure Report Section: Introduction Revision: 0 Date: September 2011



CAU 116 Closure Report Section: Introduction Revision: 0 Date: September 2011

1.3 CLOSURE REPORT CONTENTS

This CR includes the following sections:

- Section 1.0: Introduction
- Section 2.0: Closure Activities
- Section 3.0: Waste Disposition
- Section 4.0: Closure Verification Results
- Section 5.0: Conclusions and Recommendations
- Section 6.0: References
- Appendix A: Data Quality Objectives
- Appendix B: Waste Disposition Documentation
- Appendix C: Use Restriction Documentation
- Appendix D: Site Closure Photographs
- Library Distribution List

1.3.1 Applicable Programmatic Plans and Documents

Closure activities were performed in accordance with the following documents:

- Revision 1 of the SAFER Plan for CAU 116 (NNSA/NSO, 2008)
- FFACO (1996, as amended March 2010)
- Nevada Test Site Radiological Control Manual (National Security Technologies, LLC [NSTec], 2010)
- *Industrial Sites Quality Assurance Project Plan* (QAPP) (U.S. Department of Energy, National Nuclear Security Administration Nevada Operations Office [NNSA/NV], 2002)

1.3.2 Data Quality Objectives

Data quality objectives (DQOs) developed for site characterization of CAU 116 were presented in Revision 1 of the SAFER Plan for CAU 116 (NNSA/NSO, 2008) and are included as Appendix A of this report. The DQOs were developed to identify data needs, clearly define the intended use of the data, and design a data collection program that will satisfy these purposes.

To address the problem statement for CAU 116, "Additional information is required to verify existing information, confirm the existence of contamination and/or waste, and affirm the closure decision," the resolution of two decision statements was required:

- Decision I: "Is waste present and/or is contamination present above action levels?"
- Decision II: "After removal of hazardous/regulated waste, demolition of the buildings, and removal of transferable radioactive contamination, does the risk to personnel and the environment justify the removal of the remaining radiological contamination?"

A conceptual site model (CSM) was developed to describe the most probable scenario for current conditions at the site and defines the assumptions that are the basis for identifying an appropriate sampling strategy and data collection methods. The CSM for CAU 116 is a contaminated

facility that contains waste and contaminated materials. To confirm the CSM and define the nature and extent of contamination, data were collected and analyzed from locations most likely to contain contamination (judgmental sampling approach). The analytical suite selected was adequate to detect contaminants present in the samples at or below action levels.

The following decision rules were developed to satisfy the decision statements:

- Decision I
 - If waste or contamination above action levels is present, then the practicality of its removal will be determined.
 - If no waste or contamination above action levels is present, then the material in question will be considered sanitary waste.
- Decision II
 - All hazardous/regulated waste and transferable radiological contamination will be removed and disposed.
 - Any radiological contamination that is not practical to remove based on the risk assessment (e.g., activated concrete) will be closed in place or posted per the Radiological Control Manual (NSTec, 2010).

1.3.3 Data Quality Assessment

The data quality assessment (DQA) presented in Section 4.1 includes an evaluation of the data quality indicators to determine the degree of acceptability and usability of the reported data in the decision-making process. The DQO process ensures that the right type, quality, and quantity of data will be available to support the resolution of those decisions at an appropriate level of confidence. Using both the DQO and DQA processes helps to ensure that DQO decisions are sound and defensible.

Based on the results of the DQA presented in Section 4.1, the information generated during the investigation supports the CSM assumptions, and the data collected meet the DQOs and support their intended use in the decision-making process.

2.0 CLOSURE ACTIVITIES

This section summarizes the closure activities performed for CAU 116, any deviations from the original scope of work, the schedule of completed field work, and the final site plan.

2.1 DESCRIPTION OF CORRECTIVE ACTION ACTIVITIES

The following sections provide a detailed description of the closure activities completed for CAU 116. Closure activities began in January 2007 and were completed in August 2011. Photographs in Appendix D of this report document the state of the site before corrective actions were implemented, field work in progress, and the site conditions after completion of work.

2.1.1 Preplanning and Site Preparation

Closure activities were completed in accordance with Revision 1 of the SAFER Plan for CAU 116 (NNSA/NSO, 2008). Prior to closure activities, the following documents were prepared:

- National Environmental Policy Act Checklist
- Site-Specific Health and Safety Plan
- Field Management Plan
- NNSA/NSO Real Estate/Operations Permit
- Work control packages
- · Sampling and Analysis Plans
- Radiological Survey Plans

2.1.2 Hantavirus Cleanup

Prior to beginning closure activities and throughout closure activities as needed, potential hantavirus-bearing rodent droppings were treated, removed, and disposed. Hantavirus waste from radiologically posted areas was managed and disposed as low-level waste (LLW). Three 2.92-cubic meter (m³) B-25 boxes of hantavirus waste were transported to the Area 5 Radioactive Waste Management Site (RWMS) for disposal as LLW. Waste generated outside radiologically posted areas was radiologically surveyed. Survey results indicated that the waste was free of radiological impact, and the waste was disposed as sanitary waste.

2.1.3 Radiological Surveys

Radiological surveys were performed prior to and throughout closure activities to determine the presence of contamination, ensure that no contamination was migrating from posted areas, verify the effectiveness of and guide decontamination activities, monitor worker exposure, and determine final waste disposition. All portable survey instruments were calibrated to a known radiological source on a daily basis. Radiological survey reports were completed following procedures outlined in the *Nevada Test Site Radiological Control Manual* (NSTec, 2010). Calibration records, copies of the radiological survey reports, and supporting documentation are on file in the Radiological Control offices in Mercury, Nevada, and are available upon request.

2.1.4 Housekeeping Activities

Housekeeping cleanup activities, including trash removal and sanitary debris pickup, were performed prior to and throughout closure activities. Eight end dump truck loads and four 15-m³ roll-off containers of housekeeping debris were transported to the Area 9 U10c Sanitary Landfill for disposal. In addition, three 10-m³ burrito bags and two 36-m³ transportainers of housekeeping debris and one stainless steel stack were transported to the Area 5 RWMS for disposal as LLW, and one 10-m³ burrito bag of housekeeping debris was transported to the Area 5 RWMS for disposal as radioactive polychlorinated biphenyl (PCB) bulk product waste.

2.1.5 Characterization, Removal, and Disposal of Hazardous and/or Regulated Waste

All hazardous and/or regulated materials were removed from Building 3210 and the nuclear furnace piping. Materials were characterized as needed for disposal or recycling.

2.1.5.1 Fluids and Piping

All piping and equipment was inspected for the presence of residual gases, fluids, and pressure before cutting or removal activities. Fluids were drained or pumped from all piping, equipment, sumps, and wells associated with Building 3210 and the nuclear furnace piping. Fluids were containerized, characterized, and disposed or recycled as appropriate.

Gases from 36 accumulators were vented to the atmosphere. Approximately 25 gallons (gal) of fire system water were drained and discharged to the ground. Approximately 240 gal of water pumped from the basement sumps, wells, and deionizers were packaged in five 55-gal drums and transported to the Area 23 Sewage Lagoon for disposal. Approximately 30 gal of used oil and rain water were packaged in two 55-gal drums and solidified with clean soil. The drums were packaged in one of the roll-off containers of housekeeping debris that were transported to the Area 9 U10c Sanitary Landfill for disposal.

Approximately 1 gal of oil was drained, packaged in a 5-gal plastic drum, and transported to the Area 6 Hydrocarbon Landfill for disposal. Approximately 45 gal of borated water were drained, packaged in a 55-gal drum, and transported to the Area 6 Hydrocarbon Landfill for disposal.

Approximately 1 quart of hydraulic oil that leaked from a pipe during demolition of Building 3210 was solidified with soil, packaged in a B-25 box, and transported to the Area 5 RWMS for disposal as hydrocarbon-burdened LLW.

Approximately 195 gal of borated water containing arsenic were drained, packaged in four 55-gal drums, and transported off site for treatment and disposal as hazardous waste (HW). Approximately 395 gal of hydraulic oil containing arsenic were drained, packaged in eight 55-gal drums, and transported off site for treatment and disposal as HW. Approximately 330 gal of motor oil containing arsenic were drained, packaged in six 55-gal drums, and transported off site for treatment and disposal as HW. Approximately 330 gal of motor oil containing arsenic were drained, packaged in six 55-gal drums, and transported off site for treatment and disposal as HW. Approximately 330 gal of motor oil containing arsenic were drained, packaged in six 55-gal drums, and transported off site for treatment and disposal as HW. Personal protective equipment (PPE) and spill pads contaminated with arsenic were packaged in five 55-gal drums and transported off site for treatment and disposal as HW.

Approximately 40 gal of used oil from equipment used during demolition were transferred to NSTec Fleet Services for recycling.

2.1.5.2 Asbestos-Containing Material

Roofing material on Building 3210 that was determined to be asbestos-containing material (ACM) was removed and double bagged. Piping insulated with friable asbestos was removed from throughout Building 3210 and the nuclear furnace and double wrapped in plastic. Radiological surveys established that the roofing material and pipe insulation was radiologically impacted. The waste was packaged in five 2.92-m³ B-25 boxes and one 55-gal drum and transported to the Area 5 RWMS for disposal as asbestiform LLW.

In addition, radiologically impacted pipe insulation covered with cadmium foil was removed and double bagged. Three 4.65-m³ macroencapsulation boxes of cadmium foil and ACM were transported to the Area 5 RWMS for treatment and disposal as mixed waste (MW).

2.1.5.3 Lead

Solid lead in the form of sheets, doors, bricks, plugs, and wool was used as shielding material throughout Building 3210. Lead collars, lead-containing circuit boards, lead sand fuses, and lead radium dials were also present in the facility. Lead-containing materials were removed throughout the duration of closure activities and surveyed for radiological contamination.

Lead-containing circuit boards, plugs, bricks, wool, radium dials, and sand fuses determined to be radiologically impacted were removed from Building 3210 for treatment and disposal as MW. In addition, radiologically impacted paint chips located on the roof of Building 3210 contained lead and PCBs. The roof was vacuumed with a high-efficiency particulate air (HEPA) vacuum to remove loose paint chips, and the HEPA vacuums and paint chips were treated and disposed as MW. Two 55-gal drums and two 4.65-m³ macroencapsulation boxes containing lead items were transported to the Area 5 RWMS for treatment and disposal as MW. One 4.65-m³ macroencapsulation box of miscellaneous radiologically impacted lead items and ACM was transported to the Area 5 RWMS for disposal as MW.

Lead-containing items determined to be free of radiological contamination were packaged and transported to a permitted offsite facility for treatment and disposal as HW. One 55-gal drum of lead collars and four 15-m³ roll-off containers of circuit boards were disposed as HW.

Solid lead items will be recycled. A total of approximately 17,000 pounds of lead bricks, sheets, and doors are currently being stored at Building 153 in Area 23 for future recycling.

2.1.5.4 Mercury

Mercury items, including thermometers, thermostats, switches, and other miscellaneous items were removed throughout the duration of closure activities and containerized in drums. The items were surveyed and determined to be free of radiological contamination. Two 55-gal drums and one 5-gal plastic drum of mercury items were transported to a permitted offsite facility for treatment and disposal as HW.

2.1.5.5 Polychlorinated Biphenyls

Fluorescent light ballasts and capacitors containing PCBs were removed throughout the duration of closure activities. One 55-gal drum of leaking PCB ballasts, one 55-gal drum of non-leaking PCB ballasts, and two 55-gal drums of PCB capacitors were transported to a permitted offsite facility for treatment and disposal.

2.1.5.6 Universal Waste

Fluorescent light bulbs and metal halide lamps were removed from Building 3210 and managed as universal waste (UW). Four fiber containers containing 74 fluorescent light bulbs and 157 metal halide lamps were transported to an offsite facility for recycling.

2.1.6 Grouting Trenches

The rail trenches and areas of subsidence on the reactor pad north of Building 3210 were filled with grout on January 22, 2008.

2.1.7 Demolition of Building 3211 (Moveable Shed)

Demolition of Building 3211 and disposal of demolition debris was conducted from June 11 to July 16, 2009. Building 3211 was pulled to the ground and size reduced using shears. The debris was packaged in ten burrito bags and disposed at the Area 5 RWMS as radioactive PCB bulk product waste. A total of 96 m^3 of demolition debris was generated from Building 3211.

2.1.8 Demolition of Nuclear Furnace Piping and Tanks

Demolition and disposal of the nuclear furnace piping and tanks was conducted from June 11 to September 29, 2009. The nuclear furnace piping and eight associated tanks were dismantled and either packaged in burrito bags or transportainers or transported in bulk for disposal at the Area 5 RWMS as radioactive PCB bulk product waste. A B-25 box containing valves and a gear box was also disposed at the Area 5 RWMS. A total of 171 m³ of waste was generated from the nuclear furnace piping and associated tanks.

2.1.9 Demolition of Building 3210 and the Concrete Shield Wall

Prior to demolition of Building 3210, all remaining pipe ends, floor drains, and other openings in the basement were sealed with grout. Building 3210 and the concrete shield wall were demolished using conventional methods. During demolition activities, radiological surveys were performed on the demolition debris.

Demolition debris was considered radioactive PCB bulk product waste as a result of legacy dried paint containing PCBs at concentrations greater than 50 parts per million and residual radiological contamination in the building. Approximately 1,350 m³ of radioactive and PCB-impacted debris were placed in the basement of Building 3210. Remaining debris was packaged and disposed. Concrete demolition debris, decontamination waste, soil used for berms around the work zone, and PPE were packaged in lined intermodal containers. Metal debris was packaged in burrito bags. A total of 1,376 m³ of waste was transported to the Area 5 RWMS from December 13, 2010, through March 29, 2011, for disposal as radioactive PCB bulk product waste.

2.1.10 Grouting Basement

After the basement was filled with radioactive and PCB-impacted building debris, a minimum of 1 foot (ft) of grout/concrete was placed over the basement.

2.1.11 Final Radiological Surveys and In Situ Object Counting System Characterization of Concrete Surfaces

After demolition activities were complete and all waste was removed from the area, radiological surveys were performed to document final site conditions and establish appropriate radiological controls. In addition, In Situ Object Counting System (ISOCS) measurements of the concrete reactor pad north of Building 3210 were collected. Figure 2 shows the ISOCS measurement locations.

The ISOCS was used to measure the concentration of europium-152, an activation product, to determine whether or not the pad is activated. Although not an activation product, the concentration of cesium-137 was also measured for instrument check purposes. The action levels and ISOCS measurement results for europium-152 and cesium-137 are listed in Table 1. As defined in Revision 1 of the SAFER Plan for CAU 116 (NNSA/NSO, 2008), the action levels are based on the National Council on Radiation Protection (NCRP) Report No. 129 (NCRP, 1999) scaled to a dose constraint of 25 millirems per year (Murphy, 2004).

ISOCS results for europium-152 above the action level indicate a portion of the pad is radiologically activated. Cesium-137 was also detected above the action level at three locations. Historical photographs show that only the portion of the pad immediately north of Building 3210 was present during the majority of the testing activities. The remainder of the pad was installed at a later date. ISOCS results show that only the original portion of the pad is activated above action levels.

2.1.12 Installation of Postings

Due to radiological activation of the reactor pad and remaining radiological and PCB-impacted debris in the basement of Building 3210, a UR was established. The UR includes the original portion of the concrete reactor pad north of Building 3210 and the basement of Building 3210. UR warning signs were installed to delineate the UR according to the FFACO Use Restriction Posting Guidance (FFACO, 2003). Figure 2 shows the boundary of the UR. In addition, the basement of Building 3210 was posted as an Underground Radioactive Material Area. The fence line of the Test Cell C Facility remains posted as a Radioactive Material Area (RMA).

2.1.13 Remaining Investigation and Closure Work within the Test Cell C Facility

Contamination in the concrete and soil located outside the boundary of the UR that resulted from activities at Test Cell C will be investigated and closed under CAS 25-99-22, Ancillary Facilities, which is in CAU 572, Test Cell C Ancillary Building and Structures. Investigation of this CAS will include soil beneath existing concrete pads, concrete surfaces outside the boundary of the UR, and surface and subsurface soil within the fence line of the Test Cell C Facility.

2.2 DEVIATIONS FROM THE PLAN AS APPROVED

Deviations from Revision 1 of the SAFER Plan for CAU 116 (NNSA/NSO, 2008) were not required.

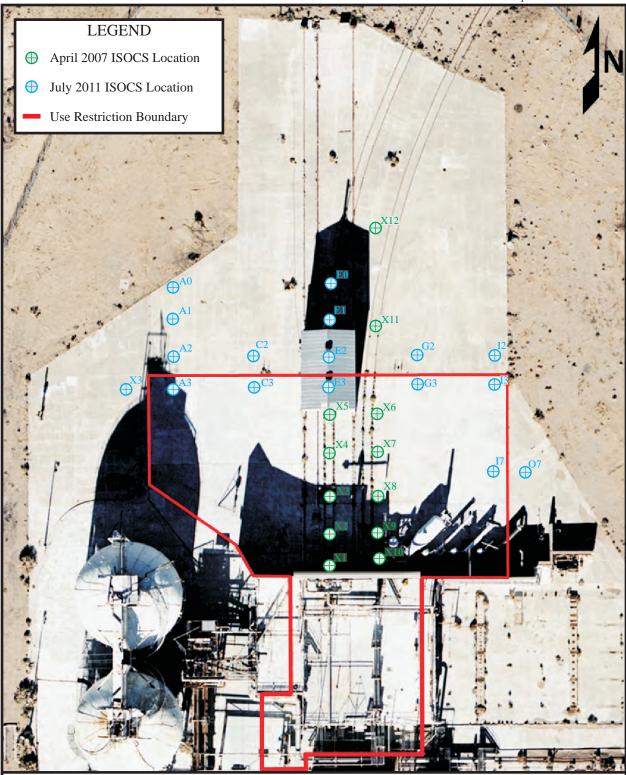


FIGURE 2 CORRECTIVE ACTION UNIT 116 ISOCS LOCATIONS AND USE RESTRICTION BOUNDARY

DATE OF MEASUREMENT	MEASUREMENT LOCATION	EUROPIUM-152 (PCI/G)	CESIUM-137 (PCI/G)
		Action Level = 5.67 pCi/g	Action Level = 12.2 pCi/g
	X1	3.4	3.8
	X2	7.3	11.4
	X3	50.3	34.8
	X4	24.2	12.1
	X5	13.4	24.3
A mril 2007	X6	13.4	5.2
April 2007	X7	21.8	3.8
	X8	45.6	7.6
	X9	104.8	8.3
	X10	110.8	46.1
	X11	1.1	1.9
	X12	0.8	0.4
	X3	0.8	Not Detected
	A0	0.7	0.8
	A1	0.7	1.1
	A2	1.0	1.0
	A3	3.6	0.8
	C2	1.3	1.2
	C3	4.6	0.6
	E0	0.8	1.4
July 2011	E1	1.0	1.4
	E2	1.5	1.2
	E3	12.8	0.7
	G2	1.1	0.8
	G3	9.4	2.0
	I2	1.2	Not Detected
	I3	7.4	0.4
	Ι7	12.5	0.8
	07	1.2	0.2

TABLE 1. IN SITU OBJECT COUNTING SYSTEM RESULTS

pCi/g: picocurie(s) per gram

2.3 CORRECTIVE ACTION SCHEDULE AS COMPLETED

Closure activities began in January 2007 and were completed in August 2011. Details of the schedule are provided in Table 2.

ACTIVITY	START	End
Removal of Hazardous and/or Regulated Waste	January 2007	January 2011
Pipe Draining	April 2007	December 2007
Grouting Trenches	January 2008	January 2008
Asbestos Abatement	September 2008	December 2008
Demolition of Building 3211 (Moveable Shed)	June 2009	July 2009
Demolition of Nuclear Furnace Piping and Tanks	June 2009	September 2009
Demolition of Building 3210 and the Concrete Shield Wall	November 2010	March 2011
Grouting Basement	March 2011	April 2011
Radiological Surveys and ISOCS Characterization of Concrete Surfaces	June 2011	July 2011
Installation of Postings	April 2011	September 2011

 TABLE 2. CORRECTIVE ACTION UNIT 116 CLOSURE ACTIVITIES SCHEDULE

2.4 SITE PLAN/SURVEY PLAT

Remaining radiological contamination in the grouted basement of Building 3210 and activated concrete on the reactor pad north of Building 3210 was closed in place with administrative controls (i.e., a UR was implemented). Figure 2 shows the boundary of the UR. The Use Restriction Information form is included in Appendix C of this report.

3.0 WASTE DISPOSITION

This section describes the waste streams generated during closure activities and their final disposition. Waste streams generated included non-hazardous sanitary waste, hydrocarbon waste, LLW, asbestiform LLW, HW, *Toxic Substances Control Act* (TSCA) waste, MW, radioactive PCB bulk product waste, used oil, and UW.

3.1 WASTE MINIMIZATION

Industry standard waste minimization practices were applied throughout the course of closure activities. These practices included:

- Using highly efficient industry standard decontamination tools to remove radiologically impacted material.
- Using field instrumentation (i.e., survey instruments, ISOCS analysis) to identify the areas requiring decontamination.
- Using laboratory analysis and ISOCS to correctly characterize and classify waste streams.
- Recycling items that have potential for future use, including lead bricks, sheets, and doors; used oil; and fluorescent light bulbs and tubes.

3.2 WASTE MANAGEMENT

All waste was characterized and managed according to federal and state regulations, DOE orders, and NSTec procedures. Waste disposition is summarized in Table 3 and discussed in detail in the following sections. Waste disposition documentation is included in Appendix B.

Waste management areas (WMAs) were established throughout the project, as needed. All WMAs were identified with appropriate signs and boundaries to restrict unauthorized access. The WMAs were inspected on a weekly or monthly basis, as required, to ensure that all containers were intact, not leaking, and not exceeding storage duration times as specified by regulations and procedures. Applicable WMAs were posted as RMAs whenever radiological waste was stored in the area. Upon removal of radiologically impacted waste, the RMA was surveyed and de-posted.

Waste containers were purchased either new or reconditioned. All containers were inspected prior to use to verify that they were in good condition (e.g., no leaks, rust, or dents), lined or made of material that would not react with the waste, and met U.S. Department of Transportation requirements. The containers remained closed while stored unless waste was being added or removed. Containers were also handled in such a manner that the integrity of the container was not compromised. Drums containing liquid regulated waste were stored on spill containment pallets. Appropriate labels were affixed and relevant information was marked on the containers with an indelible marker. All information was legible and clearly visible.

TABLE 3. CORRECTIVE ACTION UNIT 116 WASTE DISPOSITION SUMMARY

WASTE STREAM	DESCRIPTION OF WASTE	VOLUME	WASTE CONTAINER	DATE OF DISPOSAL	DISPOSITION DOCUMENTATION	DISPOSITION
		15 m ³	One end dump truck load (double bagged)	11/26/2007	Landfill Load Verification Forms	Disposed at the Area 23 Sanitary Landfill
Sanitary Waste	Housekeeping debris	120 m ³	Eight end dump truck loads (unpackaged)	03/01/2007 (one load), 03/05/2007 (two loads), 03/26/2007 (three loads), 01/24/2008 (two loads)	Landfill Load Verification Forms	Disposed at the Area 9 U10c Sanitary Landfill
		60 m ³	Four roll-offs	12/28/2010, 04/12/2011, 06/13/2011, 07/21/2011		
	Water pumped from basement sumps, wells, and deionizers	240 gal	Five drums	02/23/2011	None	Disposed at the Area 23 Sewage Lagoon
Hydrocarbon	Oil	1 gal	One drum	05/22/2009	Landfill Load Verification Forms	Disposed at the Area 6 Hydrocarbon Landfill
Waste	Borated water	45 gal	One drum	05/22/2008		
	Hantavirus waste	9 m ³	Three B-25 boxes	12/10/2008	Certificates of	
		30 m ³	Three burrito bags	10/04/2010 - 10/12/2010		
	Housekeeping debris	0.5 m ³	Stainless steel stack (unpackaged)	10/18/2010		
LLW		70 m ³	Two transportainers	02/02/2011		Disposed at the
22.11	Hydraulic oil and soil	3 m ³	One B-25 box		Disposal	Area 5 RWMS
	Decontamination waste, PPE, and heavy equipment filters	12 m ³	Four B-25 boxes	06/08/2011		
	Concrete cores removed during installation of UR signs around the reactor pad	110 gal	Two drums	09/14/2011		

TABLE 3. CORRECTIVE ACTION UNIT 116 WASTE DISPOSITION SUMMARY (CONTINUED)

WASTE STREAM	DESCRIPTION OF WASTE	VOLUME	WASTE CONTAINER	DATE OF DISPOSAL	DISPOSITION DOCUMENTATION	DISPOSITION	
Asbestiform LLW	Radiologically impacted roofing material and pipe insulation	15 m ³	Five B-25 boxes	09/23/2009 (two boxes), 02/07/2011 (two boxes), 06/20/2011 (one box)	Certificates of Disposal	Disposed at the Area 5 RWMS	
		55 gal	One drum	09/23/2009			
	Borated water containing arsenic	195 gal	Four drums				
	Hydraulic oil containing arsenic	395 gal	Eight drums	05/29/2008	Uniform HW Manifest #000956096		
	Motor oil containing arsenic	330 gal	Six drums	03/29/2008	(Lines 31 and 41)		
	PPE and spill pads containing arsenic	275 gal	Five drums			Treated and disposed by U.S. Ecology in Beatty,	
	Lead collars	55 gal	One drum	01/27/2009	Uniform HW Manifest #000956143 (Line 21)		
HW	Lead-containing circuit boards	30 m ³	Two roll-offs	11/22/2010	Uniform HW Manifest #000956228 (Line 1)		
		30 m ³	Two roll-offs	12/15/2010	Uniform HW Manifest #000956229 (Line 1)	NV	
	Mercury items	55 gal	One drum	05/29/2008	Uniform HW Manifest #000956096 (Line 4)		
		55 gal	One drum	01/27/2009	Uniform HW Manifest #000956143 (Line 20)		
		5 gal	One plastic drum	02/16/2011	Uniform HW Manifest #000956230 (Line 19)		
	Non-leaking PCB ballasts	55 gal	One drum	08/27/2007	Uniform HW Manifest #000956043 (Line 1)	Treated and	
TSCA Waste	PCB capacitors	110 gal	Two drums	07/22/2008	Uniform HW Manifest #000956098 (Line 3)	disposed by U.S. Ecology in Beatty,	
	Leaking PCB ballasts	55 gal	One drum	02/16/2011	Uniform HW Manifest #000956230 (Line 6)	NV	

TABLE 3. CORRECTIVE ACTION UNIT 116 WASTE DISPOSITION SUMMARY (CONTINUED)

WASTE STREAM	DESCRIPTION OF WASTE	VOLUME	WASTE CONTAINER	DATE OF DISPOSAL	DISPOSITION DOCUMENTATION	DISPOSITION
	Radiologically impacted lead wool, radium dials, and ACM pipe insulation covered with cadmium foil	14 m ³	Three macroencapsulation boxes	03/26/2009		Treated and disposed at the Area 5 RWMS
MW	Radiologically impacted lead-containing circuit boards, lead plugs, lead bricks, lead sand fuses, HEPA vacuums, and paint chips from the roof of Building 3210	5 m ³	One macroencapsulation box	02/07/2011	Certificates of Disposal	
	Radiologically impacted lead-containing circuit boards	110 gal	Two drums	06/01/2011		Aita J Kwinis
	Radiologically impacted lead items and ACM	5 m ³	One macroencapsulation box	08/31/2011		
	Building 3211 demolition debris	96 m ³	Ten burrito bags	07/07/2009 - 07/16/2009	Certificates of	
	Nuclear furnace piping and tanks	20 m ³	Two burrito bags	08/13/2009 - 09/29/2009		
		70 m ³	Two transportainers			
Radioactive PCB Bulk		78 m ³	Seven bulk shipments (unpackaged)			Disposed at the
Product	Valves and gear box	3 m ³	One B-25 box		Disposal	Area 5 RWMS
Waste	Housekeeping debris	10 m ³	One burrito bag	10/04/2010		
	Building 3210 and shield wall concrete demolition debris, decontamination waste, and berm soil	846 m ³	141 intermodal liners	12/13/2010 - 03/29/2011		
	Building 3210 metal debris	530 m ³	53 burrito bags			
Used Oil	Used oil from equipment used during demolition	40 gal	One drum	04/07/2011	None	Transferred to NSTec Fleet Services for recycling

TABLE 3. CORRECTIVE ACTION UNIT 116 WASTE DISPOSITION SUMMARY (CONTINUED)

WASTE STREAM	D ESCRIPTION OF WASTE	VOLUME	WASTE CONTAINER	DATE OF DISPOSAL	DISPOSITION DOCUMENTATION	DISPOSITION
UW	74 fluorescent light bulbs and 157 metal halide lamps	N/A	Four fiber containers	05/29/2008	Uniform HW Manifest #000956096 (Lines 67 and 68)	Recycled by U.S. Ecology in Beatty, NV
Recycle	Lead bricks, sheets, and doors	17,000 pounds	Unpackaged	N/A	None	Transported to Building 153 in Area 23 for storage prior to recycling

ACM: asbestos-containing material gal: gallon(s) HEPA: high-efficiency particulate air HW: hazardous waste LLW: low-level waste m³: cubic meter(s) MW: mixed waste NSTec: National Security Technologies, LLC PCB: polychlorinated biphenyl PPE: personal protective equipment RWMS: Radioactive Waste Management Site TSCA: *Toxic Substances Control Act* UR: use restriction UW: universal waste

3.3 WASTE STREAMS AND DISPOSAL

Waste streams generated during closure activities at CAU 116 included non-hazardous sanitary waste, hydrocarbon waste, LLW, asbestiform LLW, HW, TSCA waste, MW, radioactive PCB bulk product waste, used oil, and UW. Waste disposition is discussed in detail in the following sections. Waste disposition documentation is included in Appendix B.

3.3.1 Sanitary Waste

Approximately 180 m³ of sanitary debris were generated throughout closure activities. Eight end dump truck loads and four roll-off containers of debris were transported to the Area 9 U10c Sanitary Landfill for disposal. In addition, one load of sanitary asbestos waste was transported to the Area 23 Sanitary Landfill for disposal, and 240 gal of water pumped from basement sumps, wells, and deionizers were packaged in five 55-gal drums and transported to the Area 23 Sewage Lagoon for disposal.

3.3.2 Hydrocarbon Waste

Approximately 1 gal of oil in a 5-gal plastic drum and 45 gal of borated water in a 55-gal drum were transported to the Area 6 Hydrocarbon Landfill for disposal.

3.3.3 Low-Level Waste

Three B-25 boxes of hantavirus waste; 100 m³ of housekeeping debris, including three burrito bags, two transportainers, and one stainless steel stack; and two 55-gal drums of concrete cores that were removed from the reactor pad during installation of UR signs were transported to the Area 5 RWMS for disposal as LLW. Approximately 1 quart of hydraulic oil that leaked from a pipe during demolition of Building 3210 was solidified with soil, packaged in a B-25 box, and transported to the Area 5 RWMS for disposal as hydrocarbon-burdened LLW. Four B-25 boxes of heavy equipment decontamination materials, PPE, and filters from maintenance of heavy equipment were transported to the Area 5 RWMS for disposal as hydrocarbon-burdened LLW.

3.3.4 Asbestiform Low-Level Waste

Five B-25 boxes and one 55-gal drum of radiologically impacted roofing material and pipe insulation were transported to the Area 5 RWMS for disposal as asbestiform LLW.

3.3.5 Hazardous Waste

Approximately 195 gal of borated water containing arsenic packaged in four 55-gal drums, 395 gal of hydraulic oil containing arsenic packaged in eight 55-gal drums, 330 gal of motor oil containing arsenic packaged in six 55-gal drums, and PPE and spill pads contaminated with arsenic packaged in five 55-gal drums were transported to U.S. Ecology in Beatty, Nevada, on May 29, 2008, for treatment and disposal as HW. These 23 drums are listed on lines 31 and 41 of the Uniform HW Manifest for this shipment in Appendix B.

One 55-gal drum of lead collars was transported to U.S. Ecology in Beatty, Nevada, on January 27, 2009, for treatment and disposal as HW. This drum is listed on line 21 of the Uniform HW Manifest for this shipment in Appendix B. Two roll-off containers of circuit boards were transported to U.S. Ecology in Beatty, Nevada, on November 22, 2010, for

treatment and disposal as HW. These roll-offs are listed on line 1 of the Uniform HW Manifest for this shipment in Appendix B. Two roll-off containers of circuit boards were transported to U.S. Ecology in Beatty, Nevada, on December 15, 2010, for treatment and disposal as HW. These roll-offs are listed on line 1 of the Uniform HW Manifest for this shipment in Appendix B.

One 55-gal drum of mercury items was transported to U.S. Ecology in Beatty, Nevada, on May 29, 2008, for treatment and disposal as HW. This drum is listed on line 4 of the Uniform HW Manifest for this shipment in Appendix B. One 55-gal drum of mercury items was transported to U.S. Ecology in Beatty, Nevada, on January 27, 2009, for treatment and disposal as HW. This drum is listed on line 20 of the Uniform HW Manifest for this shipment in Appendix B. One 5-gal plastic drum of mercury items was transported to U.S. Ecology in Beatty, Nevada, on January 27, 2009, for treatment and disposal as HW. This drum is listed on line 20 of the Uniform HW Manifest for this shipment in Appendix B. One 5-gal plastic drum of mercury items was transported to U.S. Ecology in Beatty, Nevada, on February 16, 2011, for treatment and disposal as HW. This drum is listed on line 19 of the Uniform HW Manifest for this shipment in Appendix B.

3.3.6 Toxic Substance Control Act Waste

One 55-gal drum of PCB ballasts was transported to U.S. Ecology in Beatty, Nevada, on August 27, 2007, for treatment and disposal as TSCA waste. This drum is listed on line 1 of the Uniform HW Manifest for this shipment in Appendix B. Two 55-gal drums of PCB capacitors were transported to U.S. Ecology in Beatty, Nevada, on July 22, 2008, for treatment and disposal as TSCA waste. These drums are listed on line 3 of the Uniform HW Manifest for this shipment in Appendix B. One 55-gal drum of leaking PCB ballasts was transported to U.S. Ecology in Beatty, Nevada, on February 16, 2011, for treatment and disposal as TSCA waste. This drum is listed on line 6 of the Uniform HW Manifest for this shipment in Appendix B.

3.3.7 Mixed Waste

Three macroencapsulation boxes of radiologically impacted lead wool, radium dials, and ACM pipe insulation covered with cadmium foil; one macroencapsulation box of radiologically impacted lead-containing circuit boards, lead plugs, lead bricks, lead sand fuses, HEPA vacuums, and paint chips from the roof of Building 3210; two 55-gal drums of radiologically impacted lead-containing circuit boards; and one macroencapsulation box of miscellaneous radiologically impacted lead items and ACM were transported to the Area 5 RWMS for treatment and disposal as MW.

3.3.8 Radioactive Polychlorinated Biphenyl Bulk Product Waste

Approximately 1,653 m³ of radioactive PCB bulk product waste were generated during demolition of Building 3211, the nuclear furnace piping and tanks, and Building 3210 and the concrete shield wall. Building 3211 demolition debris was packaged in ten burrito bags. The nuclear furnace piping and tanks were packaged in two burrito bags and two transportainers, and the remaining piping and tanks that were too large to be packaged were transported in seven bulk shipments. Valves and a gear box were packaged in a B-25 box. Concrete debris from demolition of Building 3210 and the shield wall was packaged in lined intermodal containers. Metal debris was packaged in burrito bags. Decontamination waste, soil used for berms around the work zone, and PPE were packaged in lined intermodal containers. In total, 141 intermodal liners and 53 burrito bags were disposed during demolition of Building 3210 and the concrete shield wall. In addition, housekeeping debris was packaged in one burrito bag. All radioactive PCB bulk product waste was disposed at the Area 5 RWMS.

3.3.9 Used Oil

Approximately 40 gal of used oil from equipment used during demolition were transferred to NSTec Fleet Services for recycling.

3.3.10 Universal Waste

Four fiber containers containing 74 fluorescent light bulbs and 157 metal halide lamps were transported to U.S. Ecology in Beatty, Nevada, on May 29, 2008, for recycling. These containers are listed on lines 67 and 68 of the Uniform HW Manifest for this shipment in Appendix B.

3.3.11 Recycle

Solid lead items will be recycled. A total of approximately 17,000 pounds of lead bricks, sheets, and doors are being stored for future recycling at Building 153 in Area 23.

4.0 CLOSURE VERIFICATION RESULTS

To document final site conditions and establish appropriate radiological controls, radiological surveys were performed. Photographs documenting site conditions before and after closure activities are included as Appendix D.

4.1 DATA QUALITY ASSESSMENT

Accurate and defensible analytical data were collected to verify that waste was properly characterized, managed, and disposed of during closure activities. The following sections describe the quality assurance (QA) and quality control (QC) procedures, data validation process, and a reconciliation of the CSM with actual findings during closure activities. More detail on the QA/QC procedures for CAU 116 can be found in Revision 1 of the SAFER Plan for CAU 116 (NNSA/NSO, 2008) and the QAPP (NNSA/NV, 2002).

4.1.1 Quality Assurance and Quality Control Procedures

Waste characterization samples were collected with disposable sampling equipment, placed in appropriately labeled containers secured with custody seals, labeled with unique sample numbers, placed on ice, and transported under strict chain of custody. Standard QA/QC samples were collected (i.e., one blind duplicate per batch). Samples were analyzed by certified contract laboratories. Analytical results were validated at the laboratory using stringent QA/QC procedures, including matrix spike/matrix spike duplicates, spiked surrogate recovery analysis, verification of analytical results, and data quality indicator requirements. Detailed information regarding the QA/QC program can be found in the QAPP (NNSA/NV, 2002).

4.1.2 Data Validation

Data validation was performed according to the QAPP (NNSA/NV, 2002), which is based on the U.S. Environmental Protection Agency (EPA) functional guidelines for data quality (EPA, 1994; 1999). Data were reviewed to ensure that waste characterization samples were appropriately processed and analyzed and that the results are valid. All waste characterization sample data were validated at the Tier I level.

No anomalies were discovered in the data that would discredit any of the sample results. Data met the required data quality indicators (i.e., precision, accuracy, sensitivity, completeness, comparability, and representativeness). The complete datasets, including validation reports, are maintained in the project files and available upon request.

4.1.3 Conceptual Site Models

The CSM was developed and presented in Revision 1 of the SAFER Plan for CAU 116 (NNSA/NSO, 2008). The CSM was based on process knowledge, historical background information, site analysis, and personnel interviews. The CSM assumed that the facility was radiologically impacted and that hazardous and regulated materials were present throughout the facility. The CSM was confirmed during closure activities.

4.2 USE RESTRICTION

Due to radiological activation of the reactor pad and remaining radiological and PCB-impacted debris in the grouted basement of Building 3210, a UR has been implemented for CAU 116. The UR includes the original portion of the concrete reactor pad north of Building 3210 and the basement of Building 3210. UR warning signs were installed to delineate the UR according to the FFACO Use Restriction Posting Guidance (FFACO, 2003). Figure 2 shows the boundary of the UR. The Use Restriction Information form is included in Appendix C of this report. Annual site inspections will be performed to ensure that all signs are in good repair and that the use restriction has been maintained. Details on the post-closure requirements are included in Section 5.2.

Contamination in the concrete and soil located outside the boundary of the UR that resulted from activities at Test Cell C will be investigated and closed under CAS 25-99-22, Ancillary Facilities, which is in CAU 572, Test Cell C Ancillary Building and Structures. Investigation of this CAS will include soil beneath existing concrete pads, concrete surfaces outside the boundary of the UR, and surface and subsurface soil within the fence line of the Test Cell C Facility.

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5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

The following site closure activities were performed at CAU 116 as documented in this CR:

- All hazardous and/or regulated materials were removed and disposed from Building 3210 and the nuclear furnace piping.
- The rail trenches and subsidence on the reactor pad north of Building 3210 were filled with grout.
- All remaining penetrations in the basement of Building 3210 were filled with grout. Building 3210, the concrete shield wall, and the nuclear furnace piping and tanks were demolished. As much demolition debris as space allowed was placed in the remaining basement structure of Building 3210. Remaining demolition debris was disposed.
- As a best management practice, Building 3211 (moveable shed) was demolished, and demolition debris was disposed.
- A minimum of 1 ft of grout/concrete was placed over the basement.
- Final radiological surveys and ISOCS characterization were performed of remaining concrete slabs within the immediate vicinity of the CASs, including the reactor pad north of Building 3210.
- Radiological postings and UR warning signs were installed.

5.2 **POST-CLOSURE REQUIREMENTS**

Inspections will be performed annually to verify that the UR warning signs are in place and legible and that the UR is maintained. The interior of the UR area will be inspected to confirm there have been no disturbances to the area. Maintenance or repair needs that are identified, such as sign or post repair, will be completed prior to the following inspection and documented in writing at the time the work is done. Inspection results will be documented in the annual combined NNSS post-closure letter report. The report will include a discussion of observations and will describe any maintenance activities performed since the last inspection. A copy of the inspection checklist will be provided, and the field notes will be maintained in the project files. The letter report will be submitted to NDEP.

5.3 **Recommendations**

Since closure activities for CAU 116 have been completed following Revision 1 of the SAFER Plan for CAU 116 (NNSA/NSO, 2008) as documented in this CR, NNSA/NSO requests the following:

- A Notice of Completion from NDEP to NNSA/NSO for closure of CAU 116
- The transfer of CAU 116 from Appendix III to Appendix IV, Closed Corrective Action Units, of the FFACO

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Contamination in the concrete and soil located outside the boundary of the UR that resulted from activities at Test Cell C will be investigated and closed under CAS 25-99-22, Ancillary Facilities, which is in CAU 572, Test Cell C Ancillary Building and Structures. Investigation of this CAS will include soil beneath existing concrete pads, concrete surfaces outside the boundary of the UR, and surface and subsurface soil within the fence line of the Test Cell C Facility.

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6.0 **REFERENCES**

- EPA, see U.S. Environmental Protection Agency.
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APPENDIX A*

DATA QUALITY OBJECTIVES

*As presented and published in the approved *Streamlined Approach for Environmental Restoration Plan for Corrective Action Unit 116: Area 25 Test Cell C Facility, Nevada Test Site, Nevada*, 2008, DOE/NV--1132-REV.1. Las Vegas, NV.

3.0 DATA QUALITY OBJECTIVES

The DQO process is a seven-step strategic, systematic planning method based on the scientific method that was used to plan data collection and field investigation activities for CAU 116, Area 25 TCC. The seven steps of the DQO process presented in this report were developed in accordance with the U.S. Environmental Protection Agency (EPA) Guidance for the Data Quality Objectives Process (EPA, 2006). DQO are designed to ensure that the data collected will provide sufficient and reliable information to support the potential closure alternatives for CAU 116. Although sufficient information is available about the nature and extent of contamination at CAU 116 to suggest a closure activity, additional data is needed to verify the existing information, confirm the existence of contamination and/or waste, and affirm the closure decision.

During DQO discussions for CAU 116, data needed to resolve problem statements and decision statements were identified. Criteria for data collection and analysis were defined and agreed upon and the appropriate quality assurance (QA)/quality control (QC) required for particular data collection activities were assigned. The analytical methods and reporting limits prescribed through the DQO process and the data quality indicators (DQIs) for laboratory analysis, such as precision and accuracy requirements, are provided in more detail in Section 7.0 of this SAFER Plan.

3.1 SUMMARY OF DATA QUALITY OBJECTIVES ANALYSIS

3.1.1 State the Problem (Step 1)

Step 1 of the DQO process describes the problem to be studied and develops a CSM to gain a sufficient understanding to define the problem.

The problem statement for CAU 116 is: "Additional information is required to verify existing information, confirm the existence of contamination and/or waste, and affirm the closure decision."

3.1.1.1 Conceptual Site Model

The CSM is used to organize and communicate information about site characteristics. It reflects the best interpretation of available information at any point in time. The CSM is based on historical documentation, personnel interviews, site process knowledge, site walk-downs, photographs, engineering drawings, field screening, and analytical results. The CSM describes the most probable scenario for current conditions at the site and defines the assumptions that are the basis for identifying an appropriate sampling strategy and data collection methods.

The CSM for CAU 116 is a contaminated facility that contains waste and contaminated materials. Waste includes equipment and materials from the nuclear rocket development era that contain hazardous constituents. CAU 116 includes all waste and contamination within the CAU boundary. Table 2 summarizes the anticipated site conditions and potential contaminants that define the CSM for CAU 116.

If additional CSM elements are identified during remediation that is outside the scope of the CSM, the situation will be reviewed and a recommendation will be made on how to proceed. In

such cases, the NDEP and the NNSA/NSO will be notified and given the opportunity to comment on, or concur with, the recommendation.

ANTICIPATED CONTAMINANTS	PROBABLE LOCATION
Radionuclides	 Nuclear furnace piping Building 3210 (roof, walls, floors, ducts, equipment) Reactor pad Shield wall Possibly existing in, on, and around other buildings and structures within the TCC Facility boundary
PCBs	PaintFluorescent light bulbs and ballastsHydraulic oil in equipment
Cadmium	Foil around electrical cables
Mercury	 Electrical components Circuit boards Switches
Lead	 Circuit boards Paint Lead bricks Lead wool Shield doors
Asbestos	 Floor and ceiling tile Piping insulation Transite wallboard and boxes Penetration filler (mastic) Fire hoses
Freon/Glycol	Chiller unit in Building 3210In pumps for the cooling towers in Building 3220

Table 2. Summary of Conceptual Site Model for CAU 116

3.1.2 Identify the Decisions (Step 2)

Step 2 of the DQO process identifies the questions the study will attempt to resolve and what actions may result. The most probable closure decisions are identified below.

The Decision I statement is: "Is waste present and/or is contamination present above action levels?"

The *Decision II* statement is: "After removal of hazardous/regulated waste, demolition of the buildings, and removal of transferable radioactive contamination, does the risk to personnel and the environment justify the removal of the remaining radiological contamination?"

3.1.3 Identify the Inputs to the Decisions (Step 3)

Step 3 of the DQO process identifies the information needed, the sources of information, and sampling and analysis methods that can meet the data requirements.

3.1.3.1 Information Needs

In order to confirm the CSM and the nature and extent of contamination, data must be collected and analyzed using the following criteria:

- Data will be collected from locations most likely to contain contamination (judgmental sampling approach).
- The analytical suite selected will be adequate to detect contaminants present in the samples.

3.1.3.2 Sources of Information

Information needed to satisfy the decisions will be generated by collecting samples and conducting radiological surveys. Information generated will be in the following form:

Quantitative Data

Quantitative data measure the quantity or amount of a characteristic or component. These data require the highest level of QA/QC in collection and measurement systems because the intended use of the data is to resolve primary decisions and/or verify closure standards have been met. Laboratory analytical data are generally considered quantitative.

A judgmental (biased) sampling approach will be used. Samples will be collected from locations likely to be contaminated, using appropriate sampling methods. The locations likely to be contaminated are summarized in Table 2. Samples will be submitted to analytical laboratories meeting the quality criteria stipulated in the Industrial Sites QAPP (NNSA/NV, 2002). Only validated data from analytical laboratories will be used to support DQO decisions. Sample collection and handling activities will follow standard procedures.

Semiquantitative Data

Semiquantitative data indirectly measure the quantity or amount of a characteristic or component. Inferences are drawn about the quantity or amount of a characteristic or component, because a correlation has been shown to exist between the indirect measurement and the results from a quantitative measurement. The QA/QC requirements on semiquantitative collection and measurement systems are high, but may not be as rigorous as for a quantitative measurement system. Semiquantitative data contribute to decision-making but are not used alone to resolve primary decisions. Field-screening data are generally considered semiquantitative. The data are often used to guide investigations toward quantitative data collection.

Field screening activities will be conducted for alpha and beta/gamma radiation/contamination. A handheld radiological survey instrument or other method will be used, based on the possibility that portions of buildings, the reactor pad, piping, and equipment are radiologically contaminated. These field screening techniques will provide semiquantitative data that can be used to guide verification sampling and waste management activities. Core samples of materials may then be collected for In-Situ Object Counting System (ISOCS) analysis based on these results.

Qualitative Data

Qualitative data identify or describe the characteristics or components of the site. The QA/QC requirements are the least rigorous on data collection methods and measurement systems. The intended use of the data is for information purposes, to refine CSMs, and to guide investigations rather than resolve primary decisions. This measurement of quality is typically assigned to historical information and data where QA/QC may be highly variable or not known. Professional judgment is often used to generate qualitative data.

3.1.4 Define the Study Boundaries (Step 4)

Step 4 of the DQO process defines the target population of interest, specifies the spatial boundaries and time constraints of that population pertinent for decision-making, and determines practical constraints on data collection.

3.1.4.1 Population of Interest

The population of interest to resolve the decisions includes the materials that are impacted by a contaminant above the action level.

3.1.4.2 Spatial Boundaries

The spatial boundaries include Building 3210 and the nuclear furnace.

3.1.4.3 Time Constraints

The study data should be relevant with the length of time allowed for by the SAFER process under the FFACO agreement (FFACO, 1996; as amended February 2008). Data will be collected at times that meet the security and safety constraints of the NTS and at times when weather conditions allow adequate site access and safe working conditions. The final SAFER Plan will be submitted by September 2006. Closure activities are currently scheduled to begin in fiscal year 2007.

3.1.4.4 Practical Constraints

Other constraints that may affect the ability to collect data include the following:

- Approval of SAFER Plan and DQO
- Equipment access and availability at the NTS
- Issue/award of demolition subcontract
- Acceptance of waste disposal pathways
- Other unsafe working conditions

3.1.5 Develop a Decision Rule (Step 5)

Step 5 of the DQO process develops a decision rule ("If..., then...") statement that defines the conditions under which possible alternative actions will be chosen. In this step, the statistical parameters that characterize the population of interest are specified, the action levels are specified, and the measurement and analysis limits are confirmed capable of detecting action levels.

3.1.5.1 **Population Parameters**

Each sample result within the population of interest defined in Step 4 will be compared to the action levels to determine the appropriate resolution to the decisions.

3.1.5.2 Decision Rules

The decision rules for Decision I and Decision II are as follows:

Decision I

- If waste or contamination above action levels is present, then the practicality of its removal will be determined.
- If no waste or contamination above action levels is present, then the material in question will be considered sanitary waste.

Decision II

- All hazardous/regulated waste and transferable radiological contamination will be removed and disposed.
- Any radiological contamination that is not practical to remove based on the risk assessment (e.g., activated concrete) will be closed in place or posted per the *NV/YMP Radiological Control Manual* (NNSA/NSO, 2004b).

3.1.5.3 Action Levels

Action levels for chemical contaminants are defined as the EPA Region 9 risk-based preliminary remediation goals for chemical constituents in industrial soils (EPA, 2004). Action levels for radiological contaminants are based on the National Council on Radiation Protection (NCRP) Report No. 129, recommended screening limits for construction, commercial, industrial land-use scenarios (NCRP, 1999) scaled to 25 mrem/yr dose constraint (Murphy, 2004), and the generic guidelines for residual concentration of radionuclides in DOE Order 5400.5 (DOE, 1993). The radiological action level for solid media will be defined as the unrestricted-release criteria defined in the *NV/YMP Radiological Control Manual* (NNSA/NSO, 2004b) Table 4-2.

Remaining radiological contamination, per Decision II of the decision rules, will be posted per the *NV/YMP Radiological Control Manual* (NNSA/NSO, 2004b).

3.1.5.4 Measurement and Analysis Sensitivity

The measurement and analysis methods listed in the Industrial Sites QAPP (NNSA/NV, 2002) are capable of measuring analyte concentrations at or below the corresponding action levels for each constituent.

3.1.6 Specify Tolerable Limits on Decision Errors (Step 6)

Step 6 of the DQO process specifies performance criteria for the decision rules. Setting tolerable limits on decision errors requires the planning team to weigh the relative effects of threat to human health and the environment, expenditure of resources, and the consequences of an incorrect decision. This section provides an assessment of the possible outcomes of DQO decisions and the impact of those outcomes if the decisions are in error.

EPA's DQO guidelines state that if a judgmental sampling approach is used, quantitative statements about data quality will be limited to measurement error (EPA, 2006). Measurement error is influenced by imperfections in the measurement and analysis system. Random and systematic measurement errors are introduced in the measurement process during physical sample collection, sample handling, sample preparation, sample analysis, and data reduction. If measurement errors are not controlled, they may lead to errors in making the DQO decisions.

In general, confidence in DQO decisions based on judgmental sampling results will be established qualitatively by:

- Developing CSMs.
- Testing the validity of the CSMs based on investigation results.
- Evaluating the quality of the data based on DQI parameters.

3.1.6.1 Decision Errors

The baseline condition (i.e., null hypothesis) and alternative condition for Decision I are:

- Baseline condition: Waste or contamination above action levels is present.
- Alternative condition: Waste or contamination is not present.

The baseline condition (i.e., null hypothesis) and alternative condition for Decision II are:

- Baseline condition: It is practical to remove all waste and/or contamination.
- Alternative condition: It is not practical to remove all waste and/or contamination.

False Negative

A false negative decision error would mean deciding contamination is not present when it actually is (Decision I), or deciding it is not feasible to remove waste or contamination when it actually is feasible to do so (Decision II). In both cases the potential consequence is an increased risk to human health and environment. The false negative decision error is controlled by meeting these criteria:

• Having a high degree of confidence that the sample locations selected will identify contamination if present anywhere within the CAS. To satisfy this criterion, samples will be

collected in areas most likely to be contaminated. This was considered during development of the CSM. Table 2 summarizes these locations. Systematic radiological surveys will be conducted of the facility. In addition, the sample size determination for COC containing paint will be made using statistics based on EPA guidance for lead and PCBs.

- Having a high degree of confidence that the analyses conducted will be sufficient to detect any contamination present in the samples. To satisfy this criterion, the DQI of sensitivity will be assessed for all analytical results, to ensure that all sample analyses had detection limits that were less than or equal to the corresponding action level.
- Having a high degree of confidence that the dataset is of sufficient quality. To satisfy this criterion, the data will be assessed against the DQIs of precision, accuracy, comparability, and completeness. The appropriate QC samples will be collected as defined in the Industrial Sites QAPP (NNSA/NV, 2002).

False Positive

The false positive decision error would mean deciding contamination is present when it actually is not (Decision I) or deciding it is practical to remove waste or contamination when it actually is not practical (Decision II). In both cases the result would be increased costs. False positive errors for Decision I are typically attributed to laboratory and/or sampling errors that could cause cross-contamination. To control against cross-contamination, decontamination of sampling equipment will be conducted according to established and approved procedures. Only clean sample containers will be used. False positive errors for Decision II will be avoided by presenting and reviewing plans for removal of waste with the NNSA/NSO and the NDEP to help mitigate impractical remediation activities.

3.1.7 Optimize the Design (Step 7)

Step 7 of the DQO process provides the general approach for obtaining the information necessary to resolve the decisions. A judgmental sampling scheme will be implemented to select sample locations and evaluate analytical results. EPA's DQO guidelines state that a judgmental sampling approach can be used when there is sufficient information on the contamination sources and history to develop a valid CSM and to select specific sampling locations (EPA, 2006). This design is used to confirm the existence of contamination at specific locations and provide information about specific areas of the site. Sample locations for judgmental sampling will be determined based on process knowledge and previously acquired data. Table 3 summarizes the locations where samples will be collected and the analyses to be performed. Although additional areas of probable hazardous/regulated waste are identified in Table 2, samples will not be collected from these areas. Instead, the existence of waste will be verified by visual observations, and the materials will be disposed appropriately. In addition, radiological contamination will be identified by extensive, systematic, radiological surveys and ISOCS analysis of core samples.

PARAMETER	ANALYTICAL METHOD	LOCATION
PCBs	8082^{a}	Hydraulic oil in equipment
TCLP PCBs	1311/8082	Paint
TCLP Lead	1311/6010B ^a	Paint
TCLP Cadmium	1311/6010B ^a	Foil around piping and conduit
Radionuclides	Field Screening and ISOCS analysis of core samples	 Nuclear furnace piping Building 3210 (roof, walls, floors, ducts, equipment) Building 3211 (movable shed) Reactor pad Shield wall

 Table 3. Sample Analysis Requirements

^aTest Methods for Evaluating Solid Waste, 3rd Edition, Parts 1-4, SW-846 (EPA, 1996) PCB = polychlorinated biphenyls

TCLP = Toxicity Characteristic Leaching Procedure

3.2 RESULTS OF THE DATA QUALITY OBJECTIVES ANALYSIS

3.2.1 Action Level Determination and Basis

Action levels for chemicals are defined as the EPA Region 9 risk-based preliminary remediation goals for chemical constituents in industrial soils (EPA, 2004). Action levels for radiological contaminants are based on the NCRP Report No. 129-recommended screening limits for construction, commercial, industrial land-use scenarios (NCRP, 1999) scaled to 25 mrem/yr dose constraint (Murphy, 2004), and the generic guidelines for residual concentration of radionuclides in DOE Order 5400.5 (DOE, 1993). The radiological action level for solid media will be defined as the unrestricted release criteria defined in the *NV/YMP Radiological Control Manual* (NNSA/NSO, 2004b) Table 4-2. Remaining radiological contamination, per Decision II of the decision rules, will be posted per the *NV/YMP Radiological Control Manual* (NNSA/NSO, 2004b).

3.2.2 Hypothesis Test

Only valid data from radiological surveys and laboratory analytical results will be used to determine if contamination is present. The null hypothesis for Decision I is that waste and/or contamination above action levels is present. The two types of decision errors are false negative and false positive. A false negative decision error would occur if contamination is determined not to be present above the action levels when it actually is, increasing risk to human health and the environment. A false positive decision error would occur if contamination is determined to be present above the action levels when it actually is not, resulting in increased costs for unneeded remediation.

3.2.3 Statistical Model

The sample size determination for COC containing paint will be made using statistics based on EPA guidance for lead and PCBs (EPA, 2004). For all other sampling, individual sample results, rather than an average concentration, will be used to compare to action levels. Statistical models will not apply.

3.2.4 Design Description/Option

Biased (judgmental) samples will be collected as summarized in Table 3. These locations were chosen based on process knowledge of the site. Systematic radiological surveys will be conducted to identify radiological contamination.

3.2.5 Conceptual Site Model

The CSM is presented in Section 3.1.1.1 and summarized in Table 2.

APPENDIX B

WASTE DISPOSITION DOCUMENTATION

Sanitary Waste and Hydrocarbon Waste

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Form			Rev. 0
FRM-0918 NTS LA	NDFILL LOAD VERIF		Page 1 of 2
SWO USE (Select One) AREA	23 6		NDFILL
For waste characterization, approv			98.
	ED: WASTE GERERATOR INFO		
		Contraction of the contraction o	
	ic / Rob Baumert		5782
	iest cell C 145		
	Commercial	Industrial (1) 5 3-2	
Waste Type: 🗌 NTS	Putrescrible		C Exception
	Asbestos Containing Material		toric DOE/NV
Pollution Prevention Category: (check one)	Environmental management	Defense Projects YM	Р
	Clean-Up	Routine	
	Sampling & Analysis	🗶 Process Knowledge 🕱 Col	
Prohibited Waste at all three Radioactive w NTS landfills: levels and Me	vaste; RCRA waste; Hazardous wa edical wastes (needles, sharps, bio		CA regulatory
Additional Prohibited Waste	ge. Animal carcasses, Wet garbagi	er ne ne - all debueer endro 🗨 tun	los
· · · · · · · · · · · · · · · · · · ·	WASTE CONTENTS ALLOWAB	I F WASTES	
Check all allo	wable wastes that are contained w	ithin this load:	
NOTE: Waste disposal at the Area 6 Hydrocar	bon Landfill must have come into a	contact with petroleum hydrocarbo	ons or
coolants, such as: gasoline (no benze petroleum hydrocarbon; and ethylene c	ene, lead); jet tuel; diesel fuel; lubri sivcol	cants and hydraulics; kerosene; a	sphaltic
Acceptable waste at any NTS landfill:	Paper 🔀 Rocks / unaltered	d geologic materials	/ containers
	Soil 🔀 Rubber (excludin		lition debris
	Cloth 🔀 Insulation (non-A		nt & concrete
X Manufactured items: (swamp coolers, furnit	ure, rugs, carpet, electronic compo		
Additional waste accepted at the Area 23 Me			al Carcasses
🗌 Asbestos 📋 Friable 🗌 Non-Fria	able (contact SWO if regulated load	d) Quantity:	
Additional waste accepted at the Area 9 U10	c Landfill:		
🗋 Non-friable asbestos 👘 Drained a	utomobiles and military vehicles	Solid fractions from sand/oil/w	ater
Light ballasts (contact SWO) Drained fu	uel filters (gas & diesel)	Deconned Underground and /	Above
Hydrocarbons (contact SWO) 🔲 Other		Ground Tanks	
Additional waste accepted at the Area 6 Hyd	rocarbon Landfill:		
	ned fuel filters (gas & diesel)	Crushed non-teme plate	d oil filters
a contract of the second	ge from sand/oil/water separators		r million
	ED: WASTE GENERATOR SIGN	IATURE	
lnitials: (if initialed, по radiological cle	earance is necessary.)		
The above mentioned waste was generated out knowledge, does not contain radiological mate		ement Area (CWMA) and to the t	est of my
To the best of my knowledge, the waste descril site. I have verified this through the waste char prohibited and allowable waste items. <u>I have c</u>	racterization method identified ab	ove and a review of the above-m	entioned
is approved for disposal in the landfill.		Radiation Survey Release	
Print Name: Robert Banmer		RCT Initials	
Signature: /s/ Robert Baumert	Date:	contamination.	free of external radioactive
Note: "Food waste, office trash and animal card	casses do not require a radiologica	I clea	exempt from survey due to d origin. free of radioactive
must have signed removal certification st SWO USE ONLY	· · · · · · · · · · · · · · · · · · ·	This container/load is containination based	
SWO USE ONLY Load Weight (net from scale or estimate):	081- 3-26-07	signature: See Origina	DATE:
Load vveight (het from scale or estimate):	<u>D 160</u> Signature of Certifier	See Original	Ę
			/

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SWO USE (Select One) AREA 23 6 X 9 LANDFILL
For waste characterization, approval. and/or assistance, contact Solid Waste Operation (SWO) at 5-7898. REQUIRED: WASTE GERERATOR INFORMATION
(This form is for rolloffs, dump trucks, and other onsite disposal of materials.)
Waste Generator: Mike Kruzic/Ros BrumerT Phone Number: 7396/5683
Location / Origin: CAU 116 Test Cell C CAS 25-41-05
Waste Category: (check one)
Waste Type: X NTS Putrescrible FFACO-onsite V S WAC Exception
(check one)
Pollution Prevention Category: (check one) 🕅 Environmental management 📋 Defense Projects 🔲 YMF
Pollution Prevention Category: (check one) 🔀 Clean-Up
Method of Characterization: (check one) 🗌 Sampling & Analysis 🔯 Process Knowledge 😰 Contents
Prohibited Waste at all three 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 hydraulics; kerosene; asphaltic petroleum hydrocarbon; and ethylene glycol.
Acceptable waste at any NTS landfill: 🔀 Paper 🔀 Rocks / unaltered geologic materials 🗌 Empty containers
Asphali 🕅 Metal 🕅 Wood 🛣 Soil 🙀 Rubber (excluding tires)
X Plastic Vire Cable X Cloth Insulation (non-Asbestosform)
Manufactured items: (swamp coniers 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 aspestos 👘 🗍 Drained automobiles and military vehicles 🔲 Solid fractions from sand/oil/water
Light ballasts (contact SWO) Drained fuel filters (gas & diesel) Deconned 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-teme plated oil filters
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 material site. I have verified this through the waste characterization method identified above at Radiation Survey Release for Waste Dispos
prohibited and allowable waste items. I have contacted Property Management and hav
Contamination.
Print Name: Kober BaumerT This container/load is exempt from survey due to process knowledge and origin.
Signature: /s/ Robert Baumert Date: 3/22/07
Note: "Food waste, office trash and animal carcasses do not require a radiological clea must have signed removal certification statement with Load Verification."
SWOLISE ONLY
Load Weight (net from scale or estimate):

				(h))
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Form					08/23/06
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FRM-0918	NTS LANDF		VERIE	ICATION	Page 1 of 2
SWO USE (Select One		23	6	8 🗙	
For waste characte	rization, approval, and	l/or assistance, o	contact Solid	Waste Operation (SV	VO) at 5-7898.
(This	REQUIRED: W form is for rolloffs, du	VASTE GERER	ATOR INFO	RMATION	
Vaste Generator: Mil/		$\Lambda + \Lambda$, 1
	enoral /		ment.	-	7596/5682
ocation / Origin: CAU	116 Test C	ell_(CAS	25-1-05-	25-41-05
Vaste Category: (check one)		mmercial		🗵 Industrial 🛛 🖉	3-27-07
Vaste Type: 🔀 NTS check one) 🗍 Non-Puti		trescrible		FFACO-onsite	WAC Exception
		bestos Containin	ng Material	FFACO-offsite	Historic DOE/NV
Collution Prevention Category	y: (check one) XI En	vironmental man	agement	Defense Projects	YMP
follution Prevention Category				Routine	
		mpling & Analysi		Process Knowled	ge 📋 Contents
rohibited Waste at all three ITS landfills:	levels, and Medical v	wastes (needles.	zaruous wa: , sharps. blo	ste, Free liquids, PCB ody clothina).	s above TSCA regulatory
dditional Prohibited Waste t the Area 9 U10C Landfill:				(food waste); and Fr	able asbestos
OTE: Waste disposal at the A coolants, such as: gase petroleum hydrocarbon; cceptable waste at any NTS I	oline (no benzene, lea ano ethylerie glycol.	indfill must have id); jet fuel, diese	come into c el fuel; lubric	ontact with petroleum ants and hydraulics; I	kero s ene; asphaltic
Plastic 🔀 Wire Manufactured items: (swamp ditional waste accepted at t Asbestos 📋 Friable ditional waste accepted at t Non-friable asbestos Light ballasts (contact SWO)	Wood Y Soil Cable Y Oloth coolers, furniture, rug the Area 23 Mercury I Non-Friable (co he Area 9 U10c Land Drained automob	☑ Rubbi ☐ Insula gs. carpet, electr Landfill: □ Intact SWO if reg Ifill: piles and military	er (excluding ation (non-As ronic compor Office Wasti gulated load vehicles	bestosform) nents, PPE, etc.) Classifier (Solid Fractions from Classifier (Solid Fractions from Classifier (Solid Fractions from Classifier (Solid Fractions from Classifier (Solid Fractions from	
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Plastic Wire Manufactured items: (swamp Iditional waste accepted at t Asbestos Friable Iditional waste accepted at t Mon-friable asbestos Light ballasts (contact SWO) Hydrocarbons (contact SWO) Iditional waste accepted at t Septic sludge Rags	Wood Y Soil Cable Y Oloth coolers, furniture, rug the Area 23 Mercury I Non-Friable (co he Area 9 U10c Land Drained automob Drained fuel filter Other he Area 6 Hydrocarb	Rubbi Insula In	er (excluding ation (non-As onic compor Office Wasti gulated load vehicles	y tires) sbestosform) nents, PPE, etc.) P [] Food Waste) Quantity:] Solid fractions from] Deconned Undergi Ground Tanks [] Crushed non-	Demolition debris Cement & concrete Anima! Carcasses sand/oil/water round and Above teme plated oil filters
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	AREA	23	6		9	LANDFILL	
For waste characteriza		hand	ce, contact S	olid W	aste Operation (
		D: WASTE GER					
(This for	rm is for rollofi	fs, dump trucks, a	nd other ons	ite disp	oosal of materials	s.)	
Waste Generator: Mike Kruzic					Phone Number	: 5-7396	_
Location / Origin: CAU 116 Tes	t Cell C						_
Waste Category: (check one)		Commercial			Industrial		
Waste Type: X NTS		Putrescrible	5 11/27/07		FFACO-onsite		tion
(check one) 🗌 Non-Putres	cible 🛛 🖄	Asbestos Conta	aining Materi	al 🗌	FFACO-offsite	Historic DOE	E/NV
Pollution Prevention Category: (Environmental 1	managemen		Defense Projec	ts 🗌 YMP	
Pollution Prevention Category: (A sector and a sector of the s	Clean-Up			Routine		
Method of Characterization: (che Prohibited Waste at all three R		Sampling & Ana				edge 🗌 Contents	
Additional Prohibited Waste at the Area 9 U10C Landfill: Si	ewage Sludge	dical wastes (neec e, Animal carcass WASTE CONTEN	es, Wet garb	age (fo	ood waste); and I	Friable asbestos	
coolants, such as: gasolir petroleum hydrocarbon; ar				Singari	ie una nyaraunoa	a delegener depridude	
Acceptable waste at any NTS lan Asphalt Detail V Plastic Vire C	ndfill: □ Vood □ Cable □	Paper R Soil R Cloth In	ubber (exclu sulation (no	ding ti n-Asbe	estosform)	 Empty contained Demolition deb Cement & cond 	oris
Acceptable waste at any NTS lan Asphalt Metal V Plastic Wire C Manufactured items: (swamp ca Additional waste accepted at the	ndfill: Vood Cable oolers, furnitu Area 23 Mer	Paper IR Soil R Cloth In ire, rugs, carpet, e	ubber (exclusulation (no lectronic cor	ding ti n-Asbe nponei 'aste	res) estosform) nts, PPE, etc.)	Demolition deb	oris crete
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Acceptable waste at any NTS lan Asphalt Metal V Plastic Wire C Manufactured items: (swamp ca Additional waste accepted at the Asbestos Friable	hdfill: Vood Cable coolers, furnitu coolers, furnitu Area 23 Mer Non-Frial Area 9 U10c Drained au	Paper R Soil R Cloth In re, rugs, carpet, e rcury Landfill: ble (contact SWO c Landfill: tomobiles and mili	ubber (exclu sulation (no lectronic cor Office W if regulated itary vehicles	ding ti n-Asbe nponer aste oad)	res) estosform) nts, PPE, etc.) Guantity: Quantity: Solid fractions fro	Demolition deb Cement & cond e Animal Carcas	oris crete
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NSTec			($\overline{\mathcal{G}}$)	08/23/06
Form					Rev. 0
FRM-0918 NISL	ANDFILL LO	AD VERIF		<u> </u>	age 1 of 2
SWO USE (Select One) AREA	23	6	9		DFILL
For waste characterization, app		ce, contact Soli	d Waste Operation	(SWO) at 5-7898	2
	IIRED: WASTE GER bloffs, dump trucks, a			als.) .	
Waste Generator: MIKE FLOYD	, ac., p (, ac, c), a		Phone Numb		
Location / Origin: CAU 116 // test cell C					
Waste Category: (check one)	Commercial		🛛 Industrial		
Waste Type: 🛛 NTS	Putrescrible		🖾 FFACO-onsil		Exception
(check one) On-Putrescible	Asbestos Conta	aining Material	FFACO-offsit	e 🗌 Histo	ric DOE/NV
Pollution Prevention Category: (check one		management	🔲 Defense Proj	ects 🗌 YMP	
Pollution Prevention Category: (check one) 🖾 Clean-Up		Routine		
Method of Characterization: (check one)	Sampling & An			wledge 🔲 Conte	
Prohibited Waste at all three Radioactiv NTS landfills: levels, and	e waste; RCRA waste Medical wastes (nee	; Hazardous w dies, sharps, bl	aste; Free liquids, oody clothing).	PCBs above TSC	A regulatory
Additional Prohibited Waste at the Area 9 U10C Landfill:	ludge, Animal carcass	es, Wet garbaç	ge (food waste); ar	d Friable asbesto	s
	ED: WASTE CONTEN	TS ALLOWA	BLE WASTES		
Check all	allowable wastes that	are contained	within this load:		
NOTE: Waste disposal at the Area 6 Hydro	carbon Landfill must h	nave come into	contact with petro	leum hydrocarbor	is or
coolants, such as: gasoline (no be		diesel fuel; lubi	ricants and hydrau.	ics; kerosene; as	bhaillic
petroleum hydrocarbon; and ethyle Acceptable waste at any NTS landfill:		Rocks / unalter	ed geologic materia	als 🗍 Empty	containers
Asphalt Metal Wood		Rubber (excludi			tion debris
\square Asphalt \square Metal \square Wood \square		nsulation (non-	-	—	t & concrete
Manufactured items: (swamp coolers, ft					SW place lity
Additional waste accepted at the Area 23	****	Office Wa			Carcasses
	Friable (contact SWC				
Additional waste accepted at the Area 9	ed automobiles and mi	litary vobiolog	Solid fraction	s from sand/oil/wa	ter
	ed fuel filters (gas & di			derground and Al	
	o idei inteis (gas & di	8581)	Ground Tanks	-	5016
Hydrocarbons (contact SWO) Dther					
Additional waste accepted at the Area 6					oil filtoro
	Drained fuel filters (ga			I non-teme plated	
	Sludge from sand/oil/w DURED: WASTE GEI			elow 50 parts per	
Initials: (if initialed, no radiologica			ATONE		
The above mentioned waste was generated			agement Area (CW	MA) and to the be	est of my
knowledge, does not contain radiological r					I
To the best of my knowledge, the waste de	scribed above contain	s only those a	Radiolog	rical Survey Release	for Waste Disposal
site. I have verified this through the waste	characterization meth	od identified a	The second se	ara	
prohibited and allowable waste items. I ha			and he		neets the criteria for r lioactive material
is approved for disposal in the landfill.	~			me container/load n	liests the culturate c
Print Name: <u>Mike Eloyd</u>	- /		· · ·	aucon Manual Tabl	A 2 rolonna limit
		Date: 1/23	104 1 1 1	PLOCOSS KIIOWIG	dge and origin.
Signature: (/s/ Mike Floyd			SIGNATURI	🗈 See Origina	DATE: 1-24-~
Note: "Food waste, office trash and animal must have signed removal certification	carcasses do not requision statement with Loa	uire a radiologio d Verification."		- v	BN-0646 (10
SWO USE ONLY					
Load Weight (net from scale or estimate): _	9760 1-2 Sigr	4 <i>-08</i> nature of Certifi	_{er:} See Origina	I	_
	1.			Most	~
\checkmark				/	

NSTec							08/23/06
Form							Rev. 0
RM-0918 NTS	S LANDFILI	L LOAD	VERIF	CATI	ON		Page 1 of 2
1111-0510							
		23	<u>6</u>		9		
For waste characterization,						(O) at 5	-7898. ₩
	EQUIRED: WAS for rolloffs, dump						
Waste Generator: MIKE FLOYD		·····, ····			ie Number: 5	-6653	
_ocation / Origin: CAU 116 // test ce							
Naste Category: (check one)				🛛 Indu			
Naste Type: 🛛 NTS	Putres		A. 4 1		CO-onsite		WAC [·] Exception Historic DOE/NV
check one) Non-Putrescible		tos Containin			CO-offsite		
Pollution Prevention Category: (check		nmental man	agement		ense Projects		
Pollution Prevention Category: (check Method of Characterization: (check on		ing & Analysi	e		ess Knowled	ne 🗍	Contents
Prohibited Waste at all three Radioa							
VTS landfills: levels,	and Medical was	ites (needles,	sharps, blo	ody cloth	ning).		
Additional Prohibited Waste	ge Sludge, Animal	I carcasses, V	Net garbag	e (food w	aste); and Fri	able asl	pestos
	UIRED: WASTE	CONTENTS	ALLOWAB	LE WAS	TES		
Check	k all allowable wa	stes that are o	contained w	vithin this	load:	(
NOTE: Waste disposal at the Area 6 H coolants, such as: gasoline (n	iydrocarbon Landi o bonzono Joad):	fill must have	come into (contact w	hth petroleum	hydroc	arbons or
COOLADIS. SUCH as: Dasonne D					a nyarai iles: i		
				ounto un	a nyaraulics; i	Crosen	e, asphanic
petroleum hydrocarbon; and et Acceptable waste at any NTS landfill	hylene glycol.				c materials		npty containers
petroleum hydrocarbon; and et	hylene glycol. : 🛛 Paper	Rock		d geologi		Er De	npty containers emolition debris
petroleum hydrocarbon; and et Acceptable waste at any NTS landfill Asphalt	hylene glycol. : 🛛 Paper d 🗌 Soil e 🗌 Cloth	Rock Rubb Insula	s / unaltere er (excludir ation (non-/	d geologi ng tires) Asbestosi	c materials	Er De	npty containers
petroleum hydrocarbon; and et Acceptable waste at any NTS landfill Asphalt X Metal X Wood Plastic X Wire X Cable Manufactured items: (swamp cooled	hylene glycol. : 🛛 Paper d 🗌 Soil e 🗌 Cloth rs, furniture, rugs,	☐ Rock ☐ Rubb ☐ Insula carpet, elect	s / unaltere er (excludir ation (non-A roпic comp	d geologi ng tires) Asbestost onents, F	c materials orm) PE, etc.)		npty containers emolition debris ement & concrete Pric Sup Fa
petroleum hydrocarbon; and et Acceptable waste at any NTS landfill Asphalt Metal Wood Plastic Wire Cable Manufactured items: (swamp cooler Additional waste accepted at the Are	hylene glycol. : X Paper d Soil e Cloth rs, furniture, rugs, ea 23 Mercury La	Rocka Rubb Insula carpet, electa	s / unaltere er (excludir ation (non-/ ronic comp Office Was	d geologi ng tires) Asbestosi onents, F	c materials orm) PE, etc.) Food Waste		npty containers emolition debris ement & concrete
petroleum hydrocarbon; and et Acceptable waste at any NTS landfill Asphalt A Metal A Wood Plastic A Wire A Cable Manufactured items: (swamp cooler Additional waste accepted at the Are Asbestos Friable	hylene glycol. : 2 Paper d 2 Soil e 2 Cloth rs, furniture, rugs, ea 23 Mercury La Non-Friable (cont	Rock Rubb Insula carpet, elect ndfill:	s / unaltere er (excludir ation (non-/ ronic comp Office Was	d geologi ng tires) Asbestosi onents, F	c materials orm) PE, etc.)		npty containers emolition debris ement & concrete Pric Sup Fa
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Form					$\langle \rangle \rangle$	
FRM-0918	NTS LAND	FILL	L LOAD V	ERIFIC		Page 1 of 2
SWO USE (Select One)	AREA		23	6	⊠ 9/10C	LANDFILL
For waste characteriza					Vaste Operation (SWO)	at 5-7898.
(This fo			TE GERERATO trucks, and other		MATION sposal of materials.)	
Waste Generator: Rebecca Kin	9				Phone Number: 5-58	
Location / Origin: Area 25 Test	Cell C				FAX 5-	7918 (35)
Waste Category: (check one)		Comme	ercial	۵	Industrial	
Waste Type: 🛛 NTS		Putreso			FFACO-onsite	WAC Exception
(check one) INON-Putres					FFACO-offsite	
Pollution Prevention Category: Pollution Prevention Category:			nmental manage	ment L	Defense Projects	
Method of Characterization: (ch			ing & Analysis	ل ۲	Process Knowledge	Contents
Prohibited Waste at all three						
NTS landfills:			tes (needles, sh			
Additional Prohibited Waste at the Area 9 U10C Landfill:	Sewage Sludge,	Animal	i carcasses, Wet	garbage	(food waste); and Friabl	e asbestos
NOTE: Waste disposal at the Are coolants, such as: gasol petroleum hydrocarbon; a	Check all allowa a 6 Hydrocarbol ine (no benzene and ethylene glyc	ble was n Landf , lead); ;ol.	jet fuel; diesel fu	tained witi me into co uel; lubrica	hin this load: ntact with petroleum hy ints and hydraulics; ker	osene; asphaltic
	Wood 🗌 S		🔲 Rubber (excluding	tires)	Empty containers Demolition debris
	Cable 🗌 C			•	, –	Cement & concrete
Manufactured items: (swamp			***************************************	ic compor fice Waste		Animal Carcasses
Additional waste accepted at th			act SWO if regul			
Additional waste accepted at th						
· · ·			es and military ve	hicles [Solid fractions from s	and/oil/water
Light ballasts (contact SWO)		filters ((gas & diesel)		Deconned Undergrou Ground Tanks	ind and Above
Additional waste accepted at th		carbon	a Landfill:			****
Septic sludge Rags			ilters (gas & dies	el)	Crushed non-te	me plated oil filters
☐ Plants	🔲 Sludge	e from s	sand/oil/water se		PCBs below 50	parts per million
	REQUIREI	D: WAS	STE GENERAT		gical Survey Release for W	/aste Disposal
Initials: (if initialed, no ra	diological clear	rance is	s necessary.)		ais This container/load meets added man-made radioact	
The above mentioned waste was knowledge, does not contain rad	generated outsi iological materia	de of a als.	Controlled Wa:		This container/load meets Radcon Manual Table 4.2	the criteria for
To the best of my knowledge, the	waste describe	d abov	e contains only		This container/load is exe due to process knowledge a	mpt from survey
site. I have verified this through	the waste chara	cterizat	tion method ide	SIGNATU	RE:See Original	_DATE: 12 28
prohibited and allowable waste it is approved for disposal in the la		tacted	Property Mana			FRM-0646 (08/06)
Print Name: <u>Steve Mur</u>					If applicable, "Radiological	place FRM-0646, Release Sticker"
Signature: /s/ Steve Munr	าร		Date:	12-28.	-20/0 here. On	site use only.
Note: "Food waste, office trash a must have signed removal	nd animal carca	sses do	o not require a ra	diological		
	· · · · · · · · · · · · · · · · · · ·					
SWO USE ONLY Load Weight (net from scale of e	atimate).	7.1.8	D 12/28	110	See Original	
Load Weight (het from scale of e	sumate):	140	Signature o	i Certiller:		
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NSTec							10/07/09	9
Form							Rev. 0 ⁻	1
FRM-0918		NTS LA	NDFILL LO	AD VERIF	ICATION		Page 1 of 2	2
SWO USE (Se			23	6	🔀 9/10		LANDFILL]
For was	ste characteriz		val, and/or assista			n (SWO) e	nt 5-7898.	_
	(This fo		RED: WASTE GE offs, dump trucks,			rials.)		
Waste Generator:	Dan Tobiaso				Phone Num		3169	
			CAU-116 (igs)		Uer. 295-0		
Location / Origin:	Area 25 Test							-
Waste Category: ([1] Industrial			-
•••		Shi -			FFACO-ons	_	WAC Exception	
	Non-Putres	·		taining Material	FFACO-offs		Historic DOE/NV	
Pollution Preventi Pollution Preventi				il management	Defense Pri	ojects		-
Method of Charac			Clean-Up	nolucie	Process Kn	ouledae T		-
						and the second s	ove TSCA regulator	v l
NTS landfills:			Aedical wastes (ne				······································	
Additional Prohib at the Area 9 U100		Sewage Sluc	dge, Animal carcas	ises, Wet garbag	je (food waste); a	nd Friable	asbestos	
petroleum Acceptable waste Asphait X Plastic X Manufactured it Additional waste a Additional waste a Additional waste a Light ballasts (c	bosal at the Are such as: gasof hydrocarbon; a at any NTS la Metal & Wire & tems: (swamp accepted at th sccepted at th estos & ontact SWO)	ea 6 Hydroca line (no benz and ethylene undfill: Wood [Cable [Cable [Coolers, furm e Area 23 N Non-Fi e Area 9 U1 Drained Drained	tene, lead); jet fuel glycol. Paper Soil Cloth iture, rugs, carpet, Mercury Landfill: riable (contact SW	thave come into diesel fuel, lubr Rocks / unaltere Rubber (excludi Insulation (non- electronic comp Office Wat Office Wat Office Wat Office Wat Office Wat Office Wat Office Wat Office Wat Office Wat Office Wat	contact with petr icants and hydrau ad geologic mater ng tires) Asbestosform) conents, PPE, etc ste	ials X ials X X X aste S <i>E</i> s from sar nderground	Empty containers Demolition debris Cement & concrete Animal Carcasses	
Additional waste a	ccepted at th	e Area 6 Hy	drocarbon Landf	NI: 🗆				1
Septic sludge	🗌 Rags		ained fuel filters (ga	-			e plated oil filters	
Piants	Soil		Idge from sand/oil/			elow 50 pa	arts per million	-
			RED: WASTE GE	-	NAIURE			
nitials: <u>DCC (</u> if in The above mentions (nowledge, does no	ed waste was g	generated of			RCT Initials, This co	ntainer/load	e for Waste Disposal meets the criteria for a adioactive material	no
fo the best of my ki site. I have verified prohibited and allow s approved for disp	this through the waste iter the state waste iter the state iter th	he waste ch ems. <u>I have</u>	aracterization met	hod identified a	Radcor This-co	Manual Tab ntainer/load	meets the criteria for ble 4.2 release limits. is exempt from survey ledge and origin. 10 DATE:	L.
Print Name: DA	N_TOB.F	GOLD		, 1			BN-0646 (1)	0/05)
Signature: /s/ D	an Tobiaso	on		Date: 4/12			elease sticker	
Note: "Food waste, must have sig			rcasses do not req statement with Loa		al clearance. Fre	on-contain	ing appliances	
WO USE ONLY	· · · · · · · · · · · · · · · · · · ·		4	112/11				1
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		(check one)									
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Positio	n Prevend	tion Category	W: (church come)		Clean-Up	all of a second	片	Defense Project Routine		MP	
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To the best of my k site. I have verified prohibited and allo is approved for dis Print Name:	I this through wable waste posal in the l with the state office trash	h the waste c Items. <u>I have</u> landfill. C and animal c	haracterization e contacted Pro	n method idé operty Mana Date: ot require a n h Load Verifi	SIGNAT	This container/l due to profess k URE: See Ori	nowledge a ginal uogucar m ere. Onsit	RRM-0646 (08/06) FRM-0646 (08/06) FRM-0646 (08/06) FRM-0646 (08/06) FRM-0646 (08/06) FRM-0646 (08/06)

.

Low-Level Waste

Certificate of Disposal

This is to certify that the Waste Stream No. LRY5LLFY99020, container number 710909 (QG000872) was shipped and received at the Nevada Test Site, Area 5 Radioactive Waste Management Complex for disposal as stated below.

Theresa Hale Shipped by

/s/ Theresa Hale

WGS Organization Senior Technical Support Title

12-10-08

Date

LALLRA A KINSTAD

Received by

Signature

Organization

Waste Handler Title

/s/ Laura Kinstad

Signature

Date 12.10.08

Certificate of Disposal

This is to certify that the Waste Stream No. LRY5LLFY99020, container numbers 09L007 (QG002890) and 09L008 (QG002886) were shipped and received at the Nevada Test Site, Area 5 Radioactive Waste Management Complex for disposal as stated below.

Theresa Hale Shipped by WGS Organization Senior Technical Support Title

/s/ Theresa Hale

12-10-08 Date

LAURA KINSTRD Received by NSTEC Organization

Waste Handler Title

/s/ Laura Kinstad

Signature

Date D. I. V. 48

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11002	LRY5LLFY99020	10L939	10-4-10

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

light Inspector

/s/ Stephen Wolf

RWMC Signature

Low Level Waste Specilist Title

10-4-10 Date



/0-4-10 Date

(Reference: OP-2151.304)

		_
NSTec		
Form		

FRM-2217

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
5 May 19 3	LRYS-14407002	112.501	10-11-10
		4	
			-
1			
			-
		9	
	L		

This certification is provided as a courtesy to the waste generator for information purposes only.

/0- /1-/0 Date /s/ Theresa Hale WGS Signature 20 9 14131.00 Title /s/ Jon Tanaka 10/11/2 Date **RWMC** Signature WASTE SPECIALIST

(Reference:	OP-2151.304)	
-------------	--------------	--

CERTIFICATE	OF DISPOSAL
(LOW LEV	EL WASTE)

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
St~ 160 -	~ R/=-1/FY07012	112002	18-12-14
			A 21/17/2017
			· · · · · · · · · · · ·
			-
		· · · · · · · · · · · · · · · · · · ·	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

1, 2012 12:22 701 Title

/s/ Jon Tanaka

RWMC Signature

WARTE SPECIALIST Title

200 Date



10-12 -10 Date



NSTec Form FRM-2217

(Referen	ce: OP-2151.304)
(٢.

CERTIFICATE OF	DISPOSAL
(LOW LEVEL V	VASTE)

NSTec

FRM-2217

Form

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPM11005	LRY50002	11L003	10-18-10
TH-10-18-10	TH: 10-11-10		

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECINGT

210 Date



Date

10-18-10

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11006	LRY5LLFY99020	207108	2-2-11
DPL11006	LRY5LLFY07002	207108	2-2-11 2-2-11
		-	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Waste Inspector

Title

/s/ Burton Ford

RWMC Signature

WASTE SUBLIALIST

2-Fs6-2011 Date

2-2-11

Date



(Reference: OP-2151.304)

11

SUENTIST

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11031	LRY5LLFY07002	386339	2/2/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Waste Inspector Title

/s/ Ed Takahashi

RWMC Signature

Title

2

Date

Date



NSTec	
Form	
FRM-2217	

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal		
DPL11110	LRY5LLFY08002	380000, 390000, 410000, 500000, 540000	06-08-11		
	a la constante de la constante				

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Stefan Duke

WGS Signature

ANG

/s/ Jon Tanaka **RWMC Signature**

06-08-2011 Date

6-8-11

Date

ASTES PECIALIST Title

L

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11187	LRY5LLFY99020	11L232	9-14-11
DPL11187	LRY5LLFY99020	11L233	9-14-11
-			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ William Nicosia

WGS Signature

Waste Engineer

Title)

/s/ Louis Gregory

RWMC Signature

LLW Supervisor Title

109-14-2411

Date

Date

9-14-11

Asbestiform Low-Level Waste

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL09049	LRY5LLFY07003	09L068 (QG002891)	9-23-09
DPL09049	LRY5LLFY07003	210000 (Q6002996)	9-23-09
DPL09049	LRY5LLFY07003	210000 (Q6002996) 250000 (Q6003000)	9-23-09
· · · · · · · · · · · · · · · · · · ·			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Ed Takahashi

Signature

23 - SEP - 2009 Date

SURVIS

Title



Instructions:

Shipment Number - enter shipment number from LWIS database. Date of Disposal - enter date waste was placed in disposal cell.

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11030	LRY5LLFY07003	710905	2-7-11 2-7-11
DPL11030	LRY5LLFY07003	710913	2-7-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2-7-11

02.07.2011

Date

Date

Naste Ins pector

/s/ Jon Tanaka

RWMC Signature

LASTE PECIMIST

COP

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

Saltrane etazioez	Waste Stream Identification 3	Package #	fate of Datuosal
DPL11103	18 /5LLF / (1.)	360000	6.20.11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Stefan Duke

WGS Signature

6-8-11 Date

Manager

/s/ Jon Tanaka **RWMC Signature**

Title

Date

VUL Title 1A/3 1

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Hazardous Waste, *Toxic Substances Control Act* Waste, and Universal Waste (Offsite Uniform Hazardous Waste Manifests)

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Plea	ase print or type. (Form designed for use on elite (12-pitch) typewriter.)								MB No. 2050-0039
11	UNIFORM HAZARDOUS 1. Generator ID Number WASTE MANIFEST 373890090001	2. Page 1 of 7			Phone 95-031	1 Manifest		5604	3 FLE
	5. Generator's Name and Malling Address. NETTEC POR UBDOID P.O. BOX D8521, N/8 NTS119 LAS VISIAS Generator's Phone: (782)295-7365		NETTE NEV/	IC FOR U	5008	n maling addres WY 96, M/8 N	#) NT&118 V		
	8. Transporter 1 Company Name MP ENVIRONMENTAL SERVICES					U.S. EPA ID N	lumber C.	AT00062	4247
	7. Transporter 2 Company Name					U.S. EPAID N	kimber		
	8. Designated Facility Name and Sile Address U.S. ECOLOGY					U.S. EPA ID N	lumber	and a statement	
	HWY 95, 12 MILES SOUTH OF BEATTY BEATTY NV 89003 Facility's Phone: (800)239-3943						N	VT3300	10000
	State State <th< td=""><td>, ID Number,</td><td>-</td><td>10. Contail No.</td><td>Type</td><td>11. Totat Cavantility</td><td>12. Unit WL/Vol.</td><td>13. Wi</td><td>ssie Codes</td></th<>	, ID Number,	-	10. Contail No.	Type	11. Totat Cavantility	12. Unit WL/Vol.	13. Wi	ssie Codes
GENERATOR -	Re ^{1.} UN3432, Polychlorinated biphenyls	, solid, 9, 11	I	6	DM	824	K		
- GENEI	x ^{2.} UN1824, Waste Sodium hydroxide so	lution, 8, II		2	DF	112	Ρ	D002	
	x ^{3.} UN3267. Waste Corrosive liquid, b. n.o.s. (ammonia, sodium chromate),	asic, organic. 8, 1		1	. DM	2	P	D007	
	x ^{4.} UN1263, Waste Paint related mater	1a], 3, II		1	DM	222	р	D001	
	ERG171:0097 & 0098 (050 1/11/07,026 ERG154:0047,0224:13-5512. 3. ERG153:018 ERG154:0047,0224:13-5512. 3. ERG155:018 ERG154:0047,024:1048:1048 ERG154:0047,024:13-5512. 3. ERG155:018 ERG154:0047,018 ERG154:0047,018	onlents of this consignment a transport according to applic of the sitached EPA Acknowl	re fully and a sble interneli edgment of C	iccurately de onel and nati consent.	icribed above onal governm	by the proper sh entai regulations.	pping name	, and are classi	fed, packaged,
	Generator's Officers's Printed/Typed Name ON BEHALF OF D	Sigr	uple/				-	Month	Day Year
+	CIRILO CARLOS GONZALES					Gonzal	es	8	2701
TINI	Transporter signature (for exports only):	Export from L	J.S.	Data leavi	ng U.S.:				
PORTER	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name AHES _IETER	Sign	vature /o/	Char	lata	-		Month	
NNSP(CHES JETER	Sigr	/S/	Cries	s Jeter			Month	127107 Day Yest
TR ANSI									
Î	18. Discrepancy 18a. Discrepancy Indication Space Cuantity	Птуре	Dr	lesidue		Partial Rej	ection	Ľ	Full Rejection
1 Z	185. Alternate Facility (or Generator)		Manifi	est Reference	Nymber:	U.S. EPAID I	tumber		
FACILITY						1			
DESIGNATED F	Facility's Phone: 18c: Signature of Alternate Facility (or Generator)			<u></u>		1		Mont	h Day Year
ESIG	19. Hszardous Waste Report Management Melhod Codes (i.e., codes for hazardo	us warte treatment, disposal 3.	, and recyclin	ig systems)		- 14.	.7		
1	H132 H132		H	14/			m	4/	
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous m Printisdifuged Name		iest except at nature	noted in Nes	n 18a			Mont	n Day Year
Į	Mist BRIOK	ſ			ty Bro			10	2007
EP	A Form 8700-22 (Rey 3-05) Previous editions are obsolete.			(DESH	GNATED F	ACILITY TO I	DESTINA	TION STATI	E (IF REQUIRED)

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ease p	rint or type, (Form)	designed for use on elite	e (12-plich) typewriter.) 21. Generator ID Numbe		22. Page	23. Meni	feat Tracking Na		n Approved.	OMB No.	2050-003
••••		tion Sheet)		890090001	of 7		00	0956	043		
	Generator's Name	LAS VEGAS	SDOE 521, M/S NTS NV	110 89193			U.S. EPAID	Vumber			
<u> </u>							1	-			
26.	Transporter						U.S. EPAID	Number	,		
27a. HM	27b. U.S. DOT De and Packing Group		Shipping Name, Hazard Class	s, iD Number,	28. Conteix No.	Type	29. Total Quantity	30. Unit WL/Vol.	31,1	Masie Codes	
×	S. UN1993	, Waste Flamm	mble liquid, n	.0.s., 3, II	1	DM	265	P	D001		D007
×	5. UN1993	, Waste Flamm	able liquid, n	.o.s., 3, II	1	DM	131	P	D001		
RQ	7. UN1263	, Waste Paint	, 3, III (D001	>	1	DH	555	P	D001	Doll	
RQ	8. UN1993 ethyl ket	, Waste Flasm one, toluene)	abla liquid, n , 3, III (DOOl) .o.s. (methy]) .o.s. (methy]), 3, II	1	DM	- 457 557	P	D001	D035	
X	9. UN1993 ethyl ket	, Waste Flamm one, methyl i	able liquid, a sobutyl ketone	.o.s. (methy)), 3, II	2	DM	927	7 P	D001	F003	F005
RQ	10. UN199 silver),	3, Waste Flam 3, II (stront	mable liquid, ium chromate)	n.o.s. (chromium,	1	DH	447	P	D001 F003		D 011
RQ	11. UN199 (terpenes)	3, Waste Flam), 3, III (DO	nable líquid, D1)	n.c.s.	1	DM	210	P	D001		
×	12. UN186	3, Waste Fue]	, aviation, tu	rbine engine, 3.	4	DM	503	P	D001	D018	
×	13. NA199 (kerosene)	3, Waste Comb), III	ustible liquid	, R.O.S.	1	DM	148	P	D010		D01
×	14. UN186	6, Waste Resi	n solution, 3,	III	1	DN	251	P	D001		
9. ER ER	ERG128;00 ERG128;00 G128;0062,0 G127;0185;	uctions and Additional Info 286:13-1015-L1 53,0110:13-10 0069,0105,035 13-1015-LP.	P. 6. ERG128;0 06. 10. ERG128;0 0;13~1495. 13. Load #07010.	077;13-1015-LP. 7 ;0279;13-1006, 11 ERGI28;0099;13-3	. ERG128;(. ERG128;(. ERG128;4 S29.ADD'L	053;13 227;13 CODES:	-0957. 8 -1004. 1 : D024,27	 2. -30,32	28;005 -43. 1	7;13-1 4. CCS.#	192.
	ed/Typed Name			Signature					Mo	nth Day	Year
234.1 Print	Transporter /	Acknowledgment of Receipt	of Materials	Signature]					Mo	nth Day	Year
1.35.	Discrepancy	antikan karangan dini karangan dini di karangan dini di karangan dini di karangan di karangan di karangan di ka		angen von skieren ann segmen om Antikete Kind Ke							
36. I	Hazartin Massie Re	port Management Method (Codes (i.e., codes for heizerd	ous waste treatment, disposed, and i	recycling systems)	H	441	1	th	4/	
б С	H1211	1	thell	1 shell	1	H	11	1	the	11	

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DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

U	INFORM HAZARDOUS WASTE MANIFEST (Continuetion Sheet)	21. Generator 10 Number 1973890090001	22 Page 3 of 7	23. Manife	ist Tracking Nu OC	nter 10956	043		
24	M. Generator's Name NSTEC FOR US P.O. BOX 985 LAS VEGAS	DGE 21, M/S NTS110 NV 89193							
25	25. Transporter Company Name				U.S. EPA ID	Number		***	
28	5. Transporter Company Name				U.S. EPA ID	Number			
	7a. 27o. U.S. DOT Description (including Proper Shi	DIRCH	29. Total	30, UNI	31.1	Vasie Codes			
	M and Packing Group (Fany)) X 15. UN1993, Waste Flamma	ble liquid, n.o.s., 3, 11	No. I	Type DM	Quantity 183	WI.Nol.	D001	D005	DOG
							D011	D018	D01
X	X 16. HA1993, WASTE DTEREI	fuel, 3, 1X1	1	DM	1611	P	D001	D018	
X	X 17. Waste consumer commo	atty, ORM-D	+	DF	,	P	D001		
X	2 18. Waste Consumer Commo	dity, DRM-D	1	DM	91	P	D001	D035	
X	X 19. NA3077, Hazardous wa (chrowium), 9, III	ste, solid, n.o.s.	1	DM	98	P	D007		
X	X 20. NA3077, Hazardous wa chromium), 9, III	ste, solid, n.o.s. (cadmium,	1	DM	6.8	P	D006	D007	
X	X 21. NA3077, Hazardous wa III	ste, solid, n.o.s. (lead), 9	, 2	DM	159	P	D008	F005	
×	X 22. NA3077, Hazardous wa 9, III	ste, solid, n.o.s. (cadmium)	. 1	DM	333	P	D006		
×	x 23. NA3082, Hazardous wa (cadmium), 9, Ill	ste, liquid, n.o.s.	2	0F	487	P	D006		
×	X 24. NA3077, Hazardous wa wethyl ethyl ketone), 9,	ste, solid, n.o.s. (chromium III	, 1	DM	107	Þ	D005	D007	003
E 1	ENG171:0039,0040:13-5522. 2 1025. LOAD #07010.	Mon ADD'L CODES: D021,22,28,35, G171;0318;13-0956, 19, ERG17 2. ERG171;0106;13-1018, 23.	T:ACAO!T3-	LJVQ, 21	J. EMULI	T:A2A5	113-10	LD. XI.	ġ
	33. Transporter Acknowledgment of Receipt of ThreedTyped Name	Signat	61				Mo	nth Day	Yea
	M. Transporter Acknowledgment of Receipt of Privied/Typed Name	MaterialsSignate	fê					nth Day	Yes
35	55. Discrepancy						k uru		
36	8. Hazardous Witele Report Management Method Coc	es (lef, codes for hazardous waste treatment, disposed as	d njoyoting systems)	141	4/		th	ଓର	
		11071 111	and the second se	and the second se					

Plea	ise pr	int or type, (Form designed for use on slite (1	2-plich) typewriter.)						Approved.	OMB No. 2	050-0039
t		FORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	XV38900904	D 01	22. Page 4 of 7	23. Manifa	ist Tracking Hu OQ	mber 09 56 (D43		
	24. (enerplo's Name NSTEC FOR USD P.O. BOX 9852 LAS VEGAS	OE 1, m/s nts110 NV	89193							
	25.	Fransporter Company Name					U.S. EPA ID	Number			
	26.	Transporter Company Name					U.S. EPAID	Number			
	27a. HM	27b. U.S. DOT Description (including Proper Ship and Packing Group (il anyi)	ning Name, Hazard Class, ID Number,		28. Contain No.	ага Туре	29. Total Quantity	30. Unit WR.Mdl.	31. V	inste Codes	
	×	25. NA3077, Hazardous wa (chromium), 9, III	ste, solid, n.o.s.		1	DM	99	P	D005	D007	
	x	26. NA3077, Hazardous wa 9, 111	ste, solid, m.o.m. ((benze ne),	7	DN	872	P	D018		
	x	27. NA3077, Hazardous wa III	ste, solid, m.o.s. ((1ead), 9,	3	DM	400	P	D008		
GENERATOR -	x	28. NA3077, Hazardous wa III	ste, solid, a.o.s. ((lead), 9,	1	DF	102	P	D008		
- GENE	x	29. NA3077, Hazardous wa Chexachlorobutadiene, he	ste, solid, n.o.s. xachlorobenzene), 9	, 111	1	DM	88	P	D030 D034		DQ33 D038
	×	30. NA3077, Hazardous wa methyl ethyl ketone), 9,	ste, solfd, n.o.s. (III	(chrowium,	1	DM	80	P	0007 F005	D018	F002
	×	31. NA3077, Hazardous wa ethyl ketone, toluene),		(methy]	1	DM .	20	P	F005		
	×	32. NA3077, Hazardous wa Tead), 9, III	ste, solid, n.o.s. i	(cadm1um,	1	DM	79	P	D006	D008	
	x	33. NA3077, Hazardous wa chromium), 9, III	ste, solid, n.o.s. ((cadulua,	2	DM	112	P	D006	D007	
	×	34. NA3082, Hazardous wa Tead), 9, III	ste, liquid, m.o.s.	(cadmism,	1	DM	174	P	D006 D019		D018 D029
	2 ER ER ER	pocial Handing Instructions and Additional Informal 5. ERG171;0109;13-1506. 2 3771;0082,0169,0329;13-155 5171;0054;13-1025. 31, ER 5171;0267;13-3528,ADD'L C	6, ERG171;0067.0231 06. 28. ERG171;0103 6171;0056;13-1025. 5026;2030,32-34,36-/	,0278,0327 ;13-1506.2 32. ERG171; 40,42,43.	0328,0348 9. EkG171 0300;13-1 LOAD #070	.0349; 10070; 506.3	13-1025. 14-5295, 3. ERG17	27. ADD'L 1;0303	CODE: ,0304;1	0042. 13-1021	30. 1, 34.
TRANSPORTER	Print	ransporter Acknowledgment of Receipt of N ed/Typed Name		Signature					Mor	nh Day	Year
MSP	34. T	rangporter Acknowledgment of Receipt of A ad/Typed Name	letorials	Signature					Mor	ith Day	Year
P		kscrepancy									
DESIGNATED FACILITY	JJ. L	new report Avy									
GNATEL	36.1	azardous Meste Report Menagement Method &od	e (i.e., codes for hazardous waste treat	menty disposed and re		H	32		412	1/	
DESI		Hit I	141	Hisa	2 L	6	<u>h3a</u>		17	41	
EP/	For	8700-22A (Rev. 3-05) Previous editions are	obsolete.		DESIG	NATED F	ACILITY TO	DESTINA	TION STA	TE (F RE	QUIRED)

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UNI	FORM HAZARDO	designed for use on elite NUS WASTE MANIFEST Ition Sheet)	21. Generalor ID Number IV38900	990001	22.Page 5 of 7	23. Manife	et Tracking Nue		n Approved. D43	0000 (10.	
24. (• • • • • • •	NSTEC FOR US	DOE 21, M/S NTS110 NV	89193							
25.	Transporter	_ Company Name					U.S. EPAIDI	lumber			
28. 1	Transporter	Company Name					U.S. EPAIDI	lumber			
27a. HM	27b. U.S. DOT De and Packing Grou		pping Name, Hazard Clase, ID Nur	rber,	28. Contair No.	ens Type	29. Total Quantity	30. Unit WLAGI	31. V	iasie Coder	;
x	35. NA308 lead), 9,		iste, 114918, n.o	.s. (cadmius,	1	DM	396	P	D006		
x	35. NA308 (pyridine	Z, Hazaroous w , pentachloropi	iste, 114810, 8.0 Menol), 9, III	. 5.	1	DM	397	9	D006	D008	
×	37. NA308 lead), 9,		nste, liquid, n.o	.s. (Cadmittin,	1	DM	363	- P	D006 D015	D008	
X	38. WA308 (pyridine	2, Hazardous w , pentachloropi	15Tê, 11g010, n.o 1enol), 9, III	, 9 .	4	DM	1566	P	D006 D019	0008	
×	39. NA308 (pyridine	Z, Hazardous w , benzene), 9,	iste, Tiquid, n.o III		1	DM	314	9	D018 D024	D019 D025	
×	40. NA308 (pyridine	Z, Hazardous w , pentachloropi	nste, liquid, n.o Nenol), 9, III	. 5 .	1	DM	448	P	D006 D019	D008	
×	41. NA308 (pyridine	Z, Hazardous w , pentachloropi	ste, llquid, n.o nenol), 9, III	.3.	I	DM	443	Ρ.	0005 0018	0006 0019	
	pentach1o	ropheno7), 9, :			1	DM	597	P	D006 D019	D008	
	methanol)	, 9, III	nste, solid, n.o.		1	DF	4	P	F003	F005	
×	44. NA307 cadmium),	7, Hazardous w 9, III	ste, solid, n.o.	s. (barium,	1	ΦМ	128	P	D005 D012	D006	
133. ER	G171;0088;	13-3528. SEE LI	EE LDR FOR MORE 0084,0087,0092,03 08. 41. ERG171;03 RG171;0324;14-529	19;13-3528. S	EE LDR. 33 EE LDR. 42	ERG1	/ 1 i V 3 6 6 i .	しつー ううよ	a. 322	U/X . '	4V,
	Transporter ad/Typed Name	Acknowledgment of Receipt of	Materials	Signature			·.		Mar	ah Day	Yes
Print 34.1 Print	l'ansporter	Acknowledgment of Receipt of	Materials	<u> </u>							
	ed/Typed Name			Signature					Moi	wh Day	Yea
35. (36. †	Discrepancy										
38.1	tezardoue Wate Ra	port Management Method Co	tes (i.f. opties for hazerdous west	e treatment, disposed, and	erycling systems)	H	441		H	41	,
	thi		LALI	H	11	2/1	JI		H	541	/

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DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Ple	ase pr	int or type. (Form designed for use on elite (12-pitch) typewriter.)					Approved.	OMB No. 2	050-0039
1		FORM HAZARDOUS WASTE MANIFEST (Continuation Sheet) 21. Gamma Division Sheet) NV3890090001	22. Page 6 of 7	23. Manife	st Tracking Hu OO	nber 0956(043		•
	24.0	HEREFALLO'S NAME NSTEC FOR USDDE P.O. BOX 98521, M/S NTS110 LAS VEGAS NV 89193							
	25. 1	fransporter Company Name			U.S. EPAD	Humber			
	26. 1	ransporter Company Name			U.S. EPA ID	Number			
	278, HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28, Contain No.	ers Type	29. Total Quantity	30. Unit WL/Vol.	31. V	Vasie Codes	
	x	45. NA3077, Hazardous waste, solid, n.o.s. (barium, pyridine), 9, III	1	DM	400	P	D005		D008
	x	48. NA3077, Hazardous waste, solld, n.o.s. (cadmium,	1	DM	196	P	D006		D030
		lead), 9, III					D032	D033	0034
	RQ	47. NA3082, Hazardous waste, liquid, n.o.s. (silver), 9, III (D011)	8	DM	356	Ρ	D011		
RATOR -	×	48. NA3082, Hazardous waste, líquid, n.o.s., 9, III 49. NA3082, Hazardous waste, líquid, n.o.s. (lead), 9. III (D008)	1	DF	5	P	D007		
- GENE	RQ	49. NA3082, Hazardous waste, liquid, n.o.s. (lead), 9, III (D008)	1	DM	382	P	0008		
	×	50. UN2672, Waste Ammonia solutions, 8, III	1	DF	10	P	0002		
	x	51. UN3264, Waste Corrosive liquid, acidic, inorganic, m.o.s., 8, II	1	DF	2	P	D007		
	RQ	52. UN3264, Waste Corrosive liquid, acidic, inorganic, n.o.s. (ammonium-iron-EDTA), 8, III (D011)	4	DF	200	P	D011		
	×	53. UN1851, Waste Medicine, liquid, toxic, m.o.s. (epinephrine), 6.1, II	1	DF	14	Р	P042		
	RQ	54, UN1993, Waste Flammable liquid, n.o.s. (mineral spirits), 3, III (D001)	14	DM	7406	Р	D001		
	4) COI 49	pecial Handing instructions and Additional Information 5. ERG171:0323:14-5294. ADD'L CODES:0019.20.22-25.28-34. DES:D036.42.47.ERG171:0001.0048.0049.0050.0208.0209.0 ERG171:0228:14-0867.50.ERG154:0079:13-7715-40.51. 5154:0046.0221.0222.0223:14-0867.53.ERG151:0168:13-10	ERG154:01	98:13-3	LO15-LP.	SZ.		5-1016-	1
TER	33. T Print	ransporter Acknowledgment of Receipt of Materials ed/Typed Name Signature					Mo	nth Day	Year
TRANSPORTER	34. Y	ianaporter					<u> </u>		
TRA	Print	od/Typed Name Signeture					Mo	nën Dary	Year
DESIGNATED FACILITY	35.0	iscrepancy		<u></u>					
IGNATE	36 , H	baserdous West Record Menagement Method Codes (1) godes for hazardous waste Instituted Hispored, and n	cycling systems)	ŀ	h32	2	H	32	
DES		H32 H32 H32		14	41	<u> </u>	H	14]	

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsciete.

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1		ORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	NA3880080001		22. Page 7 of 7	23. Manife	et Tracking Nu	mber 10956	043		
	24. (ienenalor's Name NSTEC FOR US P.O. BOX 985 LAS VEGAS	DGE 21, M/S NTS110 NV 8911)3							
	25.	Fransporter Company Name					U.S. EPA ID	Number			
	26.	ransportar Company Name					U.S. EPAID	Number			
	27a. HM	27b. U.S. DOT Description (including Proper Sh and Packing Group (if any))	pping Name, Hazard Class, ID Number,		28. Contain No.		29. Total Quantity	30. Unit WL/Vol.	31, V	Vasie Codes	
			ste, salla, n.o.s. (merc	עיש).	<u></u> 1	Type DF	5	P	5009		
	x	55. NA3082, Hazardous W (mitroglycerim), 9, III	ste, 11qu1d, n.o.s.			DF	14	P	P081		
	L		ste, solid, n.o.s. (1440			DH					
	Î	TII	1316, 30110, 11.0.3. (136 0	<i></i>	-		114	F	D008		
GENERATOR	×	55, NASUBZ, Hazardous w (pyridine, pentachloropi	iste, ingund, n.o.s. Henol), 9, III		1	DM	364			0008 0023	
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	32,5	pecial Handling Instructions and Additional Inform	ion ERG171;0346;13-1067.				NE 79			13-363	
	LD		G. EKUI/1;0348;13-100/.	<i>J7.</i> 2K	#11140343	.113-13	<i>.</i>	280171	.,		
6	33.1	raneporter Acknowledgment of Receipt of	Materials								
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┝	35.0	iscrepency									L
DESIGNATED FACE ITY											
ICNATE	36.)	hzzerdofus Weste Report Management Method Co	tes (i.e., fodes by hezerdous weeks linearment, che 1774/	13-	cycling systeme)	H	41				
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Ple		int or type. (Form desig	1. Generator ID Nu		(el.) · · · · · · · · · · · · · · · · · · ·	2. Page 1 of 3. Eme	ergency Response	Phone	4. Manifest			OND NO. 1	.000-000.
IÎ		ASTE MANIFEST		NV3890090(101	8	(702)29	6-021	1 00	095	609	16 F	LE
11		nerator's Name and Mailin		NV36900904	101		tor's Site Address	(if different th			0.4.0		
11		FEC FOR USDOE	•			NS	TEC FOR US	DOE-N	ada tes	T SITE			
11		BOX 98521, M/S	NTS110				WY 85, 65 MI						
11		S VEGAS rator's Phone: (702)		v . 84	193	1941	ERCURY		NV	r	890	23	
11	Gener	nsporter 1 Company Nam	295-7.365		<u></u>				U.S. EPAID	Number			
		NCHEM				14					100022	08627	
	1000	nsporter 2 Company Nam							U.S. EPAID #	lumber			
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		1. 1. P. W. M.	10%							1			
	8. Des	signated Facility Name and	d Site Address						U.S. EPAID	Number -	•		
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		BUQUERQUE y's Phone: (\$00	NM 87	107						N:	MD0022	08627	
	9a.	9b. U.S. DOT Descriptio	and and the second s		Class, ID Number,		10. Contain	iers	11. Total	12, Unit			
	HM	and Packing Group (if a			20 N N		No.	Туре	Quantity	Wt.Nol.	13.	Waste Code	5
l		1. 1002052	ate Codi	بالم المربط المربط ال	a a Justice	0 **			4 4 5	1	0000		
9 R	X	UN1074, WA	ST6 20010	n hydroxide	BUILTION,	0, 11	2	DF	173	P	D002		
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Ť		2		and the state									
GENERATOR	X			sive liquid,			1	DM	10	P	0001	D002	
ï		(xylene, pol	yotnyiene	bolyamines),	8, (3), 3	11							
1													
	·	3. UN1719. Wa	ste Caust	ic alkali li	auid, n.o.	.s. (sodium	1	DF	23	P	0002		
		hydroxide),	8, II		4	1 10 10 10 10 10 10 10 10 10 10 10 10 10					·		
ł	14						1	·					1
		4. UNZ809, Wa	cto Moreni	W TTT			2	DM .	- 112	4	0009		2.0
ť	-RQ	UNLOUS, WA	ste mercui	y, o, 111			1	DM	112	٣	0009		
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		SENERATOR'S/OFFEROP narked and labeled/placard exporter, I certify that the co certify that the waste mining ator's/Offeror's Printed/Typ	ded, and are in all re ontents of this consi mization statement i	spects in proper conditi gnment conform to the	on for transport accu terms of the attache	ording to applicable inte d EPA Acknowledgment	mational and national and	onal governm	ental regulations			am the Prim	-
1	Genera	ator s/Offeror's Printed/Typ	bed Name	ON BEHALF	OF USDOE	•	ilo Carlo	e Gon	72/06				
ŧ		KILD CARLOS	GUNZALES	\$					20103		0.	2 24	08
	16, Inte	ernational Shipments	import le	U.S		Export from U.S.	Port of ent	ry/exit:					
		porter signature (for export					Date leavin	ng U.S.:					
H		insporter Acknowledgment		als									
R	Transp	orter 1 Printed/Typed Nam				Signature					Mo	th Day	Year
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TR ANSPORTER	Transp	orter 2 Printed/Typed Nam	ne			Signature					Mo	nth Day	Year
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*	18. Dis	crepancy											_
		iscrepancy Indication Space					7					7	
	100.01	service introduct of al	Quanti	ty	Туре	L	Residue		Partial Rej	ection	1	Full Rej	ection
						54 1.12					4		
-	195 44	temple Facility /or Con-				M	anifest Reference	Number:					
5	180. Al	ternate Facility (or Genera	101)						U.S. EPAID	vunider			
FACILITY								19. 19.	1				
L L		's Phone:							TILLO	- ma.a.	200-0		
Ш	18c. Si	gnature of Alternate Facilit	ty (or Generator)			1.000			00112	0 2000	3 0 5 - Mc	onth Day	y Yea
DESIGNATED													
5	19. Häz	zardous Waste Report Mar	nagement Method C	odes (i.e., codes for ha	zardous waste treat	ment, disposal, and rec	ycling systems)						
ii n	1.	11		2. 11.1		3. 1	1111		4.	1111	11		
1		HIUI		HU		I II	141			HIL			
	20. Dec	signated Facility Owner or	Operator: Certificati	on of receipt of hazardo	ous materials covere	d by the manifest excer	ot as noted in Item	18a		11/	<u> </u>		
		I/Typed Name	Δ1			Signature	•				Mo	nth Day	Year
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as T	e p	rint or type. (Form designed for use on elite. (12-6ewriter.) FORM HAZARDOUS WASTE MANIFEST 21. Generator ID Number	22. Page	23. Manif	est Tracking Nun		n Approved.	OMB No. 2	2050-0039
		(Continuation Sheet) NV3890090001	of R		0009	5609	6 FLE		
	24. (Generator's Name NSTEC FOR USDOE P.O. BOX 98521, M/S NTS11D LAS VEGAS NV 89193				×			
	25.	Transporter Company Name			U.S. EPA ID N	lumber			
					U.S. EPA ID N	lumber			
;	26.	Transporter Company Name							
	27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Contair	ners , Type ,	29. Total Quantity	30. Unit .Wt./Vol.	31. V	Vaste Codes	
		5. UN3266, Waste Corrosive liquid, basic, inorganic, n.o.s., 8, III	1	DF	. 2	P	D002	D008	,
	x	6. UN1760, Waste Corrosive liquid, n.o.s., 8, IIX	1	DF	4	Р	D002		
		7. UN2922, Waste Corrosive liquid, toxic, n.o.s., 8, (6.1), III	1	DF	4	P	D002	D003	
	× ·	 UN1814, Waste Potassium hydroxide solution, 8, 11 UN1993, Waste Flammable liquid, n.o.s. (isopropy) a)cohol). 3. TT (2001) 	1	DF	2	P	D002	0008	
R	Q	9. UN1993, Waste Flammable liquíd, n.o.s. (isopropy) alcohol), 3, II (D001)	2	DM	743	P	D001		
2		10. UN1993, Waste Flammable liquid, n.o.s. (mineral spirits), 3, II	1	DF	37	P	D001		
R	Q	11. UN1993, Waste Flammable liquid, h.o.s. (silver, so wethyl isobutyl ketone, methyl ethyl ketone), 3, II (D011)	e 1 e. e	. sa D Mar	249.	. . 1 80 - 11	D001: F005	D011	. F 003
3	٢.	12. UN1993, Waste Flammable liquid, n.o.s. (methyl isobutyl ketone, methyl ethyl ketone), 3, II	3.	DM	977	P	0001	F003	F005
あり		13. UN1863, Waste Fuel, aviation, turbine engine, 3, III	1	DM	295	P	D001	D018	
;	<	14. UN1139, Waste Coating solution, 3, III	1	DM.	275	P .	0001		
111	5. 54 28 27	pecial Handling Instructions and Additional Information ERG 154;#08-0178 LP; RC8319. 6. ERG 154;#07-0394 LP; RC ;#07-0412 LP; RC8319. 9. ERG 128;#07-0405,#07-0406; RC62 ;#08-0122; RC6276. 12. ERG 128;##07-0421,-0431,-0432; RC ;#07-0411 LP; RC8319. LOAD 08011. ransporterAcknowledgment of Receipt of Materials	6319.7. 69.10.E 6276.13.	ERG 154 RG 128 ERG 12	1;#08-003 #08-0087 28;#08-00	8 LP; ;RC62 25;RC	RC8319. 69.11. 6801.1	8. EK Erg 4. Erc	RG 3
		ed/Typed Name Signature					Mo	nth Day	Year
3	4. Tr	ansporter Acknowledgment of Receipt of Materials	· · · · · · · · · · · · · · · · · · ·	· · · ·	F 4	· Kr	· · · · · ·		
-		ad/Typed Name Signature			·	<u> </u>	Мо	nth Day	Year
3	5. Di	iscrepancy			<u>. 118:25</u>				
3	6. H	azardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and re	cycling systems)	414	-11 .	-	410	/	
5								1.	

	int or type. (Form designed for use on elite (12-picewriter.) FORM HAZARDOUS WASTE MANIFEST 21. Generator ID Number * (Continuation Sheet) ***********************************	22. Page 3	23. Manife	st Tracking Nur		5 FLE		
	Senerator's Name NSTEC FOR USDOE P.O. BOX 98521, M/S NTS110 LAS VEGAS NV 89193	of 8				17 8 Bas Jug		
25.	Transporter Company Name			U.S. EPA ID N	lumber			
26.	ransporter Company Name			U.S. EPAID N	lumber			
 27a	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number,	28. Contai	iners		30. Unit			
	and Packing Group (if any)) 15. UN1993, Waste Flammable liquid, n.o.s., 3, II	, No.J ,	, Type .	Quantity	Wt./Vol.		Vaste Codes	
x	12, UN1993, WASTE Flammadie Iiduid, N.D.S., 3, 11	2	MU	348		D001		
x	16. UN1993, Waste Flammable liquid, π.o.s., 3, II	1	DM	121	P	D001	D008	D035
x	17. UN1263, Waste Paint, 3, II	1	DM	171	P	D001	D035	
x	18. UN1993, Waste Flammable liquid, n.o.s., 3, II	1	DM	179	P	D001	D007	D001
			ļ			D018	D035	
X **	19. UN1993, Waste Flammable liquid, n.o.s., 3, II	1	DM	179	P	D001	D011	D011
	****	yk.				D035	U154	
x	20. UN1993, Waste Flammable liquid, n.o.s., 3, III	1	DM	121	P	D001	D005	
X	21. UN1993, Waste Flammable liquid, n.o.s., 3, II	, , 1 , , , ,	DM.	171	• P • • •	0001	D035	*: .
x	22. UM1993, Waste Flammable liquid, n.o.s., 3, II	1	DM	135	P	0001	D018	U154
¥.	23. Waste Consumer commodity, ORM-D	1	DM	214	P	D001	D004	000
~		-				D006	D008	
	24. Waste Consumer commodity, GRM-D	1	DF	86	P	D001	0005	
						D008	D018	D03
15 18. 128 201	becial Handling Instructions and Additional Information . ERG 128; ##08-0090, -0181 LP;RC8319. 16. ERG 128; #08-0 ERG 128; #08-0182 LP;RC8319. 19. ERG 128; #08-0183 LP;R ; #08-0184 LP;RC8319. 22. ERG 128; #08-0143 LP;RC8319. 2 8, D035; RC6271. 24. ERG 171; #08-0180; RC6271. LOAD 08011 ansporterAcknowledgment of Receipt of Materials	3. ERG 17	28319. 1 2. ERG 1 71;#08-0	17. ERG 1 128;#07-0 179;ADD	28;#0 419 L L COD	8-0117 P;RC833 ES	LP;RC1	3319. ERG
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<u>и</u> т.	ansporter Acknowledgment of Receipt of Materials	+	; ; ;		• क			
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e		print or type. (Form designed for use on elite (12-prewriter.) IFORM HAZARDOUS WASTE MANIFEST 21. Generator ID Number	22. Page	23. Mani	fest Tracking Nu	nber	h Approved.	OWR NO. 2	2050-0039
	01	(Continuation Sheet) NV3890090001 Generator's Name	of B		0009	5609	6 FLE		
	24.	NSTEC FOR USDOE P.O. BOX 98521, M/S NT5110 LAS VEGAS NV 89193							
	25.	Transporter Company Name			U.S. EPAID I	Number		,	
					U.S. EPAID I				
	26.	Transporter Company Name			U.S. EFAIDI	Number			
	27a. HM		28. Contair	ers	29. Total Quantity	30. Unit Wt,/Vol.	31. V	Vaste Codes	
-	v	25. UN1760, Waste Corrosive liquid, n.o.s., 8, II		DF	52	P	D002	·	
	^							· · · ·	
	x	26. UN2817, Waste Ammonium hydrogendifluoride, solution, 8, (6.1), II. Toxic,	1	DF	7	P .	D002		
and the second se	RQ	27. UN2794, Waste Batteries, wet, filled with acid, 8, III (D008)	. 1	DF	400	P	.D002	D004	D008
	X	28. UN2800, Waste Batteries, wet, non-spillable, 8, III	1	DF	25	P	D002	5008	D011
	X	29. UN3264, Waste Corrosive liquid, acidic, inorganic, n.o.s. (ammonium-iron-EDTA), 8, III	1	DE	137	P.	D011		
	x	30. NA3082, Hazardous waste, liquid, n.o.s. (pentachlorophenol, pyridine), 9, III	1 ⁰⁵	DM	278	Р	D005	D006	D008
							D012	0015	D018
	X	31. NA3082, Hazardous waste, liquid, n.o.s. (arsenic), 9, III	54 (18 .)*	DM ·	5887	• P • • •		. уластика 1944 - Сел	- 1944
	RQ	32. NA3082, Hazardous waste, liquid, n.o.s. (barium, di-n-butyl phthalate), 9, III (di-n-butyl phthalate)	3	DM	1582	Ą	D005		
	*x	33. NA3082, Hazardous waste, liquid, n.o.s.	2	DF	451	P	D006		
		(cadmium), 9, III							
	X	34. NA3082, Hazardous waste, liquid, n.o.s., 9, III	1	ÐF	10	P · .	D006	0022	
	25 004 D03 040	J pecial Handling Instructions and Additional Information 5. ERG154;#08-0186 LP;RC8319. 26. ERG154;#08-0159;RC832 19;RC6279. 29. ERG154;#06-0187;RC8323. 30. ERG171;#07-0 34,D036-D043;RC8321. 31. ERG171;##07-0370THRU-0384,08-0 07THRU-0409;RC8320. 33. ERG171;##08-0041,-0115;RC6937. ransporter Acknowledgment of Receipt of Materials	1368; ADD'L 10440046	CODE5	D019,D02	20,002 32. El	3-D025, RG171:4	D028-	
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-	34. Tr Printe	ransporter Acknowledgment of Receipt of Materials ed/Typed Name Signature ransporter Acknowledgment of Receipt of Materials ed/Typed Name Signature			* * ·		Mor	nth Day	Year
-		ijscrepancy			ه هر چیره و . بر بور ۲۰ فیم به				
•	36. H	lazaldows Waste Report Management Method Codes (I.e., podes for hazardous waste treatment, dispesal, and re	cycling systems)	+11	41	<u> </u>	HI	41	
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sé print or type. (Form designed for use on elite (12-picewriter.) UNIFORM HAZARDOUS WASTE MANIFEST 21. Generator ID Number	22. Page	23. Manife	st Tracking Nu		Approved.	OMB No.	2050-003
(Continuation Sheet) NV3890090001	of 8				FLE		
24. Generator's Name NSTEC FOR USDOE P.O. BOX 98521, M/S NTS110 LAS VEGAS NV 89193		¢					
25. Transporter Company Name			U.S. EPA ID	Number		•	
26. Transporter Company Name			U.S. EPA ID	Number			
27a. 27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number,	28. Contai	ners	29. Totai	30, Unit			
HM and Packing Group (if any))	<u>Νρ.</u>	"Туре ,	Quantily	,Wt./Vol.	<u>د</u> ريه. ∣	/aste Code	s 1
X 35. NA3082, Hazardous waste, liquid, π.o.s. (chloroform, potassium phosphate (monobasic)), 9, III	1	DF	9	P	D022		
x 36. NA3082, Hazardous waste, liquid, n.o.s., 9, III	1	DF	5	P	D007		
X 37. NA3082, Hazardous waste, liquid, n.o.s. (chromium), 9, III	1	DM	266	р	D007		
X 38. NA3082, Hazardous waste, liquid, n.o.s. (lead), 9, III	2	DM	332	Ρ	D008		
x 39. NA3082, Hazardous waste, liquid, n.o.s. (silver), 9, III	1	DF	549	F	D011		
X 40. NA3082, Hazardous waste, liquid, n.o.s., 9, III	1	DF	8	P	D011	•	
<pre>X 41. NA3077, Hazardous waste, solid, n.o.s. (arsenic), 9, III</pre>	·	(<u>)</u> (DM)	- 51,1	·. P ():	: D.0.0,4		
x 42. NA3077, Hazardous waste, solid, n.o.s. (cadmium), 9, III	1	DM	70	P	D006		
x ^{#4} 43. NA3077, Hazardous waste, solid, n.o.s. (cadmium), 9, III	1	DM	143	P ·	D006		
		<u>.</u>	·.				
Q 44. NA3077, Hazardous waste, solid, n.o.s. (chromium), 9, III (D007)	1	DM	121	9	D007		ļ
32. Special Handling Instructions and Additional Information 35. ERG 171;#08-0042;RC8340. 36. ERG 171;#08-0190 LP;RC83 171;##08-0034,-0052;RC6285. 39. ERG 171;#08-0188;RC6894. 171;##07-0385THRU-0387,08-0045,-0047;RC8318. 42. ERG 171;# 44. ERG 171;#07-0415;RC8318. LOAD 08011.	40. ERG 🔅	171:#08-	-0191 LP	: 8Ċ831	9.41.	ERG	
33. Transporter Acknowledgment of Receipt of Materials Printed/Typed Name Signature					Mor	nth Day	y Year
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34. Transporter Acknowledgment of Receipt of Materials Signature Signature [- ,		ат. 	7.7	Mor	ith Day	y Year
35. Discrepancy					ł		<u></u>
36. Hazardous Wagte Report Management Method Coder (i.e. roddes for hazardous waste treatment, disposal jahd fec	ycling systems)	++	1411		+11	ЦŢ	
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	24. 0	Generator's Name P.O. BOX 98521, M/S NTS110 LAS VEGAS NV 89193							b.
;	25. 1	Transporter Company Name			U.S. EPA ID	Number			
					U.S. EPA ID	Number			
2	26. 1	ransporter Company Name							
	7a.	and Darding Orning (County)	28. Contai		29. Total	30. Unit	31. \	Vaste Code:	3
	₩ X	and Packing Group (If any)) 45. NA3077, Hazardous waste, solid, n.o.s. (chromium,	• No. • • 4	DM	Quentity -	Wt./Vol.	D007		
		lead), 9, İII							
R	Q	46. NA3077, Hazardous waste, solid, n.o.s. (benzene, chromium, methyl ethyl ketone), 9, III (D007)	1	DM	111	P	D007	D018	D035
R	Q	47. NA3077, Hazardous waste, solid, n.o.s. (chromium, methyl ethyl ketone), 9, III (D007)	1	DM	87	P	D007	D035	
2		48. NA3077, Hazardous waste, solid, n.o.s. (lead, isobutanol), 9, III	2	D₩	131	P	D008	F005	
2	x	49. NA3077, Hazardous waste, solid, n.o.s. (lead), 9,	2	DM	311	P	D008		
*-			· · · · · ·	• .				•	
2		50. NA3077, Hazardous waste, solid, n.o.s. (benzene), 9, III	. 9	DM.	884	Р	D018		
2	×	51, NA3027, Hazardous, waste, solid, n.o.s. (benzene), 9, III		DF	23		D018		· 1 •
>	×	52. NA3082, Hazardous waste, liquid, n.o.s. (nitroglycerin solution), 9, III	1	DF	2	P	P081		
,	C.	53. UN1475, Waste Magnesium perchlorate, 5.1, II	1	ÐF	. 9	P	D001		-
	K	54. UN1444, Waste Ammonium persulfate, 5.1, III	1	DF	7	P /	D001		· · ·
		ST DALITY, WAS COMMONICUM PULSALIACO, S.I., III.	-				DOUL		
005	45 12 36 2.	Decial Handling Instructions and Additional Information ERG 171; ##08-0097, -0098, -0103, -0104; RCS318, 46, ERG 1; RCS318, 48, ERG 171; ##07-0389, -0390; RCS318, 49, ERG 4, -0414,08-0024, -0060, -0112THRU-0114, -0118, -0120; RCS33 ERG 171; #08-0076; RC6312, 53, ERG 140; #07-0428; RC7929,	171;##08- 8. 51. EB	-0035,-0 171:0	084;RC8	318, 50 3,08-00	0. ERG 07301	171;##	07- 318.
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)(6. Ha	izardous Weste Report Management Method Codes [i.e., godes for hazardous waste treatment, disposal and re	cycling systems)	1111	11			717	
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24:	Generator's Name NSTEC FOR USDOE P.O. BOX 98521, M/S NTS110 LAS VEGAS NV 89193	of 8						
25.	Transporter Company Name			U.S. EPA ID	Number			
26.	Transporter Company Name			U.S. EPA ID	Number			
27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Conta No.	iners	29. Total	30. Unit , Wt.(Vol	31.V	Vaste Code	s.
x	55. UN3139, Waste Oxidizing Hiquid, n.o.s. (manganese dioxide), 5.1, III	1	DF	15	P	0001	D018	
x	56. UN1493, Waste Silver nitrate, 5.1, II. Solution.	1	DF	6	P	D001	D011	
x	57. UN1956, Waste Compressed gas, n.o.s. (chlorodifluoromethane, isocyanates), 2.2	1	DF	22	P	D003		
X	58. UN1956, Compressed gas, n.o.s. (pentafluoropropane, tetrafluoroethane), 2.2. Non- RCRA.	1	DF	21	P			
X	59. UN1078, Refrigerant gases, n.o.s. (dichlorodifluoromethane, chlorodifluoromethane), 2.2. Non-RCRA.	1	DF	69	P			
x	60. UN1888, Waste Chloroform, 6.1, III. Toxic.	1	DF	10	P	0022	0044	
×	61, UN1851, Waste Medicine, liquid toxic, n.o.s. (epinephrine), 642, 11 According to the former of	1 -	DF	<u> </u>	P	P042	* *	
x	62. Waste Consumer commodity, ORM-D	1 ·	DF	4	P	D001	D035	
1	63. Non-RCRA Regulated Liquid. Non-DOT.	2	DF	784	₽ ⁱ		•	
	64. Non-RCRA Regulated Liquid (Arathane 5753A), Non- DUT,	1	DF	2	P	· · · · · · · · · · · · · · · · · · ·		
5 00 15 L0/ 33.1	Special Handling Instructions and Additional Information 5. ERG 140;#08-0028; RC8332. 56. ERG 140;#08-0093; RC8331 22 NON-RCRA; RC8343. 59. ERG 126;#07-0369 NON-RCRA; RC833 1;#08-0075; RC6310. 62. ERG 171;#08-0192; RC8337. 63. ##0 AD 08011. Transporter Acknowledgment of Receipt of Materials	4. 60. Ei	RG 151;	#07~0425	LP;RC	8319. (8-0083	31. ER RC83	G 36.
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36. I	azardous Wasle Report Management Method Godes (i.e., opdes for hazardous waste treatment, disposal and rec	cycling systems)	++++	JI		++1	41	
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24. Generator's Name NSTEC FOR USDOE P.O. BOX 983231, M/S NTS110 E9193 25. Transporter Company Name U.S. EPAID Number 26. Transporter Company Name U.S. EPAID Number 27a 27b, US, DOT Description (nuclimg Proper Shipping Name, Hazard Class, D. Number, Hazard, Hazard, Hazard, Hazard, D. Number, Hazard, Hazard, Hazard, H	UNI	FORM HAZARDOUS WASTE MANIFEST 21. Generator ID Number	22. Page 8	23. Mani	-	nber				
25. Transporter Company Name US.EPA.ID Number 26. Transporter Company Name US.EPA.ID Number 27. Transporter Company Name US.EPA.ID Number 27. Transporter Company Name US.EPA.ID Number 28. Transporter Company Name US.EPA.ID Number 28. Transporter Company Name US.EPA.ID Number 28. Transporter Company Name US.EPA.ID Number 27. US.DOT Descliption (inducing Proper Shipping Name, Hazard Class, ID Number, and Packing Group (Family) 28. Transporter 29. Total 30. Ubil NUMBER 55. Non-RCRA, Non-DUT Regulated Liquid 13 DM 3542 P		Generator's Name NSTEC FOR USDOE P.O. BOX 98521, M/S NTS110						τ.		
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27a. 27b. U.S. DOT Description (notuding Proper Shipping Name, Hazard Class, ID Number, and Packing Group (f am)) 29. Containers 30. Unit MU.Dot. 31. Woold Codes 55. Non-RCRA, Non-DOT Regulated Liquid 13 DM 35.42 P					U.S. EPA ID 1	Number				
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III. Non-ACRA.										
68. Universal waste - Metal Halide Lawps 3 DF 157 P	X	66. UN2922, Corrosive liquid, toxic, n.o.s. (dimethylmethylenebis (cyclohexylamine)), 8, (6.1), III. Non-RCRA.	1	DF	2	P				
		67. Universal Waste - Fluorescent Lamps	1	DF	74	P		· · ·		
	· •••	68. Universal Waste - Metal Halide Lamps	3	DF	157	P				
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32. Special Handling Instructions and Additional Information 65. ##08-0063THRU-0068,-0077THRU-0082,-0175; RC8336. 66. ERG 154;#08-0125;RC8338. 67. #08-0193, 268 LF ACC.DATE \$/4/07. RC6814. 68. ##08-0194,-0195,&-0196. ACC.DATE 7/27/07. RC6320. LOAD 08011.	<u>32. S</u>	Decial Handling Instructions and Additional Information			L				ļ	
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5. Transporter 1 Company Name MP ENVIRONMENTAL					U.S. EPAID		AT0006	24247	
7. Transporter 2 Company Neme					U.S. EPAID	Number			
3. Designated Facility Name and Site Address	A REAL PROPERTY OF THE REAL PR				U.S. EPA ID	Number			
U.S. ECOLOGY									
HWY 95, 12 MILES SOUTH OF BEATTY BEATTY NV 89003 acity's Phone: (800)239-3943					1		NVT3300	10000	
Ha. St. U.S. DOY Description (Including Proper Shipping Na and Packing Group (If any))	me, Hazard Class, ID Number,		10. Contair No.	iers Type	11. Total Quantity	12. Unit WL/VoL	13,	Waste Code	18
RQ ^{1.} UN2809, Waste Mercury, 8, II	1		1	DF	2	. P	D009		
x ² UN1719, Waste Caustic alkalf	liquide n.o.e. (9 **	1		204	<u> </u>	D002		
WILLIS, WASTE CONSTIC AIRAIN	udanast storari (v,	1	DF	204	P	0002		
RQ ^{3.} UN3432, Polychlorinated biph	emyls, solid, 9, II	11	7	DM	720	ĸ			
	enyls, 11qu1d, 9, 1	111	1	DM	29	ĸ			
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	24. 0	Senerator's Name	NSTEC POR USDO P.O. BOX 98521 LAS VEGAS		8919 3						Þ	
	25.	Transporter	_ Company Name					U.S. EPAID	Number			
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	27a. HM	27b. U.S. DOT De and Packing Grou		hipping Name, Hazard Class,	1D Number,	28. Contain No.	ers Type	29. Total Quantity	30. Umit WL/Vol.	31. 1	Waste Code	3
		5. UN1268,	Waste Petroleu	m distillates, r	a.o.s., 3, 11	2	DM	491	P	D001		
	×	6. UN1993,	Waste Flammabl	e liguid, n.o.s.	., 3, 11	1	DM	149	P	D001	0018	D035
	×	7. UN1993, ketone, me	Waste Flammabl	e liquid, n.o.s. ne, toluene), 3,	. (methyl isobuty) , II	3	DM	1304	P	D001	F003	F005
GENERATOR -	×	8. UN1760, acid, isop	Waste Corrosiv ropyl alcohol),	e liquid, n.o.s. 8, II	. (hydrochlor1c	2	DF	752	P	D002		
- GENE	×	9. UN1760,	Waste Corrosiv	e líquid, n.o.s.	., 8 , 11	1	DM	102	P	D002		
	×	10. NA3077	, Hazardous was	te, solid, n.o.s	s. (lead), 9, III	2	OM	382	P	D008		
	×	11. NA3077 111	, Hazardous was	te, solid, n.o.s	i. (benzene), 9,	S	DM	717	P	D018		
	×	12. NA3077 III	, Hazardous was	te, solid, n.o.s	s. (benzane), 9,	1	DM	71	P	0018		
	x	13. NA3082	, Hazardous was	te, liquid, n.o.	.s., 9, III	1	DF	2	•	D007		
	x	14. NA3082	, Hazardous was	te, liquid, n.o.	.s., 9, 111	1	DF	9	P	D035		
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EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

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	24.0		NSTEC FOR USDOE P.O. BOX 98521,	N/S NTS110	89193							
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3.... ase print or type . (Ferm designed for use on elite (12-pitch) typewriter.) Form Approved, OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number 2. Page 1 of 3, Emergency Response Phone 4. Manifest Tracking Number 000956143 Sec. 1 6 (702) 295-0311 WASTE MANIFEST NV3890090001 Generator's Site Address (if different than mailing address) 5. Generator's Name and Mailing Address NETEC FOR USDOE NETEC FOR USDOE P.O. BOX PEEZI, M/S NT811 MEVADA TEST SITE, HWY 95 RITIK MERCURY WV 30022 LAS VEGAS NV Generator's Phone: (702)225-7365 -6. Transporter 1 Company Name U.S.:EPA ID Number CAT000624247 MF ENVIRONMENTAL 7. Transporter 2 Company Name U.S. EPAID Number US EPA ID Number 8. Designated Facility Name and Site Address مان مسينة ومن أو المراجع المان ا المان الم atterne with ELIS BOULOGY HAY 95, 12 MI. SOUTH OF BEATTY any front of NV 89003 BEATTY NVT330010000 Facility's Phone: (800)239-3943 :9b. U.S. DOT: Description (including Proper Shipping Name, Hazard Class, ID Number, 10 Containers 11. Total -12, Unit .9a 13. Waste Codes and Packing Group (if any)) Wt.Nol HM No. Quantity Type "UN1760, Waste Corrosive liquid, n.o.s., 8, II. D002 35 P 3 DF х GENERATOR abpack. EKG 154. ² UN1824, Waste Sodium hydroxide solution (20-30%), 8, 11. D002 1 DF 56 P X ERG 154. ilier ³ UN3432, Polychlorinated biphenyls, solid, 9, III. RD 2 Tel. 127 K SKG 171. 1 4 UN1993, Waste Flammable Tiquids, n.o.s., 3, IT. D001 0035 D()43 3 DM 144 P x abpack. ERG 128. u239 14, Special-Handling-Instructions and Additional Information 1 NSINTS-09-0017 12 13-0015 2 NS-NTS-08-0240;13-3512 3 NS-NTS-08-0260;13-3512 3 NS-NTS-08-0265 2050 3228 /082 09-0013 (050 10/14/06):13-1022. 4. WS-NTS-09-0008:LP 13-101>. LOAD 09001. 15. «GENERATOR'S/OFFEROR'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/placarded, 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, is certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. entity that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. ON BEHALF OF THE USDUE Generator's/Offeror's Printed/Typed Name Month Dav Year CINTUD CONTRACTOR 27 16 International Shipments Import to:U.S. 2-15 "我们的是 Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month Yea Day ESJE 1/s/ Ches Jeter 01 127 109 ANSPO Transporter:2 Printed/Typed:Name Signature Mont Year NEW XIER R. 18. Discrepancy 188 Discrepancy Indication Space year - 4 Countily and in a second s Rartial Rejection the start she will be the There and the second 194 Manifest Reference Number 18b. Alternate Facility (or Generator) FACILITY U'S EPAID Number Facility's Phone: E 18c. Signature of Alternate Facility (or Generator) Day Month Year

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

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EPA Form 8700-

3 2 A 2 - 23 20. Designated Eacility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a tes Woed Name Signature

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27a. HM	27b. U.S. DOT Description (including Proper Shipp and Racking Group (if any))	ing Name, Hazard Class, ID Number,	.28 Contai	iers Type	Quantity	30. Unit Wt./Vol. *	. <u>.</u> 31.1	Waste Codes	;
X	5. UN1993, Waste Flammable	liquids, n.o.s., 3, II.	1	DM	225	AP 6	.0001	.:D007	D001
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×	6. Waste Consumer Commodity	ORK-D.	1	:DF	130	; p	D001	.D004	·D00
	ERG 171.	, <u> </u>					D006	D008	000
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RQ	7. UN1263, Waste Paint rela ERG 128.	ted material, 3, 11 (DDUL).	1	DM .	340	• • P •	D001	F003	F00!
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₿. S	9. UN2800, Waste Batteries, Lead-acid batteries. ERG 15	wet, non-spillable, 8, III. 4.	· 1	DF	5.0	₽	D002	D004	000
1	10. UN3264, Waste Corrosive n.o.s. (ammonium-iron-EDTA) ERG 154.	\$ ***	1	DF	50	P	D011		
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RQ	12. UN1718, Waste Butyl aci	d phosphare, 8, III (DO02).	1	DM	104	÷ 4	D002		
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×	a the second	, solid, n.o.s. (cadmium), 9,	1	DF	28	P	D006		
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2	7a, 27b. U.S. DOT Description (including Proper Shi		28. Contai	ners ;		.30. Unit	21 1	Waste Codes	
1	IM and Packing Group (If any))	the second s	No	- Туре з	Quantity	re ₩L:/Vol. ₹			
	X 15. NA3077, Hazardous wast chromium), 9, 111. ERG 171.	e, solid, n.c.s. (cadmium,	.2	DM	152	P	3000s	D007	
	X 16. NA3077, Hazardous wast ERG 171.	e, solid, n.o.s. (lead), 9, III	. 1	DF	7.0	P	D008		
	X 17. NA3077, Hazardous wast ERG 171.	e, solid, mao.s. (lead), 9, III	, 2	DH	164	P	/D008		
	X 18 NA3077, Hazardous wast	e, solid, n.o.s. (lead), 9, III	. 1	· · · DF :	3		D008		
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	X 19. NA3077, Hazardous wast Labpack. ERG 171,			DF	18	••	D007.	 	
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.3	5. Discrepancy						<u>}</u>	<u>_</u>	
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	NSTEC FOR USDOE P.D. BOX 98521 LAS VEGAS								
2	25. Transporter Company Name				U.S. EPA ID	Number			
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Ľ	6. Transporter Company Name				1				
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5	29. UN2468, Waste Trichlor ERG 140.	oisocyanuric acid, dry, 5.1, II		DF	27	P	0001	-	1
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0	2. Special Handling:Instructions.and Additional Informa 25. NS-NTS-09-0014;12-7446-1 247;119.13-1015, 29. NS-NTS-0	22. 26. NS-NTS-08-0237,-0238;13- 8-0275;15-7574. 30. NS-NTS-08-02 5-NTS-08-0252;LP 13-1016. 34. NS	48;LP 13-10	15. 31.	NS-NTS-C	9-0015	:LP 13-	-1015.	5-08- 32. N
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	se print or type: (Form designed for use on elite i UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet) 24 Generator's Name	(12-pitch) typewriter.) 21. Generator ID Number	90001	22. Page 5	23, Manif	est Tracking Nu	nber ECAA	3 FLE	. OMB No. 2	
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	Р.О. BOX 98521, LAS VEGAS	M/S NTS110 NV	89193	,						
Ţ	25. Transporter Company Name					U.S. EPA ID I	Number			
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	37. Universal Waste - Fluo 7.745 linear feet.	rescent Lamps.		13	DF	1408	P	-		
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_	38 Adniversal waste - Brok 25-gallegs	en Fluorescent Lam	ps.	2 	DF .	38	* * * · · ·			ļ
-	X 39 UN3028, Batteries, dry	containing potas	sium hvdroxide	3	DF	.89	P			
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1.1	universal waste - Wet NiCd x 41 UN3090, Lithium batter	Batteries. ERG 15	the second s	ะประวาทสัตว์เหตุรู้ได้หญ้ เหตุราชชาติเรื่อง การเรื่อง	an in the second se	Aturnation and	and the second sec	e - Carlante y	1	
100 m 10	x 41. UN3090, Lithium batter Universal Waste - Lithium	y, 9, II. Batteries. ERG 138.	• • • •	and I and	DE	58****	e si forme		alaring a sing	به توساقية
	RQ 42. NA3077, Hazardous wast (D008). ERG 171.	e, solid, n.o.s. (1	lead), 9, III	9	DM	3892	P	D008		
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1	ERG 171.			•				D007	0008	-D00
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	Labpack. ERG 171.		··· ·				, . 2	D007	D008	0010
	32. Special Handling Instructions and Additional Informa 35. NS-NTS-08-0284; 13-1505. 0049; 13-0167. 38. NS-NTS-09-00 1078. 41. NS-NTS-09-0035; 13-10 0010THRUD043; 13-3442. 44. NS-I	36, NS-NTS-08-0267; 223,-0040;13-0168, 279, 42, NS-NTS-09- NTS-09-0038;ALSO DO	39. NS-NTS-09- 0027THRU-0033, 11THRUD043;LP	0024,-0034 -0036,-003	,-0039: 7:13-15	13-0169. 06. 43. M	40. NS	-NTS-08	3-0236:1	<u>13</u> -
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26. Transporter	Company Name					U.S.;EPAID	Number			
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	Report Management Method Cpc	les (i.e., codes for hazardous wast	e treatment, disposal, and.	recycling systems)		, ε	5 4	. 1 ~		

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1	WASTE MANIFEST WV3890090001	2. Page 1 of		ncy Response	5-0311		095	622	8 F	LE
	5. Generator's Name and Mailing Address					n mailing addre				
	NSTEC FOR USDOE			C FOR U						
	P.O. BOX \$8521, M/S MN35118 LAS VEGAS NV \$9193			ada nati Cuny	onal se	CURITY SI	a contraction and a second	'95 890	79	
	Generator's Phone: (182)190-7385									
	6. Transporter 1 Company Name					U.S. EPA ID		AT0006	14747	
	M.P. FNVTRONMENTAL SERVICES		i de de calendaria de calen							
	7. Transporter 2 Company Name					U.S. EPA ID	lumber			
						L				
	8. Designated Fachty Name and Site Address					U.S. EPA ID	vumber			
	U.S. ECULOW HWY 95, 12 ML. SOUTH OF BEATTY									
	BEATLY NV BYING					i.				
	Facility's Phone: 1600/1233-1043						·	NVT3300	10000	
	9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, HM and Packing Group (if any))		- H	10. Contair		11. Total Quantity	12. Unit WL/Vol.	13.	Waste Code	
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11	14. Special Handling Instructions and Additional Information									
11	J. ERG 1/1; BIN 6149 #NS-NS5-11-0008, & BIN 6150 /	#NS-NS5	-11-000	9; PROF	ILE 13-1	81/. 10	AD #110	01.		1. 10
11										97.95
	15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this	mainmart	am hilk and	accurately do	anihad about	by the proper of		and are de	ecified anoth	
	 GENERATOR STOPPEROR S CERTIFICATION. Thereby decare that the contents of this marked and lebeled/placarded, and are in all respects in proper condition for transport acco 									
	Exporter, I certify that the contents of this consignment conform to the terms of the attached I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large				a anatik oor	orator) is taxo				
11	Generator's/Offeror's Printed/Typed Name	Si	gnature,	(in Faint a Serie	in dooring got	610101/13 200.		Мо	nth Day	Year
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AN	C Transporter 2 Printed/Typed-Name	S	gnature					Mo	nth Day	Year
E										
It	18. Discrepancy									
Ш	18a. Discrepancy Indication Space Quantity Type			Residue		Partial Re	jection		Full Rej	ection
11										
1	18b. Attemate Facility (or Generator)		Man	fest Reference	e Number:	U.S. EPA ID	Number			
No.	C Engliste Diana					1				
0	Facility's Phone: 18c. Signature of Alternate Facility (or Generator)							M	onth Day	/ Year
AT								1	1	1
DESIGNATED FACILITY	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treat	ment, dispos	al, and recvo	ing systems)						1
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1	1 H139									
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covere	d by the mar	nifest except	as noted in Iter	m 18a					
	Printed/Typed Name	S	ignature					M	onth Day	Year
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EPA Form 8700-22 (Nev. 3-05) Previous eat ons are ons

DESIGNATED FACILITY TO GENERATOR

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1		ORM HAZARDOUS 1.G	enerator ID Numb	er V3890090001		1		gency Response (702)29	5-0313	4. Manifest	095	mber 6622	9 F	LE
	NST P.O	nerator's Name and Maiking Ad TEC FOR USDOE D. BOX 98521, M/8 Ni S VEGAS ator's Phone: (702)295	dress N88110 NV	8919			Generato	rs Sile Address (TEC FOR U VADA NATI RCURY	BDOE	an mailing addre	⁵⁸⁾ TE, HW1			
		nsporter 1 Company Name P. ENVIRONMENTAL								U.S. EPAID		CAT0006	24247	
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	v.:	signated Facility Name and Sile S. ECOLOGY Y 95, 12 MI. SOU		πγ						U.S. EPAID I	Nuarber			
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		3.												
		4.												
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FACILITY										Ĩ.				3
DESIGNATED F	Facilit 18c. S	y's Phone: Ngnature of Allernate Facility (o	n Generator)					4				Mo	nth Day	Year
SIGN	19. Ha	azardous Waste Report Manag	ement Method Co	des (I.e., codes for hazan	dous waste treat	ment, disposal	l, and recy	cting systems)			****			J
- DE	1.	#132	2			3.				4.				
		esignated Facility Owner or Op	erator: Certificallo	n of receipt of hazardous	materials covered	-	0	t as noted in Item	n 18a					
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EPA	Form	8700 22 (Rev. 3-05) Previ	ious editions ar	e obsolete.				DESIG	NATED F	ACILITY TO	DESTINA	TION STA	TE (IF RE	QUIRED)

A UNIFORM HAZARDOUS 1. Generator ID Number							n Approvec.	OMB No.	2050-0039
WASTE MANIFEST NV3890090001	2. Page 1 o 3		gency Response (702) 29:	5-0311		095	umber 5623	80 F	LE
5. Generator's Name and Mailing Address NSTEC FOR USDOE P.O. BOX 98521, M/S NNSS110 LAS VEGAS NV 89193 Generator's Phone: (702)295-7365		NS' HW	r's Site Address (TEC FOR U IY 95, NEVA RCURY	SDOE	-	URITY S	NTE 890	23	
6. Transporter 1 Company Name CAST TRANSPORTATION			<u>_</u>		U.S. EPAID		COR0000	05389	
7. Transporter 2 Company Name					U.S. EPA ID I	Number			
8. Designated Facility Name and Site Address					U.S. EPAID I	Number			
U.S. ECOLOGY HWY 95, 12 MI. SOUTH OF BEATTY BEATTY NV 89003					ł			10000	
Facility's Phone: (800) 239-3943 Qa 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number			10. Contain	ers	11. Total	12. Unit	NVT300		
ga. 90. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number HM and Packing Group (if any))	, 		No.	Туре	Quantity	WI.Vol.	13.	Waste Code	5
RQ ^{1.} UN1263, Waste Paint, 3, II (D001, D007, D00)	(8)		1	DM	184	Р	D001	D007	800d
RQ UN1263, Waste Paint, 3, 11 (D001, D007, D001 Q Q Q <td>rhon</td> <td></td> <td>1</td> <td></td> <td>242</td> <td></td> <td>D035</td> <td>0010</td> <td>0033</td>	rhon		1		242		D035	0010	0033
X X X NA3082, Hazardous waste, liquid, n.o.s. (call tetrachloride, 2,4,5-trichlorophenol), 9, III			1	DM	242	P	D018	D019	D022
x ³ NA3082, Hazardous waste, liquid, n.o.s. (si	lvor) 0		2		76	P	D023	D024	D025
A MADVOL, MALATUDUS WASLE, IIQUIG, 11.0.5. (S)	iver), 9	,	2	DF	76		0011	nenere cherced interaction with any	
x 4. NA3082, Hazardous waste, liquid, n.o.s. (si	1ver), 9	, 111	1	ĎМ	280	P	D011		
							1999 (1995 (1997 (19		
	his consignmen	t are fully ar	d accurately dee	cribed above	by the proper st	hipping name	e, and are cla	colfied pack	
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of the marked and labeled/placarded, and are in all respects in proper condition for transport ac Exporter, I certify that the contents of this consignment conform to the terms of the attach I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a lai Generator's/Offeror's Printed/Typed Name	according to app thed EPA Ackno arge quantity ge	licable inten wiedgment	national and natio of Consent.	anal governm	ental regulations		Nor	am lhe Prim	
marked and labeled/placarded, and are in all respects in proper condition for transport ac Exporter, I certify that the contents of this consignment conform to the terms of the attach I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a la Generator's/Offeror's Printed/Typed Name ON BEHALF OI CIRILO CARLOS GONZALES	according to app thed EPA Ackno arge quantity ge	licable inten wiedgment o nerator) or (ignature	national and natio of Consent.	onal governm I quantity ger	ental regulations cerator) is true.		Nor	am lhe Prim	Year
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		designed for use on elile IUS WASTE MANIFEST	21. Generator ID Number		22. Page	23. Manife	est Tracking Nu		n Approved.	OND NO.	2000
	(Continua	tion Sheet)	NV3890	090001	of 3		0009	5623) FLE		
24.	Generator's Name	NSTEC FOR USDOE P.O. BOX 98521, LAS VEGAS		89193							
25.	Transporter	_ Company Name					U.S. EPA IO	Number			
26	Transporter	Company Name					U.S. EPA ID	Number			
	- <u></u>		4/////////////////////////////////////		r	T		Т			
27a. HM	11		pping Name, Hazard Class, ID N	umber,	28, Contair No.	Type	29. Total Quantity	30. Unit WL/Vol.	31. V	Vaste Code:	
X	5. NA3077, trichlorop	Hazardous waste	, solid, n.o.s. (rophenol), 9, III	2,4,5-	1	DM	288	P	D008	D018	D
									D021	D022	D(
RQ	6. UN2315,	Polychlorinated	biphenyls, liqui	d, 9, III	1	DM	66	K			
RQ	7. UN3432,	Polychlorinated	biphenyls, solid	I, 9, III	3	DM	292	к			
X X X	8. NA3077,	Hazardous waste	, solid, n.o.s. (lead), 9, III	8	DM	2594	P	D008		
	9. NA3077,	Hazardous waste	, solid, n.o.s. ((lead), 9, III	1	DF	115	P	D008		
×	10. NA3077 lead), 9, 1		e, solid, n.o.s.	(cadmium,	3	DM	535	P	D006	D008	
RQ	carbon tet	, Hazardous wast rachloride), 9, ide, chloroform)	e, solid, n.o.s. III (benzene, car	(benzene, bon	1	DF	89	P	D018	D019	D
x	12. NA3077 xylenes),	, Hazardous wası 9, III	e, solid, n.o.s.	(ethyl acetate,	1	DM	97	P	D018 F005	D035	F
x	13, NA3082 Labpack.	, Hazardous wast	e, liquid, n.o.s.	, 9, III.	1	DF	38	Р	D003	5 	
x	14. NA3077 (hexachlor	, Hazardous wast obutadiene, hexa	e, solid, n.o.s. chlorobenzene), 9), III	4	DM	1776	P	D030	D032	D
5 001 10 000	ER171:10-0 20;WP#13-102 ER171:10-0 01;WP#13-103	22. 8. ER171;11- 2174,0175,0176;w L5. 14. ER171;10	D024,25,27-30,32- 0002,10-0165,0166 P#14-5295.11, ER -0067,0071,0072,0	,0167,0168,0171, 171:11-0003:WP#1	0172,0173; 3-1023, 12	WP#14-5	295. 9. 1	FR171:1	1-0007:	WP#14-	529 71;
	Transporter/ nted/Typed Name	Acknowledgment of Receipt of	Materials	Signature					Mo	inth Day	
SAL Prin	Transporter/ nted/Typed Name	Acknowledgment of Receipt of	Materials	Signature					Mo	inth Day	
FACILITY	Discrepancy					*************** *****			•		I .
36.1	Hazardous Waste Re H13	port Management Method Co	iles (i.e., codes for hazardous wa	aste treatment, disposal, and re H13'		H	132		HIE	3 <u>a</u>	
Sin	H13	2	H142	H133	→	141	42		H142		

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

• •

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

	rint or type. (Form designed for use on elite	(12-pitch) typewriter.) 21. Generator ID Number	22 Page	22 Manife	est Tracking Nu		n Approved.	OMB No.	2050-003
UNI	FORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	NV3890090001	22. Page 3 of 3	Lo. maine			0 FLE		
24. (Benerator's Name NSTEC FOR USDO P.O. BOX 98521 LAS VEGAS			.1			<u> </u>		
25.	Transporter Company Name				U.S. EPA ID	Number			
26.	Transporter Company Name				U.S. EPA ID	Number			
27a. HM	27b. U.S. DOT Description (including Proper SI and Packing Group (if any))	hipping Name, Hazard Class, ID Number,	28. Contain No.	ers Type	29. Total Quantity	30. Unit WL/Vol.	31. V	Vaste Codes	5
x	15. UN2796, Waste Battery	fluid, acid, 8, II.	2	DF	452	P	D002		
x	16. NA3082, Hazardous was trichlorophenol, pentachl	te, liquid, n.o.s. (2,4,5- orophenol), 9, 111.	1	DM	311	P	D018	D019	D02
							DQ24	D025	D02
×	17. NA3082, Hazardous was 9, III.	te, liquid, n.o.s. (epinephrine)	1	DF	16	P	P042		
x	18. NA3077, Hazardouse wa isobutanol), 9, III.	ste, solid, n.o.s. (lead,	1	DM	107	P	D008	F005	
x	19. UN2809, Waste Mercury	, 8, III.	1	DF	12	P	D009		
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							di anakana yang mang bi bilang		
						_			
	Special Handling Instructions and Additional Inform 5. ER157;10-0169,-0170;WP# 59;WP#13-1065. 18. ER171;1	nation 13-1007. 16. ER171;10-0130;WP#13- 1-0015;WP#14-5295. <u>19. ER172;11-C</u>	3528. ALSO 016;WP#13-0	D028-30 962. L),32-34,3 .0AD #110	6-43. 1 03.	17. ER17	71;10-	
	Fransporter Acknowledgment of Receipt of ted/Typed Name	of MaterialsSignatur Signatur	9				Mo	nth Day	Yea
	Transporter Acknowledgment of Receipt of						L		
	led/Typed Name	Signatur	5				NKO	nth Day	/ Yea
h									
36, 1	Hazardous Waste Report Management Method C H132	odes (I.e., codes for hazardous waste treatment, disposal, and	recycling systems)	- H	1132		H141		
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	1								

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Mixed Waste

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This is to certify that Waste Stream No., LRY5MWFY09001, package numbers B00111, B00112, and B00113 were shipped and received at the Nevada Test Site Radioactive Waste Management Complex in Area 5 for disposal as stated below.

Senior Scientist

Ken Courville Shipped by

Waste Generator Services Organization Senior Scientist Title

3-26-09

Date

/s/ Ken Courville

ED TAKA HASH Received by

Organization

SCIENTIST VILPSI Title

26 - MAR-260

Date

/s/ Ed Takahashi Signature

Q6003024 003025 003025 NSTec Form FRM-1929

CERTIFICATE OF DISPOSAL (MIXED LOW-LEVEL)

08/02/06 Rev. 0 Page 1 of 1

National Security Technologies For U.S. Department of Energy Waste Management Nevada Test Site - Zone 2 Mercury, NV 89023

EPA ID NV3890090001

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

Shipment Number	Uniform Hazardous Waste Manifest Number	Date(s) of Disposal	Volume Ft ³ (m ³)	Disposal Process
DPM11004	000000011N12	02/02/2011	120.07 (3.40)	Landfill
(MACRO 6163)	+			
			1200	
				() ()

/s/ John K. Wrapp

Signature

Date

Instructions:

Shipment Number - enter shipment number from LWIS database.

Uniform Hazardous Waste Manifest Number – enter number from UHWM provided by generator. Date of Disposal – enter date waste was placed in disposal cell.

Volume – enter shipment volume in cubic feet and equivalent cubic meters in parenthesis. Disposal Process – enter Landfill.

NSTec Form FRM-1929

CERTIFICATE OF DISPOSAL (MIXED LOW-LEVEL)

08/02/06 Rev. 0 Page 1 of 1

National Security Technologies ^{ur} For U.S. Department of Energy Waste Management Nevada National Security Site - Zone 2 Mercury, NV 89023

EPA ID NV3890090001

This Certificate acknowledges that the following shipment(s) of manifested MIXED LOW- LEVEL waste have been disposed at the Nevada National Security Site Radioactive Waste Management Site.

Shipment Number	Uniform Hazardous Waste Manifest Number	Date(s) of Disposal	Volume Ft ³ (m ³)	Disposal Process
DPM11007	000000011N27	05/25/2011	33.37 (0.95)	Landfill
gammar.				
		······		

/s/ John K. Wrapp

Signature

Date

Program Manager, Radioactive Waste Title

Instructions:

Shipment Number - enter shipment number from LWIS database.

Uniform Hazardous Waste Manifest Number - enter number from UHWM provided by generator.

Date of Disposal - enter date waste was placed in disposal cell.

Volume – enter shipment volume in cubic feet and equivalent cubic meters in parenthesis. Disposal Process – enter Landfill.

OG	004533	drum#	11M001
QG	004534	drum #	11M002

NSTec Form FRM-1929

CERTIFICATE OF DISPOSAL (MIXED LOW-LEVEL)

08/02/06 Rev. 0 Page 1 of 1

National Security Technologies " For U.S. Department of Energy Waste Management Nevada National Security Site - Zone 2 Mercury, NV 89023

EPA ID NV3890090001

This Certificate acknowledges that the following shipment(s) of manifested MIXED LOW- LEVEL waste have been disposed at the Nevada National Security Site Radioactive Waste Management Site.

Shipment Number	Uniform Hazardous Waste Manifest Number	Date(s) of Disposal	Volume Ft ³ (m ³)	Disposal Process
DPM11005	000000011N21	08/31/2011	134.90 (3.82)	Landfill

/s/ Jeanne Poling for Pat Arnold

Signature

B 2011

Program Manager, Radioactive Waste Title

Instructions:

Shipment Number - enter shipment number from LWIS database.

Uniform Hazardous Waste Manifest Number - enter number from UHWM provided by generator. Date of Disposal - enter date waste was placed in disposal cell.

Volume – enter shipment volume in cubic feet and equivalent cubic meters in parenthesis. Disposal Process – enter Landfill.

Radioactive Polychlorinated Biphenyl Bulk Product Waste

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This is to certify that the Waste Stream No. LRY5LLFY08002, container number 09L009, was shipped and received at the Nevada Test Site. Area 5 Radioactive Waste Management Complex for disposal as stated below.

Theresa Hale Shipped by WGS Organization Senior Technical Support Title

/s/ Theresa Hale

Signature

7-7-09 Date

LALLEN KINSTAD Received by

AREA KUMC Organization

Wasterlander Title

This is to certify that the Waste Stream No. LRY5LLFY08002, container number 09L013, was shipped and received at the Nevada Test Site. Area 5 Radioactive Waste Management Complex for disposal as stated below.

Theresa Hale Shipped by WGS Organization

Senior Technical Support Title

/s/ Theresa Hale

Signature

Date

,

7-7-09

LAURA KINSTANS Received by ALEA 5 RUMC

Waste Hardler

/s/ Laura Kinstad

Date 7.7.69

This is to certify that the Waste Stream No. LRY5LLFY08002, container number 09L014 was shipped and received at the Nevada Test Site. Area 5 Radioactive Waste Management Complex for disposal as stated below.

Theresa Hale Shipped by WGS Organization <u>Senior Technical Support</u> Title

/s/ Theresa Hale Signature

Date

LAWRA KINSTAD Received by Area 5 RWMC. Organization

.

Waste Handler_____

7-8-09

/s/ Laura Kinstad

Signature

Date 7-8-09

This is to certify that the Waste Stream No. LRY5LLFY08002, container number 09L015, was shipped and received at the Nevada Test Site. Area 5 Radioactive Waste Management Complex for disposal as stated below.

WGS Organization Senior Technical Support Title

/s/ Theresa Hale

Signature

Received by

AREA J RUMC

Waste Hardler Title

7-9-09

Date 7.9.09

Date

e de o

/s/ Laura Kinstad

Signature

This is to certify that the Waste Stream No. LRY5LI.FY08002, container number 09L017, was shipped and received at the Nevada Test Site. Area 5 Radioactive Waste Management Complex for disposal as stated below.

Theresa Hale Shipped by WGS Organization <u>Senior Technical Support</u> Title

/s/ Theresa Hale

Signature

LAURA KINSTAD Received by AREA 5 RWMC Organization WASTE HANDLER

7-9-09

Date

/s/ Laura Kinstad

Signature

Date 7.9.09

This is to certify that the Waste Stream No. LRY5LLFY08002, package number 09L018, was shipped and received at the Nevada Test Site, Area 5 Radioactive Waste Management Complex for disposal as stated below.

Theresa Hale Shipped by

Signature

/s/ Theresa Hale

WGS Organization Waste Inspector Title

7-13-09 Date

LALLA KINSTAD Received by

and the second
AREA 5 RWMS Organization

Moste Handler Title

/s/ Laura Kinstad

Signature

Date 7.13.09

This is to certify that the Waste Stream No. LRY5LLFY08002, package number 09L019, was shipped and received at the Nevada Test Site, Area 5 Radioactive Waste Management Complex for disposal as stated below.

Theresa Hale Shipped by

Signature

/s/ Theresa Hale

WGS Organization

Waste Inspector Title

7-14-09 Date

ALLEA KINSTAD Received by

Area 5 Rwmc Organization Wask Handler Title

/s/ Laura Kinstad

Signature

Date 7.14.09

This is to certify that the Waste Stream No. LRY5LLFY08002, package number 09L020, was shipped and received at the Nevada Test Site, Area 5 Radioactive Waste Management Complex for disposal as stated below.

Theresa Hale Shipped by WGS Organization

Waste Inspector Title

/s/ Theresa Hale

Signature

7-14-09 Date

ON FORD SR Received by

the second se

Organization

TECH STAFF

/s/ Burton Ford Signature v · ·

.

Date 7/14/09

This is to certify that the Waste Stream No. LRY5LLFY08002, package number 09L021, was shipped and received at the Nevada Test Site. Area 5 Radioactive Waste Management Complex for disposal as stated below.

Theresa Hale Shipped by

Signature

/s/ Theresa Hale

WGS Organization

Waste Inspector Title

TH 7-15-09

7-18-15-09 Date

LAURA KINSTAD

AREA 57WMC Organization Liceste Handle

/s/ Laura Kinstad

Signature

Received by

Date 7.15.09

This is to certify that the Waste Stream No. LRY5LLFY08002, package number 09L022, was shipped and received at the Nevada Test Site. Area 5 Radioactive Waste Management Complex for disposal as stated below.

Theresa Hale Shipped by WGS Organization Waste Inspector Title

/s/ Theresa Hale

Signature

7-16-09

Date

LAURA KINSTAD Received by

Arcas ANMC Organization WASTE HANDLER Title

/s/ Laura Kinstad

Signature

Date 7.16.09

NSTec	
Form	
FRM-221	7

....

CERTIFICATE OF DISPOSAL (LOW LEVEL WASTE)

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.

Shipment Number	Waste Stream Identification #	Package # _	Date of Disposal
DPL09037	LRYSILFY08002	091023	8-13-09
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			i k

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Laura Kinstad

Signature

8-13 Date

C

Instructions:

Shipment Number – enter shipment number from LWIS database. Jate of Disposal – enter date waste was placed in disposal cell.

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NSTec	
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FRM-2217	

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL09039	LRY5LLFY08002	09L025	8-25-09
DPL09039	LRY5LLFY08002	09L026	8-25-09
DPL09039	LRY5LLFY08002	09L027	8-25-09
DPL09039	LRY5LLFY08002	09L028	8-25-09
DPL09039	LRY5LLFY08002	09L029	8-25-09
DPL09039	LRY5LLFY08002	09L030	8-25-09

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Ed Takahashi

Signature

25 AUG-2469

SCIENTE

Title

Instructions:

Shipment Number - enter shipment number from LWIS database. Date of Disposal - enter date waste was placed in disposal cell.

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Form	CERTIFICATE OF DISPOSAL	Rev. 0
FRM-2217	(LOW LEVEL WASTE)	Page 1 of 1

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposa
DPL09040	LRY5LLFY08002	09L033	8-26-09
DPL09040	LRY5LLFY08002	09L035	8-26-09
	1		

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Laura Kinstad

Signature

8.26.09 Date

LIASTE HANDLER

Title

Instructions:

Shipment Number – enter shipment number from LWIS database. Nate of Disposal – enter date waste was placed in disposal cell.

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL09038	LRY5LLFY08002	09L024	8-27-09

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Ed Takahashi Signature

27-AUG-

Scientist

Title

Instructions:

Shipment Number – enter shipment number from LWIS database. Jate of Disposal – enter date waste was placed in disposal cell.

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL09041	LRY5LLFY08002	09L032	8-27-09
DPL09041	LRY5LLFY08002	09L036	8-27-09
DPL09041	LRY5LLFY08002	09L037	8-27-09
	(A.		
	141		

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Ed Takahashi

Signature

27-AUG

Scientist

Title

Instructions:

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

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL09042	LRY5LLFY08002	09L031	8-31-09
DPL09042	LRY5LLFY08002	09L038	8-31-09
DPL09042	LRY5LLFY08002	09L039	8-31-09
DPL09042	LRY5LLFY08002	09L040	8-31-09
DPL09042	LRY5LLFY08002	09L041	8-31-09
DPL09042	LRY5LLFY08002	09L042 ·	8-31-09
DPL09042	LRY5LLFY08002	09L043	8-31-09
DPL09042	LRY5LLFY08002	09L044	8-31-09
JPL09042	LRY5LLFY08002	09L045	8-31-09

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Ed Takahashi

Signature

31-AUG-

CLOUTIST

Title

Instructions:

Shipment Number – enter shipment number from LWIS database. ate of Disposal – enter date waste was placed in disposal cell.

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL09043	LRY5LLFY08002	09L034	9-01-09
DPL09043	LRY5LLFY08002	09L046	9-01-09
DPL09043	LRY5LLFY08002	09L047	9-01-09
DPL09043	LRY5LLFY08002	09L048	9-01-09
DPL09043	LRY5LLFY08002	09L049	9-01-09
DPL09043	LRY5LLFY08002	09L050	9-01-09
DPL09043	LRY5LLFY08002	09L051	9-01-09
DPL09043	LRY5LLFY08002	09L052	9-01-09
JPL09043	LRY5LLFY08002	09L053	9-01-09

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Laura Kinstad

Signature

Date

Waste Handur

Instructions:

Shipment Number – enter shipment number from LWIS database. Jate of Disposal – enter date waste was placed in disposal cell.

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL09043	LRY5LLFY08002	09L054	9-01-09
DPL09043	LRY5LLFY08002	09L055	9-01-09
DPL09043	LRY5LLFY08002	09L056	9-01-09
DPL09043	LRY5LLFY08002	09L057	9-01-09
DPL09043	LRY5LLFY08002	09L058	9-01-09
DPL09043	LRY5LLFY08002	09L059	9-01-09

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Laura Kinstad

Signature

9.1.09

Date

Title

Instructions:

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

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL09044	LRY5LLFY08002	09L060	9-02-09
DPL09044	LRY5LLFY08002	09L061	9-02-09
DPL09044	LRY5LLFY08002	09L062	9-02-09
DPL09044	LRY5LLFY08002	09L063	9-02-09
DPL09044	LRY5LLFY08002	09L064	9-02-09
DPL09044	LRY5LLFY08002	09L065	9-02- <u>09</u>
DPL09044	LRY5LLFY08002	09L066	9-02-09
DPL09044	LRY5LLFY08002	09L067	9-02-09

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Laura Kinstad

Signature

9.2.25 Date

Daste Handlei

Title

Instructions:

Shipment Number - enter shipment number from LWIS database. Date of Disposal - enter date waste was placed in disposal cell.

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

Shipment Number	Waste Stream Identification #	Package #	 Date of Disposal
DPL09047	LRY5LLFY08002	09L069	 09-03-09
			*

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Laura Kinstad

Signature

9.3.09

Date

Waste Handler

Instructions:

Shipment Number – enter shipment number from LWIS database, ate of Disposal – enter date waste was placed in disposal cell.

NSTec
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FRM-2217

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

Waste Stream Identification #	Package #	Date of Disposal
LRY5LLFY08002	204826	09-09-09
LRY5LLFY08002	308973	09-09-09
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	2	
	Identification # LRY5LLFY08002 LRY5LLFY08002	Identification # Package # LRY5LLFY08002 204826 LRY5LLFY08002 308973

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Ed Takahashi

Signature

Date

Seidertest

Title

Instructions:

Shipment Number – enter shipment number from LWIS database. ate of Disposal – enter date waste was placed in disposal cell.

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL09053	LRY5LLFY08002	290000 (QG003406)	09-29-09

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Laura Kinstad

Signature

9/29/09 Date

Specialist

Instructions:

Shipment Number - enter shipment number from LWIS database. Date of Disposal - enter date waste was placed in disposal cell.

CERTIFICATE OF DISPOSAL	_
(LOW LEVEL WASTE)	

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11001	LRY5LLFY08002	10L938	10-4-10
2		•	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

/s/ Stephen Wolf **RWMC Signature**

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Date

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(Reference	OP-2151.304)

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11014	LRY5LLFY08002	11L004	12-13-10
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		1.	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

TE SPECIALIST

12.13.2010 Date

CON

/2-13-10 Date

(Reference: OP-2151.304)

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(LOW LEVEL WASTE)

Nevada Test Site

. 2.43 1927 18 e sa in This Certificate acknowledges that the following shipment(s) of waste have been disposed at the Nevada Test Site Radioactive Waste Management Complex.

Shipment Number	Waste Stream Identification #	Package #		Date of Disposal	
DPL11015	LRY5LLFY98002	11L005		12-14-10	
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annen an	-				

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion WGS Signature

Date

Waste Inspector Title

/s/ Ed Takahashi

RWMC Signature

SCIENTRY

Title

14 Date



NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11016	LRY5LLFY08002	11L006	12-14-10
· · · · · · · · · · · · · · · · · · ·			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

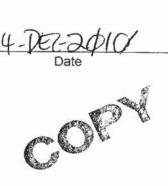
Waste Inspector Title

/s/ Ed Takahashi

RWMC Signature

Title

12-14-10



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11017	LRY5LLFY08002	11L007	12/14/10_

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Date

Waste Inspector Title

/s/ Ed Takahashi

RWMC Signature

Scientis

Title



(Reference: OP-2151.304)

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11018	LRY5LLFY08002	11L008	12/15/10
19			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Waste Inspector

/s/ Ed Takahashi

RWMC Signature

Title

5

2

Daté

15 EZ-2010 Date



NSTec Form FRM-2217

Title

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11019	LRY5LLFY08002	11L009	12/15/10

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Waste Inspector Title

/s/ Ed Takahashi

CIENT

12 10

:20

Date





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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11020	LRY5LLFY08002	11L010	Date of Disposal
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This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

12 10

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

LABTE SPECIALIST Title

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(Reference: OP-2151.304)

CERTIFICATE OF DISPOSAL (LOW LEVEL WASTE)

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11021	LRY5LLFY08002	11L011	12-16-10
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This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Waste Inspector Title

/s/ Stephen Wolf

hhw Specilist Title

RWMC Signature

12-16-10 Date

Date

12



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11034	LRY5LLFY08002	11L020	7

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Stephen Wolf

RWMC Signature

Specilast Title

-<u>20</u>-1/ Date

J-20-1/ Date

CER	TIFICA	TE	OF	DISPOS	AL
	(LOW	LEVI	EL W	(ASTE)	

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11035	LRY5LLFY08002	11L021	1-20-11
<u>. </u>			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Burton Ford

RWMC Signature

WASTE SEC. ALisT

24 - JAN-2011 Date

1-20-11

Date

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NSTec Form FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11032	LRY5LLFY08002	11L018	1-20-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

/- 20- // Date

Waste Inspector Title

/s/ Jon Tanaka **RWMC** Signature

01-20-2011 Date

COPY

MASTE SPECIALIST Title

NSTec Form FRM-2217

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11033	LRY5LLFY08002	11L019	1-20-11
		•	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Burton Ford

RWMC Signature

Waste Specialist

24-JAN-2011 Date



<u>J-20-1(</u> Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11036	LRY5LLFY08002	11L022	1-24-11
		3	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Burton Ford RWMC Signature

Waste in

24- JAN -2911 Date

1-24-11 Date

COPY

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11037	LRY5LLFY08002	11L023	1-24-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

1-24-11 Date

24-JON-2011

Date

Waste Inspector Title

/s/ Burton Ford

WASTE Specialist Title

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11038	LRY5LLFY08002	11L025	1-24-11
21 4 17			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Burton Ford

RWMC Signature

WASTE Speciplist

24-JAN -2011 Date

1-24-11 Date



NSTec Form

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11039	LRY5LLFY08002	11L026	1-24-11
	-		

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

1-24-11 Date

Waste Inspector

Title

/s/ Burton Ford

WHSTE Specialist

24-JAN-2Ø11 Date



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Form

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Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11040	LRY5LLFY08002	11L027	1-24-41
	*		
		•	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

1-24-11 Date

Waste Inspector

Title

/s/ Burton Ford

WASTE SOECIALIST

24- TAN - 2011 Date

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NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11043	LRY5LLFY08002	11L030	1-25-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

1-25-11

Date

25. JAN - 2011 Date

WGS Signature

Waste Inspector Title

/s/ Burton Ford

WASTE Speciplist

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11044	LRY5LLFY08002	11L031	1-25-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

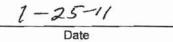
WGS Signature

Waste Inspector Title

/s/ Stephen Wolf

RWMC Signature

LLW Specilist Title



1-25-11

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Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11045	LRY5LLFY08002	11L032	1-25-11
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This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Ed Takahashi

RWMC Signature

Scientist

Title

1-25-11 Date

25-JAN-2\$11 Date



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11046	LRY5LLFY08002	11L033	1-25-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Ed Takahashi

RWMC Signature

Scientis

Title

1-25-11

25-JAN-2011 Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11041	LRY5LLFY08002	11L028	1-25-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Stephen Wolf

RWMC Signature

LLW Speciiist

-25-11 Date

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03/01/10 Rev. 01 Page 1 of 1

1-25-11

NSTec Form FRM-2217

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Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11042	LRY5LLFY08002	11L029	1-25-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Stephen Wolf

RWMC Signature

Specilost Title

-25-11 Date

COP

1-25-11

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11047	LRY5LLFY08002	11L034	1-26-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

1-26-11 Date

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

01-26-2011 Date

WASTE SPECIALIST

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11048	LRY5LLFY08002	11L035	1-26-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Burton Ford

RWMC Signature

Waste Specialist

26. TAN- 2011 Date

/-2(-1/ Date



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RM-2217

Nevada Test Site

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

Waste Stream Identification #	Package #	Date of Disposal
LRY5LLFY08002	11L036	1-26-11
	Identification #	Identification # Package #

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

1-26-11

Date

Waste Inspector Title

/s/ Burton Ford

WASTE Specialist

26-JAN-2011 Date

Cick of

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11050	LRY5LLFY08002	11L037	1-27-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

1-27-11 Date

Waste Inspector Title

/s/ Jon Tanaka

WASTE SPECIALIST

7/20((Date



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11051	LRY5LLFY08002	11L038	1-27-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka **BWMC** Signature

STE SPECIMUST

1-27.2011 Date

1-27-11 Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11052	LRY5LLFY08002	11L039	1-27-11
Maxim			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECISHOST

1-27:2011 Date

Date

1-27-11

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FRM-2217	

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11053	LRY5LLFY08002	11L040	1-27-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector ______ Title

/s/ Burton Ford

RWMČ Signature

WASTE Specialist

27-JAN-2011 Date

l Come

1-27-1/ Date

NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11054	LRY5LLFY08002	11L041	1-27-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Burton Ford

RWMC Signature

WASTE SpecialisT

27-JAN-2211 Date

)-27_1/ Date

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FRM-2217

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11055	LRY5LLFY08002	11L042	1-31-11
·····			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Ed Takahashi

RWMC Signature

Title

31-JAN-2011

1-31-11

Date

Date

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NEToc

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11056	LRY5LLFY08002	11L043	1-31-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

1-31-11 Date

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

01/31/1011 Date



1

(Reference: OP-2151.304)

NSTec

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11057	LRY5LLFY08002	11L044	1-31-11
,			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Ed Takahashi

RWMC Signature

Scientist.

Title

1-31-11

Date

31 - JAN - 2011 Date



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11058	LRY5LLFY08002	00L045	2-1-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

714 21-11 Inspecto -Waste Specialis

Title

/s/ Jon Tanaka

RWMC Signature

02/01/2011 Date

Date

WASTE SPECIALIST Title

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

Shipment Number	Waste Stream Identification #	*	Package #	Date of Disposal
DPL11059	LRY5LLFY08002	00L046		2/1/11
			₹₫,⊤	
			-	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Date

Waste Specialist Title

/s/ Ed Takahashi

RWMC Signature

CIENTIST

Title

01-FEB-2 Date

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da Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11060	LRY5LLFY08002	11L047	2/1/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

SPECIALIST WHETE Title

2/1/11

Date

_02/a/201(Date

(Reference: OP-2151.304)

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11061	LRY5LLFY08002	11L048	2/2/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

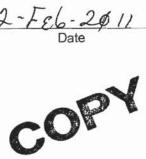
WGS Signature

Waste Inspector Title

/s/ Burton Ford

DECIAList

Date



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11062	LRY5LLFY08002	11L049	2/2/11
74			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Waste Inspector

/s/ Burton Ford

RWMC Signature

DECIALIST 12

Date

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2-FE6-2011 Date

NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11063	LRY5LLFY08002	11L050	2/2/11
			_

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Waste Inspector Title

/s/ Burton Ford

RWMC Signature

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WASTE .sT

Date

9

2-Fe6.2011 Date



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11064	LRY5LLFY08002	11L051	2-2-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

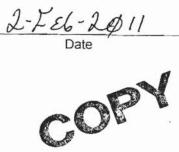
/s/ Burton Ford

RVMC Signature

ACTE Spec

2-2-11

Date



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11065	LRY5LLFY08002	11L052	2/2/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2/2/1/ Date

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIAL BT

02-02-2011 Date



CERTIFICATE OF DISPOS	AL
(LOW LEVEL WASTE)	

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11066	LRY5LLFY08002	11L053	2-2-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

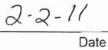
WGS Signature

Waste Inspector Title

/s/ Stephen Wolf

RWMC Signature

LLW Spoclics/ Title



Date



2-2-11

(Reference: OP-2151.304)

CERTIFICATE	OF	DISPOSAL
(LOW LEVE	EL W	(ASTE)

NSTec

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11073	LRY5LLFY08002	11L060	2-3-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Stephen Wolf

RWMC Signature /

LLu Specialist Title

<u>Ø2-03-11</u> Date



2-3.11

Date

NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11074	LRY5LLFY08002	11L061	2-3-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

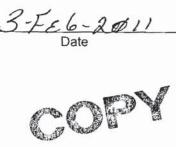
Title

/s/ Burton Ford

RWMC Signature

WASTE Specialist

2-3-11 Date



(Reference: OP-2151.304)

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NSTec

Nevada Test Site

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

Waste Stream Identification #	Package #	Date of Disposal
LRY5LLFY08002	11L054	2-3-11
	Identification #	Identification # Package #

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Burton Ford

RWMC Signature

WHSTE Specia List

3-FE6-2011 Date



2-3-1/ Date

CERTIFICATE	OF	DISPOSAL
(LOW LEVE	EL W	(ASTE)

NSTec

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11068	LRY5LLFY08002	11L055	2-3-11
			- <u>-</u>

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Burton Ford RWMC Signature

WASTE Specialist

3-FEL-2011 Date



2-3-11

Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11069	LRY5LLFY08002	11L056	23-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Stephen Wolf

RWMC Signature

LLW Specialist Title

2-3-11 Date

2-3-((Date



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11070	LRY5LLFY08002	11L057	2-3-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2-3-11

Date

Waste Inspector Title

/s/ Burton Ford

NASTE Specialist

3-FE6-2011 Date



Nevada Test Site	*	

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

CERTIFICATE OF DISPOSAL

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11071	LRY5LLFY08002	11L058	2-3-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Burton Ford

RWMC Signature

WASTE SpecialisT

<u> 3-F26-2Ø11</u> Date



(LOW LEVEL WASTE)

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2-3-11 Date

(Reference: OP-2151	304)

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Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11072	LRY5LLFY08002	11L059	2-3-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

/s/ Ed Takahashi

RWMC Signature

Title

2-3-1/ Date

13-FEB 3411

Date



Title

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£.

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11075	LRY5LLFY08002	11L062	2-7-11
N			
K			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

il aste FASE

/s/ Burton Ford

WASTE SpecifichisT

2-FEB-2011 Date



2-7-11 Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11076	LRY5LLFY08002	11L063	2-7-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

/s/ Stephen Wolf **RWMC** Signature

Specialist Title

2-7-11 Date

-7--// Date

COP

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

Shipment Number	Waste Stream Identification #		Package #	Date of Disposal
DPL11077	LRY5LLFY08002	11L064	·····	2-7-11
			· · · · · · · · · · · · · · · · · · ·	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Ed Takahashi / RWMC Signature

icei

Title

2-7-1/ Date

<u> 17-FEB 2011</u> Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11078	LRY5LLFY08002	11L065	2-7-1/
		13	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

/s/ Stephen Wolf

Wuster Specialist-Title

2-7-11 Date



2-7-1/ Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11079	LRY5LLFY08002	11L066	2-7-11
·			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Burton Ford RWMC Signature

WASTE SpeciAList

7 - Feb - 2011 Date

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2-7-11

Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11080	LRY5LLFY08002	11L067	2-7-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Weste Inspector

Title

/s/ Jon Tanaka

WASTE SPECIALIST

02-07-201 Date

2-7-11

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11022	LRY5LLFY08002	11L012	2/7/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

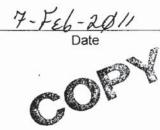
WGS Signature

Waste Inspector Title

/s/ Burton Ford RWMC Signature

WASTE Specialist

Date



-		
(Reference:	OP-2151.304)	

CERTIFICATE	OF	DISPOSAL
(LOW LEVE	EL W	(ASTE)

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11023	LRY5LLFY08002	11L013	2-7-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Ed Takahashi

RWMC Signature

Scientist.

Title

2 - 7 - 1/ Date

<u>7- FEB-2Ø11</u> Date



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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11081	LRY5LLFY08002	11L068	2-8-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2-8-11

Date

Waste pector n Title

/s/ Jon Tanaka

RWMC Signature

WASTE Title PECIALIST

COP

02-08.2011 Date

NSTec	
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FRM-2217	

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11082	LRY5LLFY08002	11L069	2-8-11
*			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Title

/s/ Stephen Wolf **RWMC** Signature

Wuste Specialist Title

2-8-11 Date

<u>2-8-11</u> Date

COP

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

Waste Stream Identification #	Package #	Date of Disposal
LRY5LLFY08002	11L070	2-8-11
	Identification #	Identification # Package #

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

/s/ Stephen Wolf **RWMC Signature**

Waste Spacialist

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\$2-\$8-11 Date

2 - 8 - 11 Date

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NSTec

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11024	LRY5LLFY08002	11L014	2-8-11
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This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

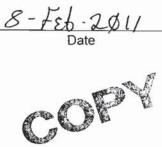
WGS Signature

Waste Inspector Title

/s/ Burton Ford

ASTE SpeciaList

2-8-11 Date



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11025	LRY5LLFY08002	11L015	2-8-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Burton Ford

WASTE SPECIALINT

\$FEB.2011

Date



2-8-11 Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11084	LRY5LLFY08002	11L071	2-9-11
		· · · · · · · · · · · · · · · · · · ·	
181			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2-9-11

Date

Waste Inspector

Title

/s/ Jon Tanaka RWMC Signature

WASTE Title FECIALIST

COE

02-09-2011 Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11026	LRY5LLFY08002	11L016	2/81 3/7/11
5			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

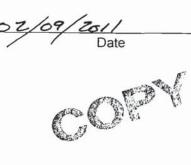
/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST

Date

2 19/11



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11027	LRY5LLFY08002	11L017	Date of Disposal

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

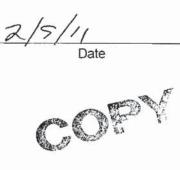
WGS Signature

Waste Inspector

Title

/s/ Stephen Wolf

Waste Specialist Title



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11132	LRY5LLFY08002	11L119	2/9/11
DPL11132	LRY5LLFY08002	11L120	2/9/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

WASTE SPECIALIST

Title

Date



NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11133	LRY5LLFY08002	11L121	2-9-11 2-9-11
DPL11133	LRY5LLFY08002	11L122	2-9-11
			÷

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Stephen Wolf **RWMC Signature**

Waste Specifist

2-9-11

2 - 9- 1/ Date



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FRM-2217	

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11112	LRY5LLFY08002	11L099	Date of Disposal

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

02-10.0 Date

2 - 10 - 1/ Date



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11134	LRY5LLFY08002	11L123	2-10-11
DPL11134	LRY5LLFY08002	11L124	2-10-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

02-10-2011

Date

2-10-11

WASTE -STECINIST



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11135	LRY5LLFY08002	11L125	2-10-11
DPL11135	LRY5LLFY08002	11L126	2-10-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALOST Title

02-10-201





Date

2-10-11

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11136	LRY5LLFY08002	11L127	2-10-11 2-10-11
DPL11136	LRY5LLFY08002	11L128	2-10-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2-10-11

Date

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

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CERTIFICATE OF DISPOSAL (LOW LEVEL WASTE)

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11137	LRY5LLFY08002	11L129	2-10-11 2-10-11
DPL11137	LRY5LLFY08002	11L130	2-10-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

NGO Olynature

Waste Inspector Title

/s/ Jon Tanaka RWMC Signature

WASTE Title SPECIALIST

02-10-20 Date



Date

2-10-11

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11138	LRY5LLFY08002	11L131	2-10-11
DPL11138	LRY5LLFY08002	11L132	2-10-11 2-10-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIELES

2-10-11

Date

02 · 10 · 2011 Date



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11113	LRY5LLFY08002	11L100	2/14/11
			-

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

2/14/11

14/2011 Date



NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11114	LRY5LLFY08002	11L101	2-14-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

02-14-2011 Date



2-14-11 Date

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #		Package #	Date of Disposal
DPL11115	LRY5LLFY08002	11L102		2-14-11
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This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka RWMC Signature

WASTE SPECIALIST

Title

<u>Z-14-201</u> Date

__/ / √_ / / Date

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	03/01/10
CERTIFICATE OF DISPOSAL	Rev. 01
(LOW LEVEL WASTE)	Page 1 of 1

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11139	LRY5LLFY08002	11L133	2/14/11
DPL11139	LRY5LLFY08002	11L134	2/14/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIELIST

2/14/11

<u>OZ/14/2011</u> Date

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Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11140	LRY5LLFY08002	11L135	2/14/11
DPL11140	LRY5LLFY08002	11L136	2/14/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

Inte

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

O// Date



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11141	LRY5LLFY08002	11L137	2-14-11
DPL11141	LRY5LLFY08002	11L138	2-14-11
		-	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka RWMC Signature

WASTE SPECIALIST Title

Date

02-14.2011



2-14-11 Date

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11142	LRY5LLFY08002	11L139	2-14-11
DPL11142	LRY5LLFY08002	11L140	2-14-11 2-14-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2-14-11

Date

Waste Inspector Title

/s/ Jon Tanaka

WASTES PECIALIST_

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11143	LRY5LLFY08002	11L141	2/14/11
DPL11143	LRY5LLFY08002	11L142	2/14/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

NASTE SPECIALIST

Date

cosy

2/14/11

Date

NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11116	LRY5LLFY08002	11L103	2-15-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

ше

/s/ Jon Tanaka

WASTE SPECIALIST. Title

COPY

2-15-11 Date

02-15-2011 Date

NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11117	LRY5LLFY08002	11L104	2-15-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

02-12-2011 Date

2-15-11

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NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11118	LRY5LLFY08002	11L105	2-15-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

02.15-2011 Date



2-15-11

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11144	LRY5LLFY08002	11L143	2-15-11
DPL11144	LRY5LLFY08002	11L1 <u>44</u>	2-15-11
8			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

0-15-11 Date

02.15.201/ Date

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NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11145	LRY5LLFY08002	11L145	2/15/11
DPL11145	LRY5LLFY08002	11L146	2/15/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

WASTE SPECIALIST Title

2/15/11

02-15-2011 Date



NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11146	LRY5LLFY08002	11L147	2-15-11
DPL11146	LRY5LLFY08002	11L148	2-15-11 2-15-11
			3

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

WASTE SPECIALIST Title

2-15-11 Date

02-/5-201/ Date

COPY

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11147	LRY5LLFY08002	11L149	2-15-11
DPL11147	LRY5LLFY08002	11L150	2-15-11
	•		

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

2/15/11

CALA

02/15/2011 Date

Date

(LOW LEVEL WASTE)

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11148	LRY5LLFY08002	11L151	2-15-11
DPL11148	LRY5LLFY08002	11L152	2-15-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

The

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALE Y Title

02/15/201/ Date



Date

2/15/11

NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11119	LRY5LLFY08002	11L106	2-16-11
	J		

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2-16-11 Date

Waste Inspector

Title

/s/ Jon Tanaka **RWMC** Signature

WASTE SPECIALIST Title

02.16.221 Date



NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11120	LRY5LLFY08002	11L107	Date of Disposal

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2-16-11

Date

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

COLW

02 :/6.2011 Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11149	LRY5LLFY08002	11L153	2-16-11
DPL11149	LRY5LLFY08002	11L154	2-16-11 2-16-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

02.16.2011 Date

2-16-11

COCARPY

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11150	LRY5LLFY08002	11L155	2/16/11
DPL11150	LRY5LLFY08002	11L156	2/16/11
			20 20

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

NASTE SPECIALIST

2/16/11

Date

李 竹

02./6.201/ Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11151	LRY5LLFY08002	11L157	2-16-11 2-16-11
DPL11151	LRY5LLFY08002	11L158	2-16-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

WASTE SPECIALS

2 - / 6 - 1 (Date

02.16.2011 Date

CCEPT

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11152	LRY5LLFY08002	11L159	2-16-11 2-16-11
DPL11152	LRY5LLFY08002	11L160	2-16-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

02.16.2d

Date

2-16-11 Date



NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11121	LRY5LLFY08002	11L108	2-17-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

WASSE SPECIALET Title

2-17-11 Date

02-/ 7·20(/ Date

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

Waste Stream Identification #	Package #	Date of Disposal
LRY5LLFY08002	11L109	2-17-11
and the second se	Identification #	Identification # Package #

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka RWMC Signature

ature

WASTE SPECIALIST Title

02-17-2011

Date

2-17-11



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11123	LRY5LLFY08002	11L110	2-17-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

2-17-11

02-17-20(/ Date

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11153	LRY5LLFY08002	11L161	2-17-11
DPL11153	LRY5LLFY08002	11L162	2-17-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2-17-11

Date

Waste Inspector

Title

/s/ Jon Tanaka

WASTE SPECIALIST Title

2-17-201 Date

C.C.P.P.F

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11154	LRY5LLFY08002	11L163	2-17-11
DPL11154	LRY5LLFY08002	11L164	2-17-11
	1		

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASVE SPECIALST

02-17-2011 Date

2-17-11

Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11155	LRY5LLFY08002	11L165	2-17-11
DPL11155	LRY5LLFY08002	11L166	2-17-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2-17-11

Date

Waste Inspector

Title

/s/ Jon Tanaka

`RWMC Signature

WASTE SPECIALIST Title

02:17-2011 Date

NSTec
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FRM-2217

CERTIFICATE OF DISPOSAL (LOW LEVEL WASTE)

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11156	LRY5LLFY08002	11L167	2-17-11
DPL11156	LRY5LLFY08002	11L168	2-17-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

2-17-2011

Date



Date

2-17-11

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11124	LRY5LLFY08002	11L111 ·	2-23-11
*		-	
	*		

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Burton Ford

RWMC Signature

WASTE Specialist

2-23-11

23-FE6-2Ø11 Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11125	LRY5LLFY08002	11L112	2-23-11
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This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

COPY

02-23-201/ Date

2-23-11

NSTec	
Form	
FRM-2217	

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11126	LRY5LLFY08002	11L113	2-23.11
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This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

02-23-2011

Date

2-23-11

WASTE ECIMIST COPY Title

NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11157	LRY5LLFY08002	11L169	2-23-11
DPL11157	LRY5LLFY08002	11L170	2-23-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Burton Ford

RWMC Signature

Waste Specialist

3- FE6-2011 Date

2-23-11 Date

NSTec
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FRM-2217

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11158	LRY5LLFY08002	11L171	2-23-11 2-23-11
DPL11158	LRY5LLFY08002	11L172	2-23-11
		*	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Burton Ford

RWMC Signature

WASTE Specialist

23-Fib-2#11 Date

2-23-11

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11159	LRY5LLFY08002	11L173	2-23-11
DPL11159	LRY5LLFY08002	11L174	2-23-11 2-23-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2-23-11

Date

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title

02.23.201/ Date

NSTec	
Form	
FRM-2217	

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11160	LRY5LLFY08002	11L175	2-23-11
DPL11160	LRY5LLFY08002	11L176	2-23-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2-23-11

Date

Waste Inspector

Title

/s/ Jon Tanaka

WASTE SPECIALIST Title

02-23-2011 Date



NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11161	LRY5LLFY08002	11L177	2-23-11 2-23-11
DPL11161	LRY5LLFY08002	11L178	2-23-11
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This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

me

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIMONT Title

C.C.S.M

02-23-201/ Date

2-23-11 Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11127	LRY5LLFY08002	11L114	2-24-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALISE Title

2-24-11

Date

CCM

02-28-2011 Date

Title

(LOW LEVEL WASTE)

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11128	LRY5LLFY08002	11L115	2-24-11
		*	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2-24-11

02-59-2

Date

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Date

Waste Inspector Title

/s/ Jon Tanaka

WASTE SPECIALIST Title

COPN

NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11162	LRY5LLFY08002	11L179	2-24-11
DPL11162	LRY5LLFY08002	11L180	2-24-11 2-24-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale WGS Signature

2-24/11 Date

Waste Inspector

Title

/s/ Jon Tanaka

0<u>2-29-Zo(</u>/ Date

WASTE SPECIALIST Title

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11163	LRY5LLFY08002	11L181	2-24-11
DPL11163	LRY5LLFY08002	11L182	2-24-11 2-24-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

02-24-201/ Date

2-24-11

.

Date

WASTE SPECIALIST Title

NSTec
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FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11164	LRY5LLFY08002	11L183	2-24-11
DPL11164	LRY5LLFY08002	11L184	2-24-11 2-24-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

-1.010-179-0**-**2.4

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST

Title

2-24-11

02-24-201 Date

.24-1

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposat
DPL11165	LRY5LLFY08002	11L185	2-24-11
DPL11165	LRY5LLFY08002	- 11L186	224-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

NASTE SPECIALIST Title

2-24-11 Date

02-24-2011 Date

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11166	LRY5LLFY08002	11L187	2-28-11
DPL11166	LRY5LLFY08002	11L188	2-28-11
	1		

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

2-28-11 Date

02-28 201/ Date

SPECIALIGT

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11167	LRY5LLFY08002	11L189	2-28-11
DPL11167	LRY5LLFY08002	11L190	9-28-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

HASTE SPECIALST

2-28-11 Date

02.282011 Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11168	LRY5LLFY08002	11L191	2-28-11 2-28-11
DPL11168	LRY5LLFY08002	11L192	2-28-11
-			
		*	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

2-28-11 Date

2-28.20/1 Date

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11169	LRY5LLFY08002	11L193	3-1-11
DPL11169	LRY5LLFY08002	11L194	3-1-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

WASTE SPECIALIST Title

3-1-11 Date

03-01-2011 Date

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11170	LRY5LLFY08002	11L195	3-1-11
DPL11170	LRY5LLFY08002	11L196	3-1-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

3-1-11

<u>03-01-20(</u> Date

Date

Waste Inspector Title

/s/ Jon Tanaka

WASTE SPECIALIST Title

NSTec	
Form	
FRM-2217	

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11171	LRY5LLFY08002	11L197	3/1/11
DPL11171	LRY5LLFY08002	11L198	3/1/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALET

3/1 Date

Date

03-01-2011 Date

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11172	LRY5LLFY08002	11L199	3/1/11
DPL11172	LRY5LLFY08002	11L200	3/1/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

3/1/11

03-01-201(Date

WASTE SPECIALIST Title

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11173	LRY5LLFY08002	11L201	3/1/11
DPL11173	LRY5LLFY08002	11L202	3/1/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

Z

03.01.2011 Date

NASTE SPECIALE

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11085	LRY5LLFY08002	11L072	3-2-11
DPL11085	LRY5LLFY08002	11L075	3-2-11
		ă.	
2			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST

Title

03.02.2011 Date

30P)

3-2-11

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11086	LRY5LLFY08002	11L073	3/2/11
DPL11086	LRY5LLFY08002	11L076	3/2/11
		-	

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

3/2/11

Date

Waste Inspector Title

/s/ Jon Tanaka

WASTE SPECIALIST Title

<u>03/02/2011</u> Date

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11174	LRY5LLFY08002	11L203	3/2/11
DPL11174	LRY5LLFY08002	11L204	3/2/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

31 21

03-02-2011 Date

Date

Waste Inspector Title

/s/ Jon Tanaka

MASTE SPECIALIST Title

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11087	LRY5LLFY08002	11L074	3-3-11
DPL11087	LRY5LLFY08002	11L077	3-3-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

WASTE INSPECTOR

Title

/s/ Jon Tanaka RWMC Signature

WASTE SPECIALICI Title

3/3/

03/03/2011 Date

CORN

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11088	LRY5LLFY08002	11L078	3/3/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Date

WASTE INSPECTOR Title

/s/ Jon Tanaka

WASTE SPECIALEY Title

63/2011

COP

(Reference: O	P-2151	304)

CERT	IFICA	TE	OF	DISP	OSAL
	(LOW)	FV	FI W		

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11129	LRY5LLFY08002	11L116	3/16/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Waste Inspector

Title

/s/ Ed Takahashi

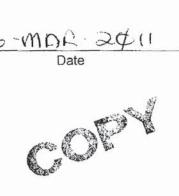
RWMC Signature

CIENTIS

Title

3 Date

6-MAL



(Reference: OP-2151.304)	

NSTec	
Form	CERTIFICATE OF DISPOSAL
FRM-2217	(LOW LEVEL WASTE)

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11090	LRY5LLFY08002	11L080	3-23-11
- Nor			

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

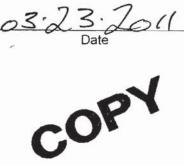
WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

WASTE SPECIALIST Title



3-23-11 Date



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11091	LRY5LLFY08002	11L081	3-23-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

3-23-11

Date

Waste Inspector

Title

RWMC Signature

Title



CERTIFICATE	OF	DISPOSAL
(LOW LEVI	EL W	(ASTE)

NSTec

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11092	LRY5LLFY08002	11L082	Date of Disposal 3-23-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

RWMC Signature

Title



3-23- 1/ Date

NSTec	
Form	
FRM-2217	

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11089	LRY5LLFY08002	11L079	3-24-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Burton Ford

RWMC Signature

WASTE Specialist

24-MOR-2011 Date



<u>З</u>-2Y- И́ Date

(Reference: OP-2151.304)

NSTec

Form

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11093	LRY5LLFY08002	11L083	Date of Disposal 3-24-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Burton Ford

WASTE Specialist

<u>3-24-1/</u> Date





3-24-11 Date

NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11094	LRY5LLFY08002	11L084	3-24-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Burton Ford

WASTE Speake HST

3-24-11 Date

24-MBK-2011

Date



NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11095	LRY5LLFY08002	11L085	3-24-11
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	4.		

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Burton Ford

RWMC Signature

WASTE Specialist

<u>24-MAR-2011</u> Date

3-24-11 Date



NSTec
Form
FRM-2217

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11096	LRY5LLFY08002	11L086	3-24-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

3-24.11 Date

Waste Inspector Title

/s/ Burton Ford **RWMC** Signature

24-MAK-2011 Date

WASTE Specialist Title

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11097	LRY5LLFY08002	11L087	3-24-11
	·		

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST

3.24.11 Date

03-24.2011 Date

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11098	LRY5LLFY08002	11L088	3-28-11
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This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

RWMC Signature

Title



Date

Date



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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11099	LRY5LLFY08002	11L089	Date of Disposal 3-28-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

3-28-11

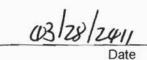
Date

Waste Inspector Title-

/s/ Louis Gregory

-RWMC Signature

LLW Supervisor Title





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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11100	LRY5LLFY08002	11L090	3/28/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Waste Inspector

Title

/s/ Ed Takahashi

RWMC Signature

31

28

25- MA & . 2 @ 11 Date



Date



Title

DOILNTISE

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11101	LRY5LLFY08002	11L091	3-28-11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Theresa Hale

WGS Signature

Waste Inspector

Title

/s/ Louis Gregory

RWMC Signature

Ulw Supervisor Title

43/28/2011

Date



3-28-11

Date

NSTec
Form
FRM-2217

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

Waste Stream Identification #	Package #	Date of Disposal
LRY5LLFY08002	11L098	3/28/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion	
WGS Signature	'

3/28/11

Date

Waste Inspector Title

/s/ Burton Ford **RWMC Signature**

28-MAR-2011 Date

WASTE Specialist



NSTec	
Form	
FRM-2217	

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11104	LRY5LLFY08002	11L117	3/28/11
f feith a constant of the constant of the constant (

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

3/28/11 Date

Waste Inspector Title

/s/ Ed Takahashi

RWMC Signature

x len

Title

28-MAR 2/11 Date 3/2.4

NSTec
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FRM-2217

CERTIFICATE OF DISPOSAL

(LOW LEVEL WASTE)

Nevada Test Site

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11105	LRY5LLFY08002	11L118	5/29/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST

Date

Date



NSTec		03/01/10
	CERTIFICATE OF DISPOSAL	
Form	CERTIFICATE OF DISPOSAL	Rev. 01
FRM-2217	(LOW LEVEL WASTE)	Page 1 of 1

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

Shipment Number	Waste Stream Identification #	Package #	Date of Disposal
DPL11106	LRY5LLFY08002	11L205	3/29/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion

WGS Signature

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE Title CINGI

Date

93-29-2011 Date



CERTIFICATE OF DISPOSAL

(LOW LEVEL WASTE)

Nevada Test Site

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

Shipment Number		te Stream ification #	P	ackage #	Date of Disposal
DPL11107	LRY5LLFY	r08002	11L206		3/29/11

This certification is provided as a courtesy to the waste generator for information purposes only.

/s/ Robert Zion WGS Signature

Date

Waste Inspector

Title

/s/ Jon Tanaka

RWMC Signature

WASTE SPECIALIST Title



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APPENDIX C

USE RESTRICTION DOCUMENTATION

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Use Restriction Information

CAU Number/Description: CAU 116/Area 25 Test Cell C Facility

Applicable CAS Number/Description: CAS 25-41-05/Test Cell C Facility

Contact (Federal Sub-Project Director/Sub-Project): Kevin Cabble/Industrial Sites

FFACO Use Restriction Physical Description:

Surveyed Area (UTM, Zone 11, NAD 27, meters):

UR Points	Northing	Easting
1	4,076,177.13	564,474.41
2	4,076,176.92	564,455.98
3	4,076,174.62	564,455.98
4	4,076,174.41	564,449.07
5	4,076,186.34	564,449.07
6	4,076,186.34	564,453.68
7	4,076,204.35	564,453.47
8	4,076,204.21	564,448.62
9	4,076,210.42	564,444.63
10	4,076,220.63	564,429.98
11	4,076,241.49	564,430.10
12	4,076,241.49	564,490.67
13	4,076,204.76	564,490.67
14	4,076,204.77	564,474.20

Depth: <u>0–12 feet below ground surface</u>

Survey Source (GPS, GIS, etc): GIS

Basis for FFACO UR(s):

Summary Statement: The use restriction (UR) was implemented due to radiological activation of the concrete reactor pad north of Building 3210 and remaining radiological and polychlorinated biphenyl-impacted demolition debris in the grouted basement of Building 3210.

Contaminants Table:

Maximum Concentration of Contaminants for CAU 116 CAS 25-41-05, Test Cell C Facility				
Constituent	Maximum Concentration	Action Level	Units	
PCBs	10,000	25	ppm	
CS-137, Sr-90, U-234, U-235, and U-238	10,000 beta/gamma; 300 alpha	See the Nevada Test Site Radiological Control Manual	dpm/100 cm ²	

Site Controls: Fence around the Test Cell C compound and UR warning signs around the UR boundary

UR Maintenance Requirements:

Description: <u>Certify that postings are in place, intact, and readable</u>. <u>This UR must be entered into the DOE/NV</u> Facility Information Management System (FIMS) and the FFACO databases.</u>

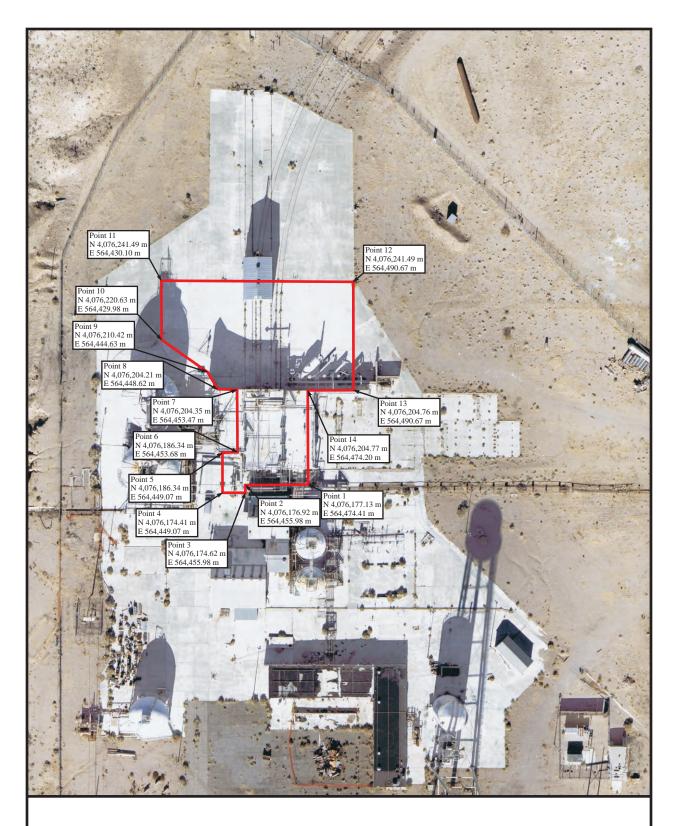
Inspection/Maintenance Frequency: Annual

The future use of any land related to this Corrective Action Unit (CAU), as described by the above surveyed location, is restricted from any DOE or Air Force activity that may alter or modify the containment control as approved by the state and identified in the CAU CR or other CAU documentation unless appropriate concurrence is obtained in advance.

Comments: <u>See the Closure Report for additional information on the condition of the site.</u> Results of the annual inspection will be provided in the annual combined Nevada National Security Site Post-Closure Letter Report.

Submitted By: /s/ Kevin Cabble

Date: 9-8-11



CAS 25-41-05, TEST CELL C FACILITY, USE RESTRICTION BOUNDARY

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APPENDIX D

SITE CLOSURE PHOTOGRAPHS

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PHOTOGRAPH LOG

PHOTOGRAPH NUMBER	DATE	DESCRIPTION	
1	08/13/2007	Pipe Draining	
2	11/01/2007	Pipe Draining	
3	01/22/2008	Grouting Rail Trenches	
4	01/31/2008	Lead Sheet Removal	
5	10/13/2008	Asbestos Abatement	
6	11/17/2008	Cadmium Foil Removal	
7	12/01/2008	Lead Bricks	
8	07/01/2009	Building 3211 before Demolition	
9	07/01/2009	Demolition of Building 3211	
10	07/07/2009	Size Reduction of Building 3211 Debris	
11	07/15/2009	Nuclear Furnace Piping Area Prepared for Removal	
12	07/21/2009	Tanks Associated with Nuclear Furnace Piping before Removal	
13	07/22/2009	Removal of Nuclear Furnace Piping	
14	07/27/2009	Removal of Nuclear Furnace Piping	
15	08/20/2009	Removal of Tanks	
16	08/25/2009	Tanks Loaded for Disposal	
17	08/27/2009	After Removal of Nuclear Furnace Piping	
18	09/13/2009	After Removal of Tanks Associated with Nuclear Furnace Piping	
19	09/13/2010	Circuit Boards	
20	09/15/2010	Housekeeping Debris	
21	10/14/2010	Removal of Paint Chips from the Roof	
22	10/19/2010	Grouting Penetrations in the Concrete Pad	
23	11/01/2010	Grouting Penetrations in the Basement	
24	11/08/2010	Circuit Boards	
25	11/08/2010	Building 3210	
26	11/30/2010	Demolition of the Concrete Shield Wall	
27	12/15/2010	Demolition of Building 3210	
28	12/16/2010	Demolition of Building 3210	
29	12/20/2010	Demolition of Building 3210	
30	01/03/2011	Demolition of Building 3210	
31	01/06/2011	Demolition of Building 3210	
32	01/06/2011	Demolition of Building 3210	

PHOTOGRAPH NUMBER	DATE	DESCRIPTION
33	01/11/2011	Lead Bricks Removed During Demolition of Building 3210
34	01/12/2011	Demolition of Building 3210
35	01/18/2011	Demolition of Building 3210
36	01/24/2011	Demolition of Building 3210
37	01/26/2011	Demolition of Building 3210
38	02/03/2011	Demolition of Building 3210
39	02/09/2011	Demolition of Building 3210
40	02/15/2011	Demolition of Building 3210
41	02/24/2011	Demolition of Building 3210
42	02/24/2011	Demolition of Building 3210
43	03/01/2011	Demolition of Building 3210
44	03/07/2011	Backfilling Basement
45	03/30/2011	Preparation of Basement for Placement of Concrete
46	04/04/2011	Placement of Concrete
47	04/12/2011	Grouted Basement
48	04/12/2011	Use Restriction and Radiological Warning Signs around the Basement of Building 3210
49	09/01/2011	Coring for Installation of Use Restriction Warning Signs around the Concrete Reactor Pad North of Building 3210
50	09/01/2011	Use Restriction Warning Sign around the Concrete Reactor Pad North of Building 3210



Photograph 1: Pipe Draining, 08/13/2007



Photograph 2: Pipe Draining, 11/01/2007



Photograph 3: Grouting Rail Trenches, 01/22/2008



Photograph 4: Lead Sheet Removal, 01/31/2008



Photograph 5: Asbestos Abatement, 10/13/2008



Photograph 6: Cadmium Foil Removal, 11/17/2008



Photograph 7: Lead Bricks, 12/01/2008



Photograph 8: Building 3211 before Demolition, 07/01/2009



Photograph 9: Demolition of Building 3211, 07/01/2009



Photograph 10: Size Reduction of Building 3211 Debris, 07/07/2009



Photograph 11: Nuclear Furnace Piping Area Prepared for Removal, 07/15/2009



Photograph 12: Tanks Associated with Nuclear Furnace Piping before Removal, 07/21/2009



Photograph 13: Removal of Nuclear Furnace Piping, 07/22/2009



Photograph 14: Removal of Nuclear Furnace Piping, 07/27/2009



Photograph 15: Removal of Tanks, 08/20/2009



Photograph 16: Tanks Loaded for Disposal, 08/25/2009



Photograph 17: After Removal of Nuclear Furnace Piping, 08/27/2009



Photograph 18: After Removal of Tanks Associated with Nuclear Furnace Piping, 09/13/2009



Photograph 19: Circuit Boards, 09/13/2010



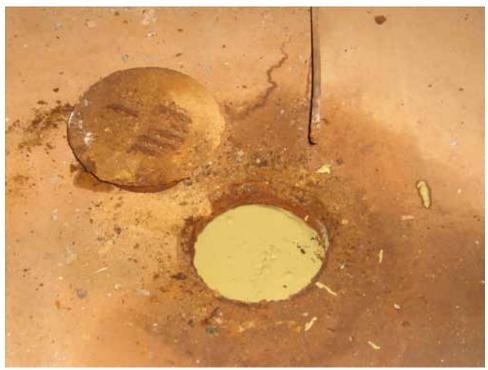
Photograph 20: Housekeeping Debris, 09/15/2010



Photograph 21: Removal of Paint Chips from the Roof, 10/14/2010



Photograph 22: Grouting Penetrations in the Concrete Pad, 10/19/2010



Photograph 23: Grouting Penetrations in the Basement, 11/01/2010



Photograph 24: Circuit Boards, 11/08/2010



Photograph 25: Building 3210, 11/08/2010



Photograph 26: Demolition of the Concrete Shield Wall, 11/30/2010



Photograph 27: Demolition of Building 3210, 12/15/2010



Photograph 28: Demolition of Building 3210, 12/16/2010



Photograph 29: Demolition of Building 3210, 12/20/2010



Photograph 30: Demolition of Building 3210, 01/03/2011



Photograph 31: Demolition of Building 3210, 01/06/2011



Photograph 32: Demolition of Building 3210, 01/06/2011



Photograph 33: Lead Bricks Removed During Demolition of Building 3210, 01/11/2011



Photograph 34: Demolition of Building 3210, 01/12/2011



Photograph 35: Demolition of Building 3210, 01/18/2011



Photograph 36: Demolition of Building 3210, 01/24/2011



Photograph 37: Demolition of Building 3210, 01/26/2011



Photograph 38: Demolition of Building 3210, 02/03/2011



Photograph 39: Demolition of Building 3210, 02/09/2011



Photograph 40: Demolition of Building 3210, 02/15/2011



Photograph 41: Demolition of Building 3210, 02/24/2011



Photograph 42: Demolition of Building 3210, 02/24/2011



Photograph 43: Demolition of Building 3210, 03/01/2011



Photograph 44: Backfilling Basement, 03/07/2011



Photograph 45: Preparation of Basement for Placement of Concrete, 03/30/2011



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Photograph 48: Use Restriction and Radiological Warning Signs around the Basement of Building 3210, 04/12/2011



Photograph 49: Coring for Installation of Use Restriction Warning Signs around the Concrete Reactor Pad North of Building 3210, 09/01/2011



Photograph 50: Use Restriction Warning Sign around the Concrete Reactor Pad North of Building 3210, 09/01/2011

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