

**Excavation Plan
Technical Area III
Classified Waste Landfill
Final
March 2009**

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SOLID WASTE BUREAU

Prepared by
Sandia National Laboratories, Albuquerque, New Mexico
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TABLE OF CONTENTS

LIST OF FIGURES	ii
LIST OF TABLES	iii
LIST OF APPENDICES	iv
ACRONYMS AND ABBREVIATIONS	v
1.0 INTRODUCTION	1
2.0 LANDFILL DESCRIPTION AND HISTORY	1
2.1 Site Setting	1
2.2 Site History	2
2.3 Current Operations	3
3.0 MATERIAL DESCRIPTION	3
4.0 REMOVAL	4
4.1 Health and Safety Program	4
4.2 Preliminary Site Surveys	4
4.2.1 Surface Radiological Survey	4
4.2.2 Geodetic Survey	4
4.2.3 National Environmental Protection Act and Historic Preservation Act Reviews	5
4.2.4 Methane Monitoring	5
4.2.5 Site Mobilization	5
4.3 Removal and Disposition	5
4.3.1 Cover Removal	5
4.3.2 Exploratory Pits	6
4.3.3 Removal	6
4.3.4 Sorting and Segregation	6
4.3.5 Storage, Transportation, and Disposition	7
4.3.6 Residual Soil Stockpiling	7
4.3.7 Field-Screening Methods	7
4.3.8 Work Limitations and Stop-Work Conditions	7
4.4 Residual Soil Sampling	8
4.5 Backfilling and Site Restoration	8
4.6 Notification to New Mexico Environment Department	9
4.7 Schedule of Proposed Activities	9
5.0 REFERENCES	9

LIST OF FIGURES

Figure

- Figure 1-1 Location Map, Sandia National Laboratories/New Mexico
- Figure 1-2 Location Map of the Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
- Figure 2-1 Site Map of the Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
- Figure 2-2 Surface Drainages near the Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

LIST OF TABLES

Table

Table 1-1	Applicable Excavation Checklist Requirements and Corresponding Excavation Plan Location, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
Table 2-1	Summary of Placement, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
Table 4-1	Proposed Schedule for the Technical Area III Classified Waste Landfill Excavation, Sandia National Laboratories, New Mexico

LIST OF APPENDICES

Appendix

Appendix A Aerial and Ground Photographs of the TA-III Classified Waste Landfill

Appendix B TA-III Classified Waste Landfill Inventory

Appendix C Site-Specific Health and Safety Plan, TA-III Classified Waste Landfill

Appendix D Waste Hauler Registration

ACRONYMS AND ABBREVIATIONS

amsl	above mean sea level
DOE	U.S. Department of Energy
DSO	disassembly sanitization operation
EPA	U.S. Environmental Protection Agency
°F	degrees Fahrenheit
ISMS	Integrated Safety Management System
KAFB	Kirtland Air Force Base
LEL	lower explosive limit
NMED	New Mexico Environment Department
OSHA	Occupational Safety and Health Administration
PID	photoionization detector
SNL/NM	Sandia National Laboratories/New Mexico
SSHASP	Site-Specific Health and Safety Plan
SWB	Solid Waste Bureau
SWTF	Solid Waste Transfer Facility
TA	Technical Area
VOC	volatile organic compound
yd ³	cubic yard(s)

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1.0 INTRODUCTION

This Excavation Plan for the Technical Area (TA)-III Classified Waste Landfill is submitted by the U.S. Department of Energy/National Nuclear Security Administration/Sandia Site Office (DOE/NNSA/SSO) and Sandia Corporation (Sandia) for compliance with the requirements of Section 20.9.6 of the New Mexico Administrative Code at Sandia National Laboratories/New Mexico (SNL/NM). The DOE classification of the material will be removed prior to determining applicable disposition as solid or hazardous waste. There is a possibility that exhumed classified material may require further storage. DOE/NNSA/SSO and Sandia propose to excavate all material within the landfill to improve long-term security and simultaneously reduce future environmental monitoring associated with the site. Table 1-1 addresses the applicable excavation checklist requirements and lists the location in this document where each requirement is discussed. This plan identifies all steps necessary to excavate and close the TA-III Classified Waste Landfill. Following excavation, the site will be restored commensurate with future industrial land use.

SNL/NM is located within the boundaries of Kirtland Air Force Base (KAFB), immediately south of the city of Albuquerque in Bernalillo County, New Mexico (Figure 1-1). KAFB occupies 51,559 acres. SNL/NM is managed and operated by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation (SNL/NM September 2007) for the DOE. SNL/NM personnel conduct operations within 8,585 acres of land on KAFB and perform research and development in support of various energy programs, nuclear weapons programs, and the national security mission (SNL/NM September 2007).

SNL/NM research and administration facilities are divided into five TAs designated I through V, and several remote test areas. TA-I, TA-II, and TA-IV are separate research facilities in the north-central portion of KAFB. TA-III and TA-V are contiguous research facilities that form a 4.5-square-mile rectangular area in the southwestern portion of KAFB. TA-III alone encompasses 2,000 acres. The Classified Waste Landfill is enclosed in a secured site located on the eastern boundary of TA-III (Figure 1-2).

This document is organized as follows: Section 2.0 contains a description of the landfill; Section 3.0 describes the material that has been placed in the landfill; Section 4.0 presents the excavation and removal methods; and references cited are provided in Section 5.0.

2.0 LANDFILL DESCRIPTION AND HISTORY

2.1 Site Setting

The TA-III Classified Waste Landfill is located on the eastern boundary of TA-III (Figure 1-2) in a secured site encompassing approximately 5 acres (Figure 2-1). A 6-foot-high, chain-link fence surrounds the landfill site (Figures A-7 and A-8, Appendix A). The site slopes gently to the west with elevations ranging from 5,440 feet above mean sea level (amsl) near Eubank Boulevard on the east to 5,430 feet amsl on the western fence boundary (Figure 2-2). No major arroyo channels occur in the area; however, a small roadside drainage ditch that diverts surface runoff from Eubank Boulevard cuts across the southeastern corner of the site to flow into a roadside drainage along the outside southern fence. Most surface-water flow occurs along this road ditch into westward drainages (Figure 2-2).

The region's semiarid climate averages approximately 8.5 inches of annual precipitation resulting primarily from thunderstorms between July and October. Daytime summer temperatures average approximately 90 degrees Fahrenheit (°F), and daytime winter temperatures average approximately 50°F (SNL/NM September 2007). Vegetation at the site primarily consists of native grasses.

The TA-III Classified Waste Landfill is comprised of two north-south-oriented trenches, identified as Pits A and B, and a bermed surface depression oriented parallel to the southern fence boundary (Figure 2-1; Figure A-7, Appendix A). No structures, equipment, or materials are present anywhere on the site.

2.2 Site History

Pit A was filled during seven placement events (or "batches") that occurred between May 1989 and November 1993. Approximately 482,468 pounds of classified material, summarized in Table 2-1, was emplaced in the unlined trench during this time. Pit A, located parallel to the westernmost security fence, is oriented in a north-south direction and is approximately 300 feet in length, 20 feet in width, and approximately 12 feet in depth (based upon the current depth of Pit B) (Figure A-10, Appendix A) and contains approximately 2,666 cubic yards (yd³) of material. Pit A is closed and covered with a mounded soil cover approximately 2 to 3 feet high at the centerline of the pit (Figure A-9, Appendix A).

Record searches for available aerial photographs were performed for the years 1989 through 1994 with the SNL/NM Historian and contracted to the Earth Data Analysis Center in Albuquerque, New Mexico. The searches identified aerial photographs from years 1989, 1990, 1991, and 1992. No aerial photographs are available for the years 1993 and 1994. Based upon the aerial photographs, the site was fenced by March 1989, prior to the first placement in May 1989 (Figure A-1, Appendix A). There are no indications of historical operational activity at the site prior to 1989. In the September 1990 aerial photograph (Figure A-3, Appendix A), a new excavation is visible prior to the placement of Batch 3 in October 1990. The bermed surface depression is also visible in this photograph. Aerial photographs from 1991 are on a larger scale but the landfill appears to extend further north consistent with placement of Batches 3 and 4. The March 1992 aerial photograph (Figure A-6, Appendix A), the latest available when Pit A received material, was taken prior to the Batch 5 placement in July 1992.

Pit B, located east of Pit A (Figure 2-1), is an empty, open trench approximately 130 feet in length, 20 feet in width, and approximately 12 feet in depth (Figure A-10, Appendix A). A large soil pile immediately east of the trench is presumably residual soil excavated from Pit B (Figure A-11, Appendix A). Pit B was excavated sometime after November 1993 based upon the aerial photograph, but the exact date is not known and aerial photographs are not available for this timeframe. No material was ever placed in this trench (Shaw May 2008a).

The shallow surface depression is bermed on three sides, measuring approximately 125 feet in length and 20 feet in width, with a maximum depth of 1 to 1.5 feet (Figure 2-1). No staining is visible in the depression and it is filled with native vegetation. The surface depression was not part of the routine landfill operation (Shaw May 2008a), although it was constructed somewhat contemporaneously with Pit A based upon the September 1990 aerial photograph (Figure A-1, Appendix A). The intended use or history of the surface depression is not known. However, because the surface depression is contemporaneous with Pit A and has similar surface

dimensions, it is possible that this location was initially intended for use as Pit A, which was likely relocated to the more secure site (away from the road) prior to excavating any deeper.

2.3 Current Operations

The TA-III Classified Waste Landfill is operational but has not received any additional material since the Batch 7 placement in November of 1993. The site is inspected quarterly, which includes methane monitoring along the perimeter security fence (SNL/NM, March 2008). The methane monitoring has been conducted using an Industrial Scientific MX 251 O2/LEL [lower explosive limit] monitor (or equivalent) since July 1996. The sample collection consists of walking along the outside perimeter of the security fence with the instrument extension approximately 15 inches from the ground surface. Stationary readings of 5- to 10-second duration are taken approximately every 50 yards via the extension at a distance of approximately 3 feet from the fence on the interior of the landfill. This method has been used at all sampling locations. The instrument was set in percent LEL mode with readings taken on a continuous basis. The results have been 0 percent LEL for all quarters since measurements began in 1996. (SNL/NM December 2007 and March 2008; Shaw April 2008). Methane generation is not anticipated at the TA-III Classified Waste Landfill due to the nature of the materials (described in Section 3.0). Annual reports for the landfill have been continuously submitted to the NMED SWB since 1992.

3.0 MATERIAL DESCRIPTION

During the period of material acceptance for the TA-III Classified Waste Landfill, all classified materials at SNL/NM were tracked on "Classified Material Accountability Records" forms. Once received at the temporary storage yard, each classified material was reviewed for potential reapplication, recycling, storage, or placement in the TA-III Classified Waste Landfill. Prior to placement in the landfill, each material listed was reviewed by SNL/NM Environment, Safety, and Health personnel for hazardous materials and/or waste. Any hazardous material and/or waste were redirected to other SNL/NM operations (Shaw May 2008a). Additionally, all materials were inspected by an SNL/NM Radiological Control Technician prior to acceptance and again prior to the batch shipment leaving the yard for placement to ensure that radioactive materials were not placed in the landfill (Shaw May 2008b).

Between 1989 and 1993, seven events have occurred with batches emplaced in Pit A at the TA-III Classified Waste Landfill. Batch 1 was emplaced on May 4, 1989, and Batch 7 was emplaced on November 19, 1993. Table 2-1 summarizes the types of material emplaced in the landfill, and Appendix B provides a detailed inventory of each item emplaced based upon review of records. The records identify materials emplaced including weapons scrap metal, plastic, and computer and printer parts. The materials contained little or no paper, but wood scraps and pallets were emplaced in the landfill. The weight of the batches varied from 9,000 to 259,897 pounds. The total volume is approximately 482,468 pounds.

Prior to a placement event, the pit was excavated and lengthened using a front-end loader from a northern access road within the site. Classified material was emplaced from the side into the newly excavated area and included palletized materials, large items, and loose materials such as computer tapes and disks (Shaw May 2008a). The materials were compacted horizontally with the front-end loader, and a vertical soil barrier, approximately 6 feet in thickness, was constructed at the northern end after each placement to hold material in position. The soil cover

was constructed over each placement immediately following the event. Steel pipe monuments, extending approximately 3 feet above the soil cover, were placed upright within each of the vertical barrier walls to locate the northern extent of each placement event (Figure A-9, Appendix A).

4.0 REMOVAL

4.1 Health and Safety Program

All excavation and handling at the TA-III Classified Waste Landfill will be performed in compliance with a site-specific health and safety plan (SSHASP) (Appendix C). This SSHASP adheres to the DOE Worker Safety and Health Program in 10 Code of Federal Regulations (CFR) Part 851, incorporating the applicable federal Occupational Safety and Health Administration (OSHA) standards. In addition, the project will also comply with the State of New Mexico OSHA standards. The SNL/NM Integrated Safety Management System (ISMS) will be incorporated into this project; ISMS includes definition of the scope of work; analysis and categorization of hazards; development and implementation of controls; performance of the work or task; and feedback and improvement.

4.2 Preliminary Site Surveys

4.2.1 Surface Radiological Survey

A surface radiological walkover survey will be performed at the TA-III Classified Waste Landfill to address potential worker safety and protection issues prior to work activities and to establish site-specific background readings for both beta- and gamma-emitting radionuclides. The survey grid will comprise 100-percent coverage over Pit A, including a 10-foot-wide buffer on all sides of Pit A. A grid of 25-percent coverage will be surveyed on the remainder of the site. The radiological walkover survey will be performed in accordance with current SNL/NM radiological procedures.

4.2.2 Geodetic Survey

Geodetic surveys will be conducted to locate the perimeter fence, Pit A and steel pipe monuments present in Pit A, Pit B, the surface depression, and relevant site layout features prior to mobilization. In addition, geodetic surveys will be performed to document field activities such as excavation locations. Geodetic surveys will be completed using a Trimble GeoXT hand-held global positioning system, or equivalent. The coordinate values will be expressed in the New Mexico State Plane Coordinate System (Universal Transverse Mercator), Central Zone, North American Datum 1927.

4.2.3 National Environmental Protection Act and Historic Preservation Act Reviews

Historical SNL/NM biological and cultural resource surveys will be reviewed to ensure compliance with the National Environmental Protection Act and the Historic Preservation Act prior to initiating field activities.

4.2.4 Methane Monitoring

Baseline monitoring will be conducted prior to excavation activities within the upper soil cover of Pit A to ensure worker protection. Power augers (or equivalent) may be utilized to allow measurement of gas in the upper 18 to 24 inches of the cover. A four-gas meter (H₂S, CO, CH₄, O₂), that also measures LEL, will be utilized on 10-foot grid spacing over the trench (including a 10-foot buffer on all sides of the trench).

4.2.5 Site Mobilization

The TA-III Classified Waste Landfill is a secured site encompassing approximately 5 acres surrounded by a 6-foot-high, chain-link fence. Mobilization and site layout will be conducted following the preliminary site surveys. Site mobilization activities will include both completion of internal SNL/NM planning documents and actual site preparation activities. SNL/NM internal planning documents may consist of work plans, security plans, management plans, internal and external permits associated with the excavation activities and other federal and New Mexico regulatory requirements, and contract supporting documents.

Site preparation activities will include vegetation grubbing and removal; security fence relocation and upgrades as necessary to allow appropriate site layout and to meet security requirements; backfilling of Pit B; construction of site canopy structures as required; construction of segregation areas and temporary storage areas; installation of electrical power and automated security systems (as needed), and other support facilities as required.

4.3 Removal and Disposition

4.3.1 Cover Removal

The existing soil cover on Pit A is approximately 3 feet in thickness and may have a total volume of approximately 700 yd³. The soil cover will be incrementally removed in conjunction with the excavation progress of each cell. The soil will be removed, stockpiled, and sampled for laboratory analysis (Section 4.4). Pending receipt of laboratory analytical results, residual soil that meets both the fill requirements described in Section 4.5 and environmental criteria (i.e., poses acceptable risk to human health or the environment) may be used during site restoration. Soil that does not meet environmental criteria will be treated as waste and handled by other SNL/NM waste operations.

4.3.2 Exploratory Pits

Exploratory pits to locate Pit A and identify contents will not be necessary for this removal action. DOE/NNSA/SSO and Sandia have accurate records for the TA-III Classified Waste Landfill consisting of aerial photographs, trench dimensions, and backfill monuments for each of the seven cells. Following the geodetic survey (Section 4.2.2), DOE/NNSA/SSO and Sandia will have the necessary location controls to delineate the Pit A perimeter. Additionally, DOE/NNSA/SSO and Sandia have an inventory record (Appendix B) of all materials contained in each cell and does not require preliminary waste characterization. Finally, unlike a municipal landfill, each cell has been generated during a unique, documented placement event and is composed of a single layer with no intervening horizontal soil layers. Following excavation, the in situ soil layer exposed at the bottom of each cell will be readily identifiable.

4.3.3 Removal

Classified materials may be incrementally removed from Pit A. All removal operations will be conducted within the security fencing. Material may be removed utilizing excavators, front-end loaders, and lifting devices (as necessary) for larger items. Site conditions will dictate the specific excavation methods. Trench sidewalls will be stabilized as necessary in accordance with the SSHASP. As material is excavated from the trench, it will be transferred to a prepared layout pad and spread out to facilitate screening. A radiological survey will be performed to verify the absence of radiological contamination. Classified items, such as weapons components and computer parts, will be removed from the layout pad. Large items identified in the trench may be removed directly from the trench in which they are exposed. A conveyor system may also be employed.

After the initial material removal, the remaining material (soil, smaller items, and debris) may be placed in a screen plant to segregate soil from debris. A smaller, mobile "grizzly" screen unit may also be used depending upon site conditions. Additional hand sorting may be performed to remove debris from cobbles that are segregated by the screen plant. The debris processed by the screen plant will then be sent to a sorting and segregation area.

4.3.4 Sorting and Segregation

Items retrieved from the screen plant process or directly removed from the trench will be initially sorted and segregated based upon DOE classification. A second radiological survey will be performed of all retrieved materials during this stage to confirm that they are free of radiological contamination. Classified materials will be handled in accordance with the most current SNL/NM disassembly sanitization operation (DSO) process. Classified materials removed from the trench may be disassembled to allow complete or partial recycling of weapons components and associated equipment. The DSO process is expected to result in recyclable metals, nonhazardous solid waste, and classified materials that require continued future storage. Radioactive materials are not anticipated in the material stream. All materials will be inspected to ensure compliance with current solid and hazardous waste regulations.

4.3.5 Storage, Transportation, and Disposition

Based upon the sorting and segregation process (Section 4.3.4) and the SNL/NM DSO process, excavated landfill materials are anticipated to consist of classified materials requiring further storage, nonhazardous solid waste, or recyclable metals. Classified materials will be repackaged in secure containers and transported by SNL/NM personnel or its contractors to designated storage facilities either at SNL/NM or off site. Solid waste and recyclable metals will be stored in bins prior to transportation by SNL/NM personnel or its contractors to the SNL/NM Hazardous Waste Management Facility (HWMF) for processing with the routine solid waste stream. All non-hazardous solid waste will then be transported to the Solid Waste Transfer Facility (SWTF) and are subjected to 100-percent screening to ensure that no prohibited materials are shipped to the permitted solid waste disposal facility or recycling facilities. Currently, Rinchem Company, Inc. is the registered waste hauler (Appendix D) for SNL/NM.

The additional solid waste from the TA-III Classified Waste Landfill will be generated over a period estimated to be one to two years, and the volume is anticipated to be less than 1 percent of the annual throughput of the SWTF (5 million pounds combined for SNL/NM, KAFB, and DOE/NNSA; SNL/NM September 2007). A waste profile will be submitted to Rio Rancho Landfill for approval prior to shipment.

4.3.6 Residual Soil Stockpiling

Residual soil generated from the screening process or from trench stabilization activities will be segregated and stockpiled from each designated cell, sampled, and submitted for laboratory analyses. Pending receipt of laboratory analytical results (Section 4.4), residual soil that meets both the fill requirements described in Section 4.5 and environmental criteria (i.e., poses acceptable risk to human health or the environment) may be used during site restoration.

4.3.7 Field-Screening Methods

This section describes primary field-screening methods to support environmental decisions; these are not intended for worker protection. Sampling locations and soil samples will undergo field-screening tests including: (1) visual examination; (2) radiological screening using instrumentation with alpha- and beta/gamma-emitter detectors; and (3) vapor screening for volatile organic compounds (VOCs) using a photoionization detector (PID). A radiological or VOC field-screening result that exceeds the ambient background measurement is defined as greater than 2 times the measured background value.

4.3.8 Work Limitations and Stop-Work Conditions

Work activities are anticipated to be conducted during a normal 5-day workweek. No night-shift work is proposed at this time. Because of the labor-intensive task of manually handling the materials due to security requirements, the daily excavation volume is limited to the daily volume of sorting, segregation, and disposition that can be achieved. DOE/NNSA/SSO and Sandia anticipate processing an average of 5 to 10 yd³ per day or an excavation rate of approximately 1 linear foot per day. However, the batch excavation schedule may be intermittent in order to assimilate exhumed classified materials back into storage operations.

Work operations will be stopped due to inclement weather (including high winds) or monitoring results that require the Site Safety Officer to implement additional hazard controls. When the hazardous conditions are mitigated, work activities will resume.

4.4 Residual and Confirmatory Soil Sampling

Excavated soil from each cell, including both the soil cover and residual soil matrix generated during the screening process, will be stockpiled. Prior to use as backfill, a minimum of 1 sample per 100 yd³ will be collected and field-screened. Soil samples will be manually collected using the spade and scoop method and/or hand augers. All samples will be placed into a stainless-steel mixing bowl and screened for VOCs with a PID prior to homogenization of the sample in the bowl. Samples will also be screened for radioactivity. If field-screening results exceed 2 times background for VOCs, the soil samples will also be analyzed for VOCs using U.S. Environmental Protection Agency (EPA) Method 8260B (EPA 1986). If the field-screening results exceed 2 times background for either alpha-, beta-, and/or gamma-emitting radionuclides, the soil samples will also be analyzed for alpha, beta, and gamma spectroscopy using Environmental Measurements Laboratory HASL-300 (DOE 1997).

If visible oil-staining is observed in the residual soil, the samples will be analyzed for total petroleum hydrocarbons (diesel range organics) using EPA Method 8015B (EPA 1986). If material removed from a cell appears associated with electrical equipment that may have contained oils, the soil samples within a cell will be analyzed for polychlorinated biphenyls using EPA Method 8082 (EPA 1986).

Confirmatory soil samples will be collected from the bottom of Pit A following removal of waste. Trench side-wall locations (and additional trench-bottom locations) will only be sampled if field-screening tests (Section 4.3.7) or visual evidence indicate a release of potential contaminants to the environment. Sample(s) will be collected from Pit B prior to backfilling. In addition, the bermed surface depression will also be sampled. All soil samples collected from Pits A and B, and the bermed surface depression will be submitted to an off-site laboratory for analysis of Target Analyte Metals using EPA Method 6010B/6020 and semivolatile organic compounds using EPA Method 8270C. Detailed sampling information, including specific sample locations and over all number of samples, will be provided in a Sampling and Analysis Plan (SAP) to be complete at a later date.

Additional sampling and/or analyses may be performed as indicated by field conditions or laboratory analytical results.

4.5 Backfilling and Site Restoration

Pits A and B will be backfilled as part of site restoration. (Pit B will be backfilled prior to excavation of Pit A.) All backfilling procedures and fill material will meet the current SNL/NM requirements.

Following backfilling, removal of temporary structures, and site demobilization, any disturbed areas will be graded and reseeded for native grass. The seeding specification will meet the current SNL/NM requirements for seed application to ensure proper growth and density of native species. The specification includes site preparation, native grass seed type and quantity,

and post-seeding requirements. Security fencing will not be removed until final future land use is determined.

4.6 Notification to New Mexico Environment Department

DOE/NNSA/SSO and Sandia will submit a notification to the NMED SWB 30 days in advance of commencement of scheduled activities. At this time, a detailed schedule will also be submitted for the excavation and removal of material from the landfill (Section 4.7).

4.7 Schedule of Proposed Activities

Due to the uncertainties in the Fiscal Year 2009 federal budget and security issues associated with the handling of classified materials, DOE/NNSA/SSO and Sandia propose to submit a detailed excavation schedule in conjunction with the NMED SWB notification of commencement of scheduled activities (Section 4.6). The general proposed schedule for the TA-III Classified Waste Landfill excavation is provided in Table 4-1.

5.0 REFERENCES

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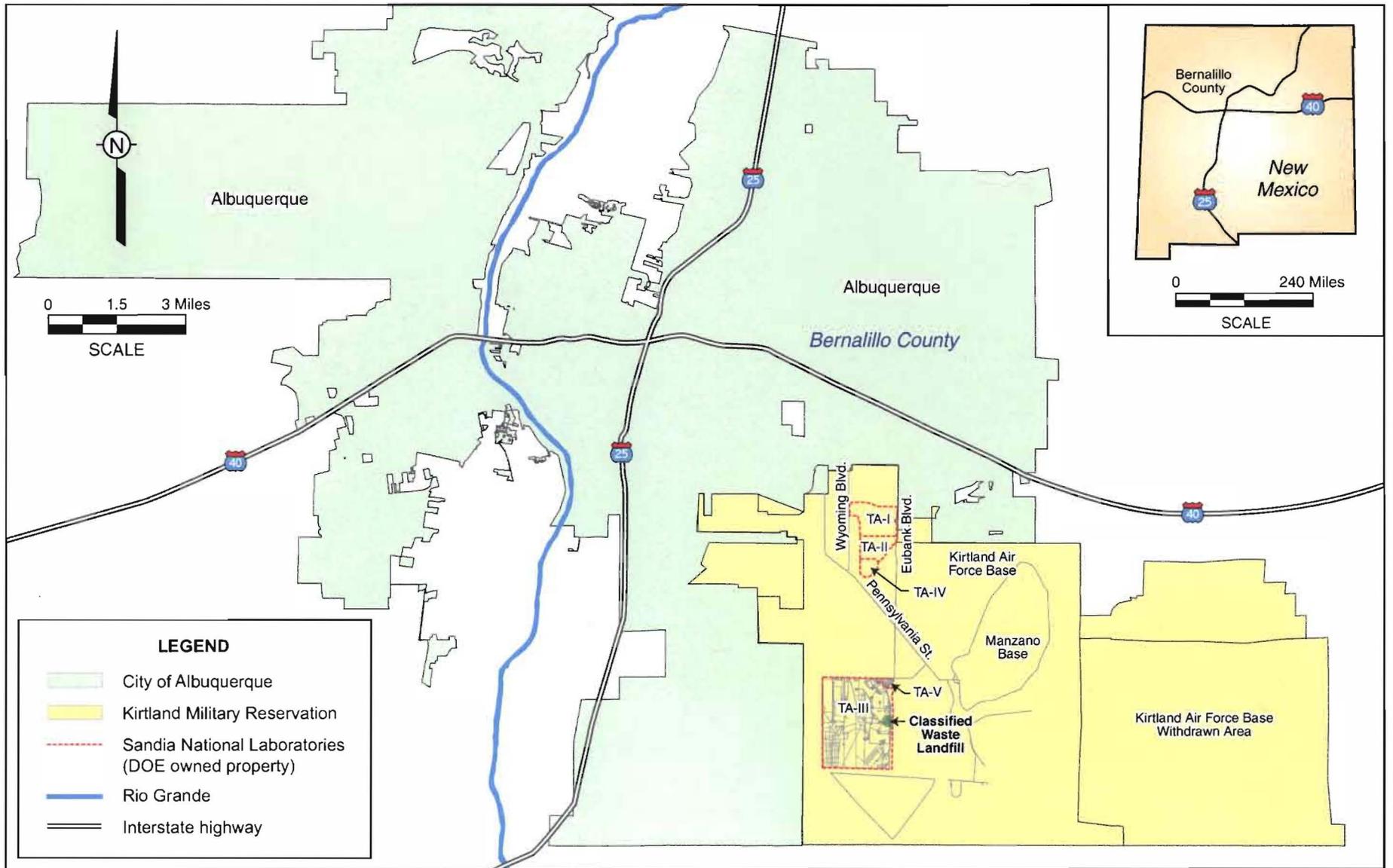
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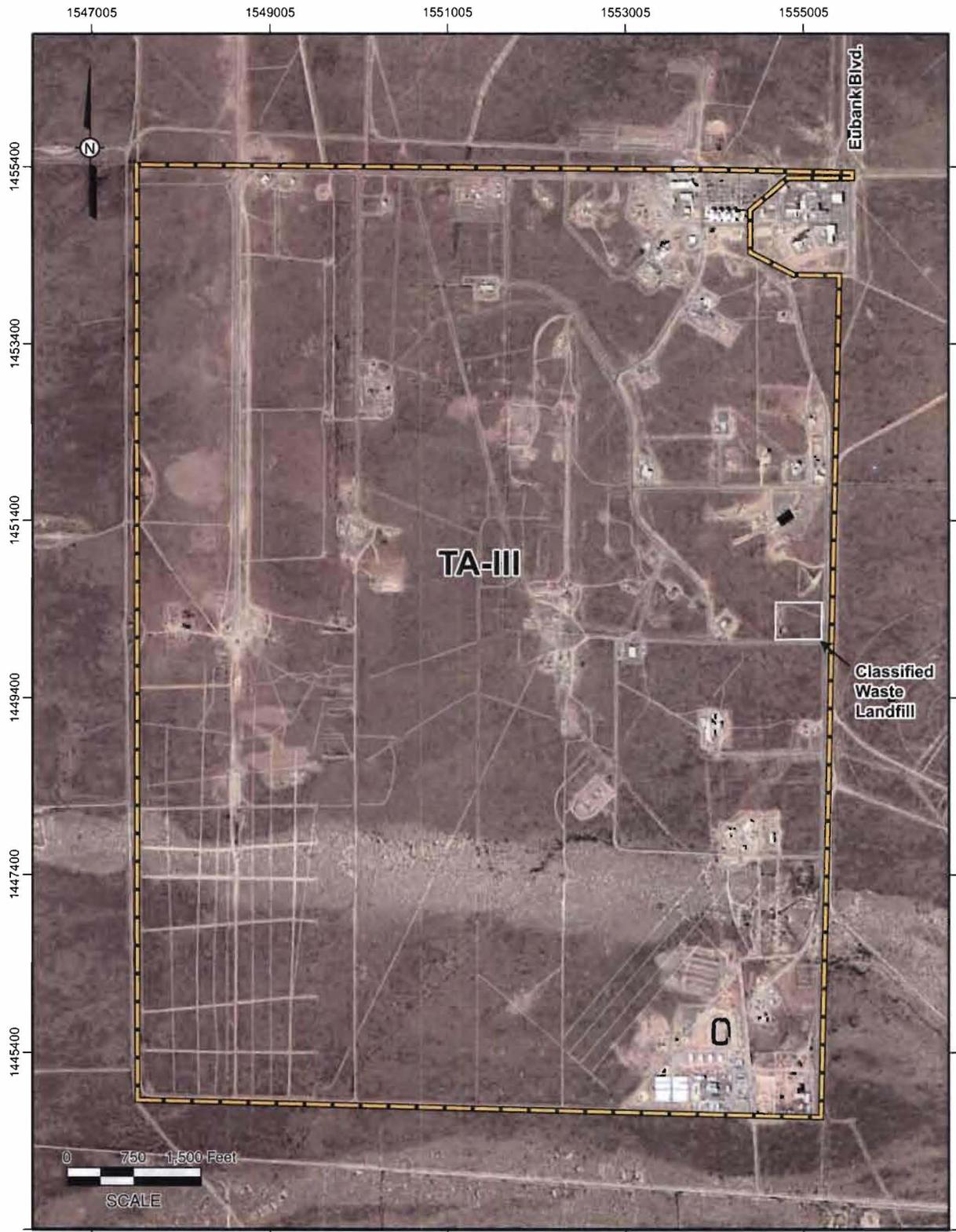


FIGURES



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Figure 1-1
Location Map
Sandia National Laboratories, New Mexico



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New Mexico State Plane Central, NAD83, feet
Aerial photo from Microsoft Terraserver, 2006

Figure 1-2
Location Map of the Technical Area III Classified Waste Landfill
Sandia National Laboratories, New Mexico



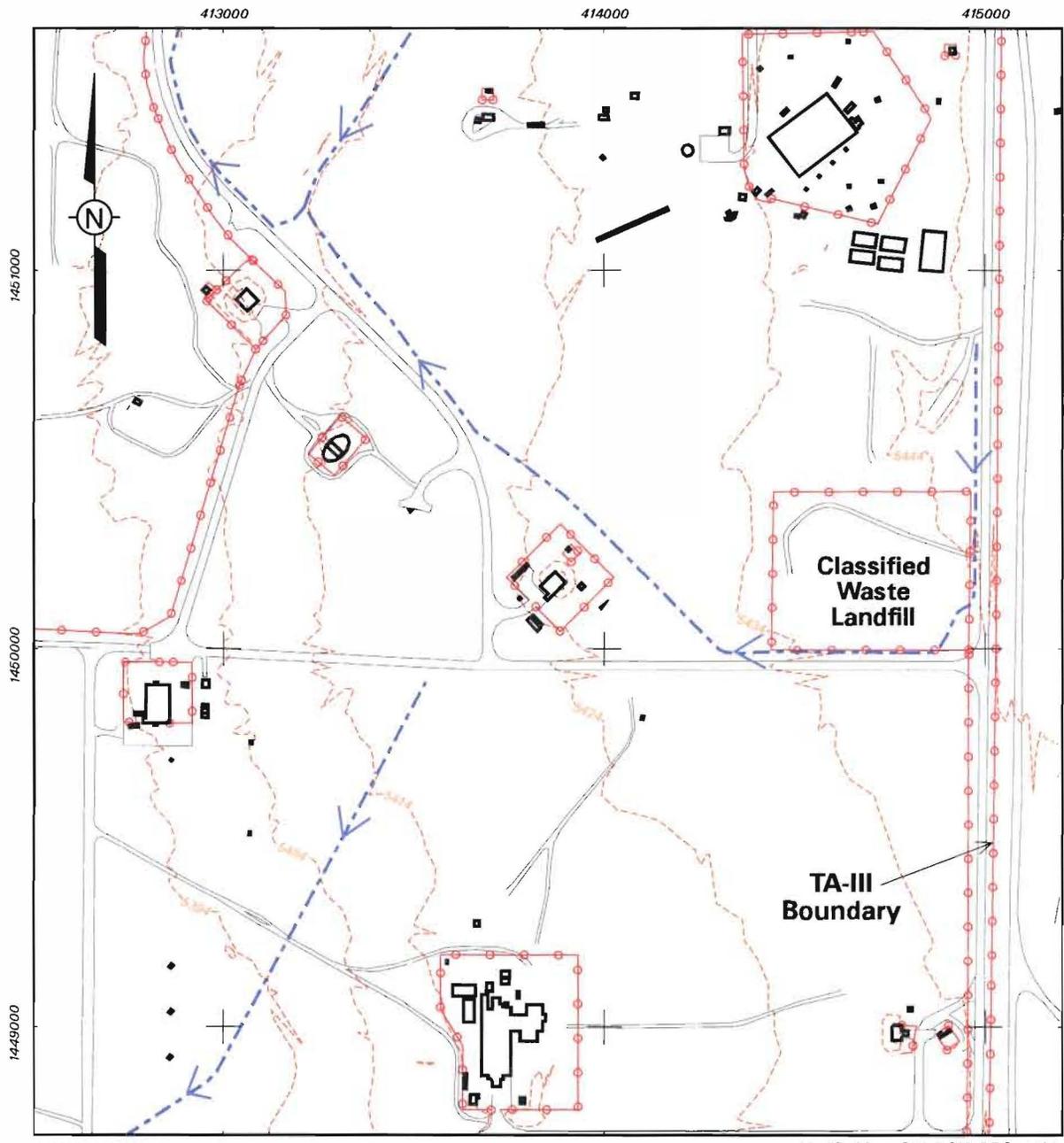
LEGEND

-  Surface drainage
-  Fence, Classified Waste Landfill boundary
-  # Waste cell with batch number

A north arrow pointing upwards with the letter 'N' inside a circle. Below it is a scale bar with markings for 0, 50, and 100 feet, with the word 'SCALE' centered below the bar.

New Mexico State Plane Central, NAD83, feet
 Aerial photo from Microsoft Terraserver, 2006

Figure 2-1
Site Map of the
Technical Area III Classified Waste Landfill
Sandia National Laboratories, New Mexico



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Modified from SNL EGIS ORG. 4131

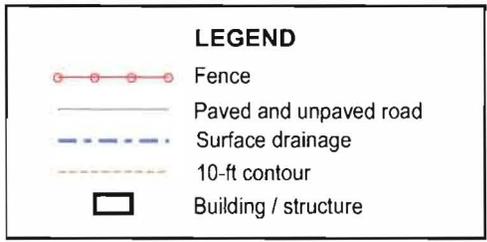


Figure 2-2
Surface Drainages near the Technical Area III Classified Waste Landfill
Sandia National Laboratories, New Mexico

TABLES

Table 1-1
 Applicable Excavation Checklist Requirements and
 Corresponding Excavation Plan Location
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Excavation Checklist Requirement	Location in this Document
Background summary	Sections 1.0, 2.0, and 3.0, Appendix A
Facility description	Section 2.1
Facility location	Section 1.0, Figures 1-1 and 1-2
Reason for excavation	Section 1.0
New Mexico Environment Department notification prior to commencement of scheduled activities	Section 4.6
Schedule of proposed activities	Section 4.7
Exploratory pit locations	Section 4.3.2
Plan view map with landfill boundaries	Figure 2-1, Appendix A
Exploratory pit observations	Section 4.3.2
Material encountered	Section 3.0, Appendix B
Soil vapor photoionization detector results (map with concentrations)	Not applicable; see Section 4.3.2
Removal	Section 4.0
Removal method	Section 4.3.3
Stockpiling	Sections 4.3.5 and 4.3.6
Equipment used	Section 4.3.3
Screening equipment used	Section 4.3.3
Types/owners of trucks	Section 6.7 of Appendix C
Excavation of slopes	Section 4.3.3; Sections 2.3 and 6.5 of Appendix C
Dust control	Section 6.6 of Appendix C
Personnel dedicated to monitoring activities	Sections 2.7, 4.1, and Chapter 5.0 of Appendix C
Types of materials or anomalies triggering cessation of excavation or monitoring	Sections 4.2.4 and 4.3.8; Section 5.3 of Appendix C
Air monitoring	Sections 2.7, 4.1 (Table 4-1), and Chapter 5.0 of Appendix C
Dust control permit	Section 6.5 of Appendix C
Types of air monitoring	Sections 2.7, 4.1 (Table 4-1), and Chapter 5.0 of Appendix C
Procedures to ensure worker safety during site activities	Sections 3.0, 4.2.1, 4.2.4, 4.3.3, and 4.3.8; Section 2.7, Chapters 4.0 and 5.0 of Appendix C
Personal protective equipment	Chapter 4.0 of Appendix C
Hazard assessment	Chapter 3.0 of Appendix C
Site perimeter and security	Section 4.2.5; Section 6.1 of Appendix C
Means of restricting access	Section 4.2.5; Section 6.1 of Appendix C
General site security and exclusion zones	Section 4.2.5; Section 6.1 of Appendix C
Letter from landfill acknowledging acceptance of excavated waste	Section 4.3.5
Verification of commercial waste hauler registration	Appendix D
Work limitations and operating shifts	Section 4.3.8
Emergency contact log and directions and route map to nearest hospital	Chapter 7.0 of Appendix C
Key personnel and emergency telephone numbers	Chapter 7.0 (Table 7-1) of Appendix C
Identification of site safety officer	Section 2.8 (Table 2-2) of Appendix C
Telephone numbers for emergency contact organizations	Chapter 7.0 (Table 7-1) of Appendix C

Table 2-1
 Summary of Placement
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Batch	General Material Types	Placement Date	Weight (lbs)
1	Miscellaneous parts, metal scrap, plastic scrap, disks and tapes, disc platters, furniture, test samples, lasers, firearms, fire sets, ceramic scrap, lamp, used toner cartridges, computer parts, batteries, cables, tools, foam scrap, microwave, wood scrap, circuit boards, machine turnings, mold compound, capacitor (oil-filled), master images	5/4/1989	34,600
2	Disks and tapes, disc platters, used toner cartridges, miscellaneous parts, metal scrap, bulletproof glass, wood scrap	3/16/1990	28,168
3	Concrete scrap, miscellaneous parts, metal scrap, plastic scrap, fire sets, residue, disks and tapes, used toner cartridges and ribbon, circuit boards, wood scrap, cables, glass scrap, computer parts, camera, test samples, rubber/epoxy specimens, die, microwave, photomasks	10/15/1990	122,011
4	Miscellaneous parts, metal scrap, plastic scrap, residue, wood scrap, disks and tapes, cables, fire sets, die, photomasks, wafers, circuits, test samples	4/10/1991	17,851
5	Miscellaneous parts, metal scrap, plastic scrap, photomasks, disks and tapes, used toner cartridges and ribbon, machine turnings, mold compound, glass scrap, foam scrap, ceramic scrap, disc platters, developer units, cables, wood scrap	7/29/1992	9,000
6	Miscellaneous parts, metal scrap, cables, test samples, plastic scrap	6/24/1993	10,941
7	Disks and tapes, used toner cartridges and ribbon, disc platters, binders, miscellaneous parts, metal scrap, cables, plastic scrap, wood scrap	11/19/1993	259,897
Total weight			482,468

Note: The waste types in this table are general summaries of those items listed in Appendix B.
 lbs = Pounds.

Table 4-1
Proposed Schedule for the Technical Area III Classified Waste Landfill Excavation
Sandia National Laboratories, New Mexico

Milestone	Date of Completion
New Mexico Environment Department Approval of Excavation Plan	March 2009
Budget Approval and Contracting Initiated	October 2009
Subcontractor Award	January 2010
Completion of Internal/External Planning Documents and Permits	January 2011
Notification to New Mexico Environment Department Prior to Initiation of Excavation Activities and Submittal of Detailed Schedule	February 2011
Completion of Excavation Activities	July 2013

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APPENDIX A
Aerial and Ground Photographs of the
TA-III Classified Waste Landfill

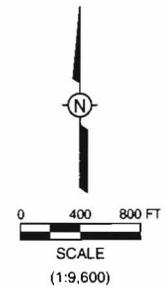
List of Photographs

- A-1 Aerial Photograph, March 22, 1989, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
- A-2 Aerial Photograph, June 13, 1990, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
- A-3 Aerial Photograph, September 25, 1990, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
- A-4 Aerial Photograph, 1991, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
- A-5 Aerial Photograph, June 21, 1991, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
- A-6 Aerial Photograph, March 25, 1992, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
- A-7 Overview of the Classified Waste Landfill at Technical Area III, May 1, 2008, view to the south
- A-8 Security Gate at the Classified Waste Landfill, May 1, 2008, view to the southwest
- A-9 Pit A with Mounded Cover and Steel Pipe Monuments, May 1, 2008, view to the north
- A-10 Open Pit B, May 1, 2008, view to the north
- A-11 Pit B and Stockpiled Soil, May 1, 2008, view to the east
- A-12 Surface Depression with Berms, May 1, 2008, view to the west
- A-13 Surface Depression with Berms, May 1, 2008, view to the west

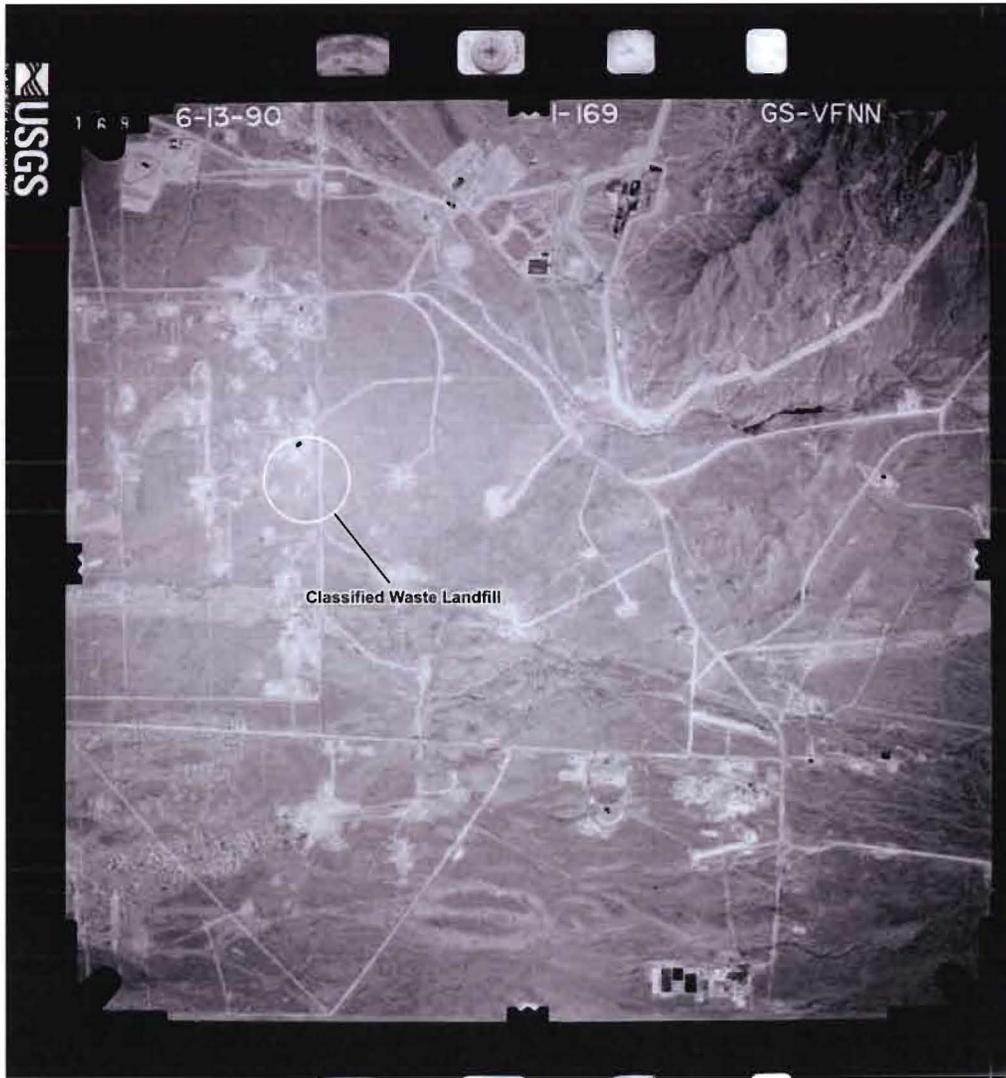


843887.02000000 B3

Modified from STAP KAFB, Flight 40, Frame 14

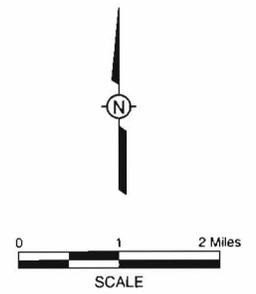


**Aerial Photograph, March 22, 1989
Technical Area III Classified Waste Landfill
Sandia National Laboratories, New Mexico**



643887.02000000 B8

Modified from USGS GS-VFNN. 1-169

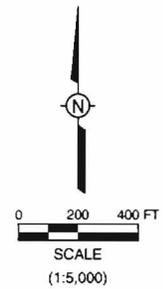


Aerial Photograph, June 13, 1990
Technical Area III Classified Waste Landfill
Sandia National Laboratories, New Mexico



643687.02000000 54

Modified from STAP ABQ SAN 3793, Flight 3, Frame 6

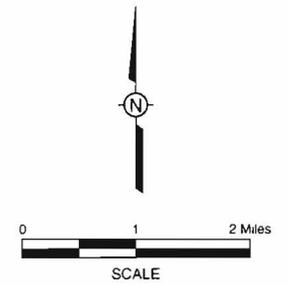


**Aerial Photograph, September 25, 1990
Technical Area III Classified Waste Landfill
Sandia National Laboratories, New Mexico**



943987.02000000 09

Modified from Earth Data Analysis Center

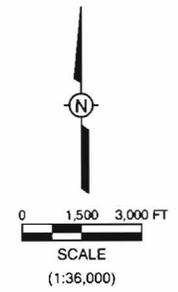


**Aerial Photograph, 1991
Technical Area III Classified Waste Landfill
Sandia National Laboratories, New Mexico**



943887.02000000 BS

Modified from STAP ABQ SAN 3793, Flight 9, Frame 5

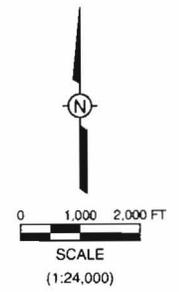


Aerial Photograph, June 21, 1991
Technical Area III Classified Waste Landfill
Sandia National Laboratories, New Mexico

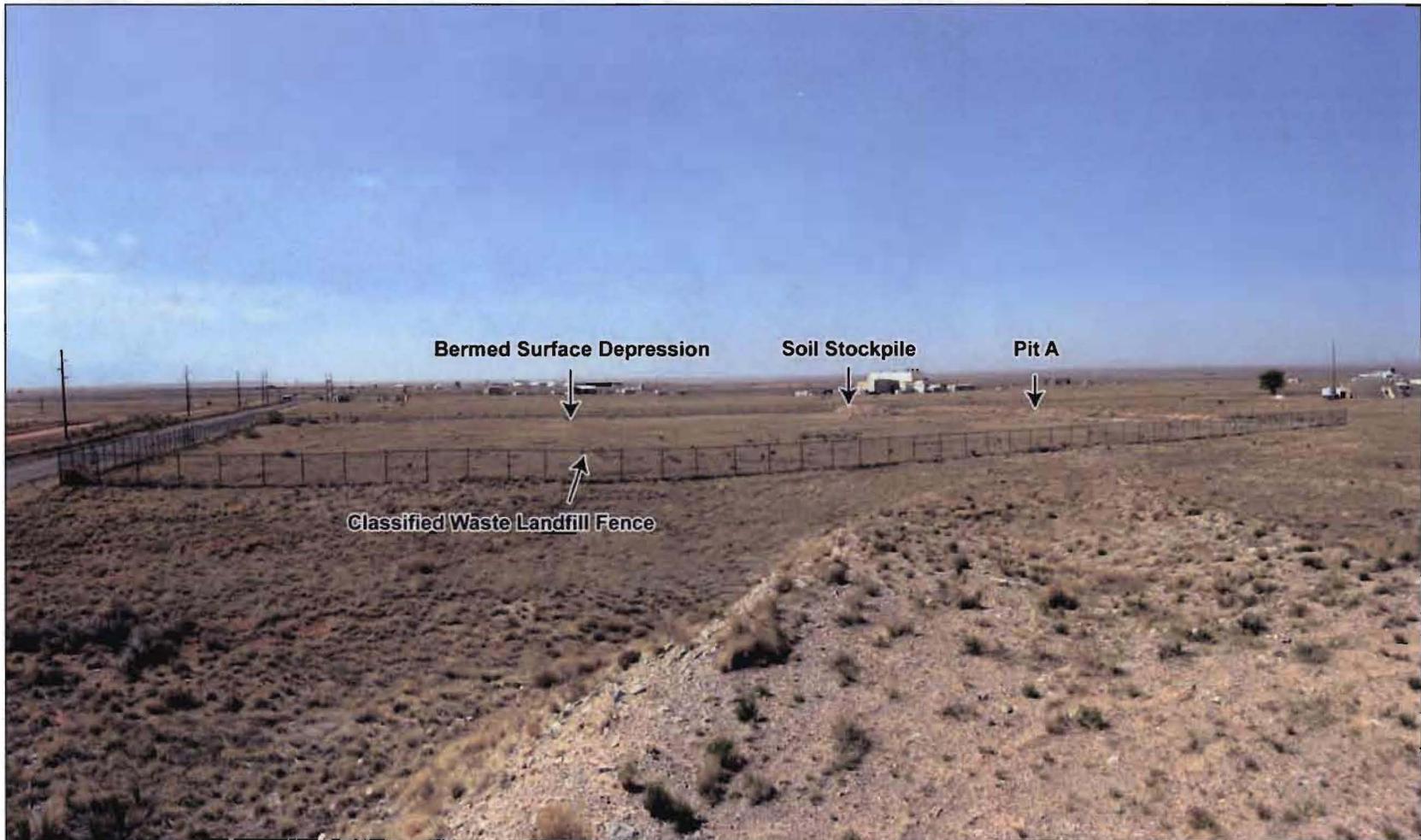


643887.02000000 B6

Modified from STAP ABQ, Flight 9, Frame 1



Aerial Photograph, March 25, 1992
Technical Area III Classified Waste Landfill
Sandia National Laboratories, New Mexico



A-7
Overview of the Classified Waste Landfill at Technical Area III, May 1, 2008, view to the south



A-8

Security Gate at the Classified Waste Landfill, May 1, 2008, view to the southwest

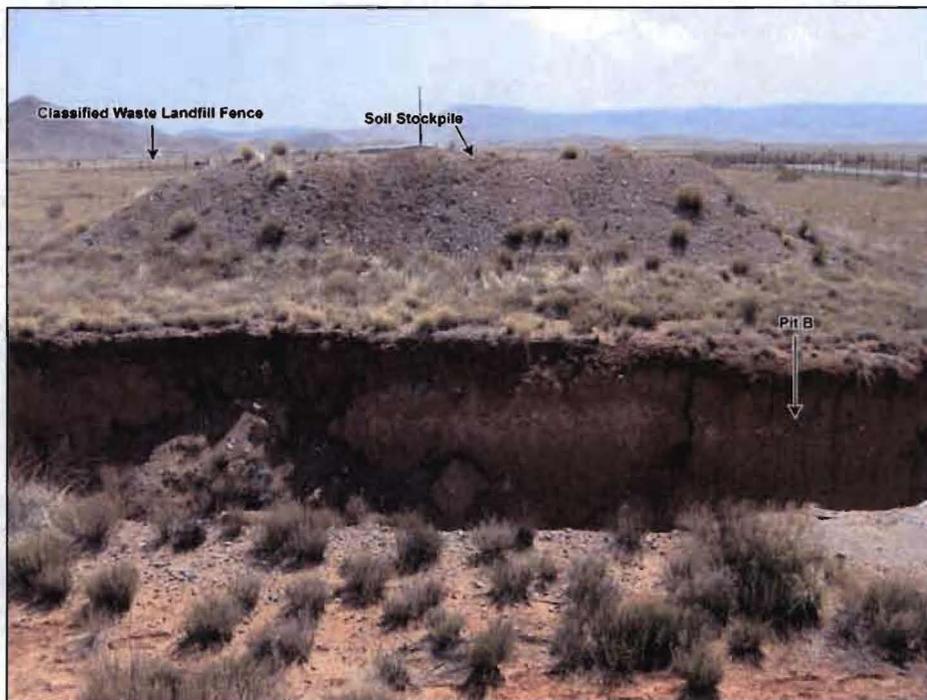


A-9

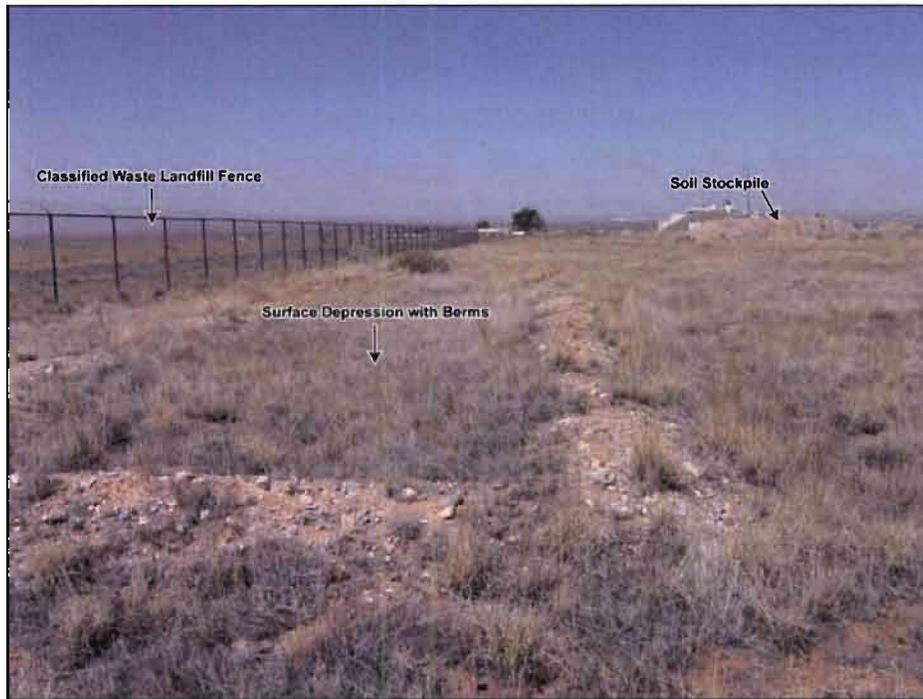
Pit A with Mounded Cover and Steel Pipe Monuments, May 1, 2008, view to the north



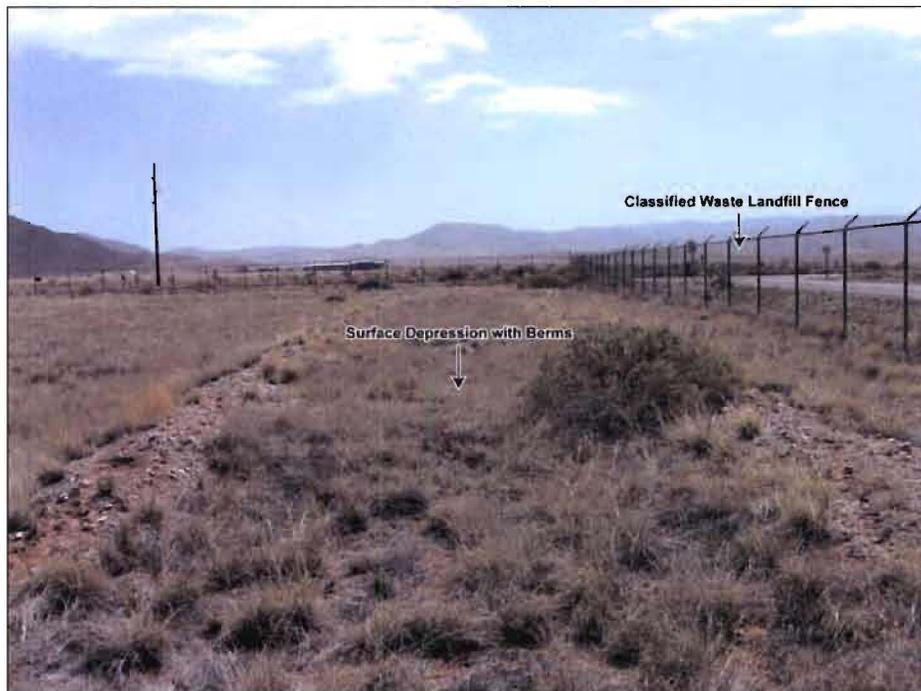
A-10
Open Pit B, May 1, 2008, view to the north



A-11
Pit B and Stockpiled Soil, May 1, 2008, view to the east



A-12
Surface Depression with Berms, May 1, 2008, view to the west



A-13
Surface Depression with Berms, May 1, 2008, view to the west

APPENDIX B
TA-III Classified Waste Landfill Inventory

Table B-1
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
87-34-406	na	18 12 gauge Winchester shotguns	18	each	"Void" form "Destroyed"
87-82-138	70	Mold	1	box	
		AFT bulkhead steel	1	lot	
		79 parts	1	box	
88-12-117	2	Computer diskettes - degaussed	8	each	
88-15-107	2	Univation hard disk	2	each	
88-15-108	2	Degaussed disk platters	6	each	
88-15-116	10	Degaussed disk pack	1	each	
		Small table	1	each	
		Misc. items	3	box	
88-15-122	4	Degaussed disk platters	4	each	
88-18-111	65	Box of 4 x 4" A1 test samples	24	each	
		Box of 4 x 4" A1 test samples	19	each	
		Box of 4 x 4" mesh test samples	4	each	
		Box of 4 x 4" A1 test samples	12	each	
		Box of 4 x 4" A1 test samples	12	each	
		Box of 4 x 4" A1 test samples	9	each	
		Box of 4 x 4" A1 test samples	12	each	
		Box of 4 x 4" A1 test samples	9	each	
		Box of 4 x 4" A1 test samples	8	each	
		Box of 4 x 4" A1 test samples	12	each	
		Box of 4 x 4" A1 panels	24	each	
		Box of 3 A1 samples	3	each	
		Box of 4 x 4" A1 panels	16	each	
		Box of 4 x 4" A1 panels	12	each	
		Box of 4 x 4" A1 panels	5	each	
		Box of 4 x 4" A1 panels	24	each	
Box of 4 x 4" A1 panels	24	each			
Box of 4 x 4" A1 panels	14	each			

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-18-111 (Continued)	above	Box of 4 x 4" A1 panels	10	each	
		Box of 4 x 4" A1 panels	18	each	
88-18-149	1	Resonators, MB36	1	each	
		Resonator, MB47	1	each	
		Resonator, MB55	1	each	
		Resonator, MB54	1	each	
88-18-200	100	UDL 1833-83-1	1	each	
		UDL 1833-83-2	1	each	
		UDL 1833-83-3	1	each	
		Casting 1833-83-4	1	each	
		Casting 1833-83-5	1	each	
88-21-106	300	RK05 disks	30	each	
		RL02 disks	7	each	
88-21-110	100	RP06 disk packs	5	each	
88-21-114	20	Scotch 49/300A disk pack	1	each	
88-21-148	60	2400' mag tape RS2116/87/009	1	each	
		2400' mag tape RS2116/87/010	1	each	
		2400' mag tape RS2116/87/011	1	each	
		2400' mag tape RS2116/87/012	1	each	
		2400' mag tape RS2116/87/013	1	each	
		2400' mag tape RS2116/87/014	1	each	
		2400' mag tape RS2116/87/015	1	each	
		2400' mag tape RS2116/87/016	1	each	
		2400' mag tape RS2116/87/017	1	each	
		2400' mag tape RS2116/87/018	1	each	
		2400' mag tape RS2116/87/019	1	each	
		COMSEC mag tapes - degaussed	22	each	
88-23-109	1	Bernoulli diskette - degaussed	1	each	
88-23-113	30	MC3276 test fixture	1	each	

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-23-125	10	T1564BB	1	each	
		T168, BBNX003-E84	1	each	
		T1564, BBNX002-I82	1	each	
		MC3733/TRABB	1	each	
		T1568BB	1	each	
88-23-130	5	4.25" x 4.5" Bernoulli diskettes - degaussed	2	each	
		5.25" x 5.25" Bernoulli diskettes - degaussed	2	each	
		8" x 11" Bernoulli disks - degaussed	2	each	
88-23-136	200	MC3775	1	each	
		MC1343	3	each	
		MC1206	1	each	
		MC1667	1	each	
		MC3471	5	each	
		MC3971	1	each	
		MC3471	1	each	
88-23-144	20	MC3141 antenna	7	each	
88-23-173	3	Disk, degaussed, formerly classified	1	each	
88-23-179	250	MC3471	7	each	
		MC3971	2	each	
		C.11 3 unit ME101 and ME102	2	each	
		MC2946	2	each	
88-23-183	30	Lens	2	each	
		Lens	2	each	
		W37 xverter	2	each	
		Load	5	each	
		B61 loads	3	each	
		MC2907	1	each	
		W81 (AY344080)	1	each	
		Tube	1	each	

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-25-111	100	Classified ceramic scrap	3	box	
88-25-140	3	Sealed disk, Seagate Technology	1	each	
88-26-108	575	Magnetic tapes - degaussed	23	box	
88-26-111	60	Magnetic tapes (degaussed)	11	box	
		Floor pullers	1	box	
88-26-172	500	Degaussed magnetic tapes	10	box	
		Disk plates	4	each	
		Empty magnetic tape canisters	2	box	
88-28-114	275	Large disk packs	15	each	
88-28-116	40	87 Mag tapes	3	box	
88-28-119	na	Disk pack #1 RL01K-DC	1	each	
		Disk pack #2 RL01K-DC	1	each	
		Disk pack #3 RL02K-DC	1	each	
		Disk pack #4 RL02K-DC	1	each	
		Disk pack #1 RL01K-DC	1	each	
		Disk platter #1	1	each	
		Disk platter #2	1	each	
		Disk platter #3	1	each	
		Disk platter #4	1	each	
		Disk platter #5	1	each	
		Disk platter #6	1	each	
		Disk platter #7	1	each	
		Disk platter #8	1	each	
Disk platter #9	1	each			
Disk platter #10	1	each			
Disk platter #11	1	each			
Disk platter #12	1	each			

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-28-125	50	Magnetic tapes	17	each	
		Scrap metal	2	box	
		Lamp	1	each	
88-28-170	2	Disk platter #1	1	each	
		Disk platter #2	1	each	
		Disk platter #3	1	each	
		Disk platter #4	1	each	
		Disk platter #5	1	each	
		Disk platter #6	1	each	
		Disk platter #7	1	each	
		Disk platter #8	1	each	
88-31-128	3	Used printer drum	1	each	
88-33-104	198	Reel computer tapes	98	each	
		PC keyboard	1	each	
		Desk drawer in a box	1	each	
		Magazine rack	1	each	
		Box envelopes	3	box	
		1 box batteries	1	box	
88-34-161	60	P/N 0845674 simulator laser, 5.36 mm	1	each	
		P/N 0845759 simulator laser 5.56 mm	1	each	
		P/N 0845742 simulator laser 5.56 mm	1	each	
		P/N 0366193 simulator laser AR15	1	each	
		0366186 SP82171 simulator laser AR15	1	each	
		Revolver mdl 64	10	each	
		Simulator revolver mdl 64	1	each	
		S&W mdl 10	2	each	
88-34-506	26	Computer tapes	26	each	
88-34-513	na	Shotguns 12 ga. Winch., Mod. 12	17	each	

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-34-P060	50	W044 cutting rings	na	each	
		W044 compression caps	16	each	
88-34-P066	360	T049780 W054Ty3A in H651	1	each	
		T019110 B061 preflight sect.	1	each	
88-34-P068	3,100	967272 B053-0 MC1266	4	each	
		015183 W069 spare parts	1	each	
		015184 W069 spare parts	1	each	
		015185 W069 spare parts	1	each	
		015186 W069 spare parts	1	each	
		428986 W031 cutaway MID 8986	1	each	
		428989 W069 stress cushions	1	each	
		229051 W045, MID 9051	1	each	
		989443 W005-1 mat cmmpl/H191	1	each	
		909455 W005-0 reg C alt MID 9455	1	each	
		967951 radiation tester TD336	1	each	
		910211 B053 end caps	1	each	
		951625 W007-2 W/cp fuze	1	each	
		951832 W007-2 HJ complement	1	each	
		951830 W007-OCP/C MID 1830	1	each	
952683 W042-0 cutaway MID 2683	1	each			
967946 B028 T306 space load MID 7946	1	each			
88-34-P069	4,200	B083 shipping crate	1	each	
		W069 impact, ful	1	each	
		W043-3 shape, comp	1	each	
		B053 stress cushion	3	each	
		W045 container	1	each	
		B053X type 3B	1	each	
		B028 type 5B	1	each	
		W069 hardware	1	each	

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-34-P069 (Continued)	above	B028 F28-0	1	each	
		Tester T0289	1	each	
		W069 nose section B028 case	1	each	
		W045-0 cushions	1	each	
		Tester, air sampler	1	each	
		B053 detonator cable	1	each	
		B053 spare parts	1	each	
		W031 skin section	1	each	
		W007 skin	1	each	
		B025 wood stand	1	each	
88-51-101	1	Hard disk - degaussed	2	each	
88-51-104	200	AMPEX magnetic tapes	21	each	
88-51-106	10	MC1804 BBN-1246-A5-05	1	each	
88-51-107	40	4 x 4" panel MID 7622	1	each	
		AFT liner MID 6087	1	each	
		AFT liner MID 6095	1	each	
		AFT liner MID 6302	1	each	
		AFT liner MID 6307	1	each	
88-51-108	250	4 x 4" test panels	57	each	
		4 x 4" test panels	71	each	
		4 x 4" test panels	23	each	
		4 x 4" test panels	41	each	
		Cut up 4 x 4"s	14	each	
		10" container	1	each	
		10" container	1	each	
		Weighted 10" container	1	each	
		Weighted 10" container	2	each	
		MC2918 fire set	5	each	
		B-47 bucket	11	each	

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-51-115	1	Bernoulli Disk - degaussed	1	each	
88-51-120	80	Antenna	6	each	
		MC1850	1	each	
		MC1917	2	each	
		Dummy shell	2	each	
88-51-125	2	Clear mock-up	1	each	
88-51-129	200	F28-7 MU S/N 44068 Fuze, JTA	1	each	
88-51-134	5	MC2901 Serial BBN-0215-K-74	1	each	
88-51-141	2	Hard computer disks	8	each	
88-51-145	2	Univation hard disk - degaussed	4	each	
88-51-147	3	5153-84-3067	1	each	
		5153-84-3068	1	each	
		5153-84-3069	1	each	
		5153-84-3070	1	each	
		5153-84-3071	1	each	
		5153-84-3072	1	each	
		5153-84-3073	1	each	
		5153-84-3074	1	each	
		5153-84-3075	1	each	
		5153-84-3076	1	each	
		5153-84-3077	1	each	
		5153-84-3078	1	each	
		5153-84-3079	1	each	
		5153-84-3080	1	each	
		5153-84-3081	1	each	
		5153-84-3082	1	each	
		5153-84-3083	1	each	
5153-84-3084	1	each			
5153-84-3085	1	each			

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-51-147 (Continued)	above	5153-84-3086	1	each	
		5153-84-3087	1	each	
		5153-84-3088	1	each	
		5153-84-3089	1	each	
		5153-84-3090	1	each	
		5153-84-3091	1	each	
		5153-84-3092	1	each	
		5153-84-3093	1	each	
		5153-84-3094	1	each	
		5153-84-3095	1	each	
		5153-84-3096	1	each	
88-51-151	30	Det. cable (short)	3	each	
		Det. cable (long)	3	each	
		MC3814 fire set	2	each	
88-51-162	500	NDB hardware	2	pallet	
88-51-163	300	B57-1/JTAIM SN001 bomb subassembly center PN S43254	1	each	
		Partially disassembled B57-1, pre-flight section including MC2219, MC2239, MC1352, MC1351	1	each	
		MC1091 PN 310871	1	each	
		MC1314 PN 311133	1	each	
		MC1314 PN 311133	1	each	
88-51-165	150	Drum #1: 7546-W81-209, FWD assy W81 TM	1	each	
		Drum #1: 5145-85-004, FWD assy cover	1	each	
		Drum #1: 5145-86-005, stress cushion	1	each	
		Drum #2: 7546-W81-211, FWD assy W81 TM	1	each	
		Drum #2: 5145-85-006, AFT assy cover	1	each	
		Drum #3: 5145-85-005, FWD assy W81 TM w/ cover	1	each	
		Drum #3: 5145-85-007, AFT assy W81 TM w/ cover	1	each	
88-51-167	120	MC2882 BBN-1462, BBN-019	2	each	

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-51-176	3	Hard disk - degaussed	2	each	
88-51-178	10	Aluminum case (FWD) AWB-1622-F84, P/N-422426-00, MID-5111-88-215	1	each	
88-51-187	10	1584-80-001 MC3371A data analyzer	1	each	
		5145-85-001 MC3847 data analyzer	1	each	
88-51-190	80	MC3843, MID 5774	1	each	
		MC3841, AFT, MID 6141, MID 6819	2	each	"Did not receive MID card. Item sent back to L.B. Flores 6-28-88 RH"
		Shock absorber # 18, 19, 20	4	each	
		MC3843 mock-up	5	each	
88-51-193	5	Hard disk - degaussed	7	each	
88-51-196	15	MC2918 pieces	2	each	
		MC2918 mass dummy	1	each	
88-51-198	200	W81 mockup in shipping container	1	each	
88-51-207	2	Bernoulli hard disk - degaussed	1	each	
88-51-209	20	MC3841, MID 5126-069-136	1	each	
		CS14 w/ MC2907, MID 5126-069-230	1	each	
		MC2946, MID 5126-069-237	1	each	
		MC1806, MID 5126-069-237	1	each	
		MC1707, MID 5126-69-333	1	each	
		MC1707, MID 5136-69-04	1	each	
88-51-210	na	Stress cushion, MID 5114-88-0163	1	each	
		Stress cushion, MID 5114-88-0164	1	each	
		MC3775, MID 5124-84-0130	1	each	
		MC3777, MID 5124-84-50	1	each	
		MC1100, MID 5115-84-12	1	each	
		MC1671, MID 5114-88-0165	1	each	

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-51-210 (Continued)	above	MC110 TR, MID 5114-88-0166	1	each	
		MC3541A, MID 5114-88-0167	1	each	
		MC3541B, MID 5124-84-45	1	each	
		MC1100 (ALT 315), MID 5114-88-0168	1	each	
		Terrazzo (LANL) old, MID 5114-88-0134	1	each	
88-51-212	2	Detonator cables	24	each	
88-52-104	300	Pieces of transparent armor	2	each	
88-52-157	1,000	Transparent and steel armor	2	skids	
88-52-166	200	Transparent armor	6	each	
88-52-183	250	SST test hall panel	2	each	? weight and material, illegible
88-72-136	10	AFT compression cap P/N 421147-00	1	each	
		FWD compression cap P/N 421148-00	1	each	
88-72-156	5	SRD/CNWDI cassette tape - degaussed	1	each	also in Batch #2, attached Material Requisition
		SRD/CNWDI Sigma 2 VHS/NTSC - degaussed	1	each	
		SRD/Bernoulli disk cartridge - degaussed	1	each	
		CRD/Videocassette - degaussed	1	each	
88-72-166	50	MC2369 (inert) P/N 312452-01	1	each	
		MC1303, P/N 311119-01	1	each	
		MC1806, P/N 311753-02	2	each	
		MC991, P/N 310720-08, 310720-10	2	each	
88-72-177	1	H911 forward cushion	1	each	
88-72-181	75	W050 JTCG drum	1	each	
		W50 end caps, 6 each	1	box	
88-72-185	na	MC3521 (inert) detonator and cable assembly	1	each	
		Actuator P/N 226167 with CF1970 cable P/N 215259	1	each	
		MC3731, P/N 318985	1	each	
		MC1091, PN 310871	1	each	

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-72-185 (Continued)	above	Support, P/N 344591	1	each	
		Preformed packing, P/N 260064	2	each	
88-72-186	10	MC2823 radars, P/N 314268	4	each	
		MC 3812 PWB-logic printed circuit boards, P/N 319334	2	each	
88-72-192	500	B054-MC2667, container	1	each	
		B054 - H912, container	2	each	
		B61 parts	2	box	
		B054 H911 parts	1	box	
		B054 front case	1	box	
		B054 compression caps	1	box	
		B054 parts	1	box	
		B61 spare parts	1	box	
		B054 front case sections	1	box	
		B054 tools, container	9	each	
		B054 foam bands and caps	1	box	
		88-74-108	30	1 box - 7 pieces, molded carbon parts, MID 10160	7
1 box - 20 pieces, classified waste, MID 9972	20			piece	
1 box - 30 pieces, shape nose tip material, scrap created due to waste MID 9971	30			piece	
88-74-112	15	Disk pack, model RA60, unusable - degaussed	1	each	
		Magnetic tapes, unusable - degaussed	3	each	
88-75-107	75	Microwave oven	1	each	
88-81-105	760	MC1707A	1	each	
		936 test chambers	na	na	
		High pressure test valves	2	na	
		Connector box	na	na	
		Test probe w/ leads	na	na	
		Wire clamps	na	na	
		W84 mass mockups (physics pkg)	2	each	

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-81-105 (Continued)	above	Vertrod plastic bag sealer	na	na	
		Pig tail cable	na	na	
		MC1495 TRC	2	each	
		MC1663	1	na	
88-81-109	55	MC2600 211448-00	na	na	
		XBBNX004-F72	1	each	
		XBBNX005-F72	1	each	
		XBBNX011-E73	1	each	
		MC2557 211413-01	1	each	
		XBBNX207-F71	1	each	
		XBBNX206-F71	1	each	
88-81-122	490	Alum. 7075 10 x 30 dia.	1	each	
		SS rod 17-4PH 9 x 23	1	each	
		9 in. alum. Bar 7050	7	ft	? units
		H-1333A/ABC-1	1	each	
		9 in. titanium bar	2	ft	? units
		fuse supports A25620	4	each	
		Foam assy H1473	3	sets	
		3C load f/AFT adapter	4	sets	
		Option I fixture	2	each	
		SS FWD support T034473001	8	each	
		Foam set H1473	2	each	
		H1524 sheet	3600	88	? units
		FWD support VIB fix. T538718001	1	each	
		88-81-132	5	ABRV 6397	1
Forgings, MD 174PH	27			each	
Short frusta	3			each	
STU-H gear	1			each	
FWD gear	1			each	

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-81-132 (Continued)	above	FWD gear D/N 116173	1	each	
		FWD gear AEB84255546	1	each	
		AFT gear 100037, 031s	1	each	
		AFT gear, AEB84 255541, 021s	1	each	
		AFT subst mock up	1	each	
88-81-135	302	A16555 Fixture	2	each	
		W84 PP Mockup A11706	1	each	
		W84 assembly stand	2	each	
		H1409 QATU only	1	each	
		LTU-13 assembly gear	1	each	
		H1408 shipping containers	4	each	
88-81-136	5	W-82 spring	1	each	
		W-82 tube and filter assy	1	each	
88-82-111	100	MC3471 S/N 1581	1	each	
		MC3471 S/N 1559	1	each	
		MC3471 S/N 1592	1	each	
		MC3471 S/N 1546	1	each	
88-82-145	30	W82 wedge A32568-A	3	each	
		W82 plug spring 80-113161-0B	1	each	
		W82 cap spring 113161-0B	1	each	
		W82 plug spring 113161-0B	3	each	
		W82 TM adapter A32372-B	3	each	
88-82-149	10	W82 piece parts	1	each	
		Cap	2	each	
88-84-103	146	Fire sets	10	each	
		MC3495	2	each	
		MC2976	1	each	
		MC3501	7	each	
		Det cables	1	each	

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-84-103 (Continued)	above	MC35454	2	each	
		LTO-5 controller	1	each	
88-84-104	110	Diaphragm vessel	1	each	
		Test Bar #1, consist of cap A36106-C, A36115-C	1	each	
		Test Bar #1, consist of cap A36106-C, A36115-C	1	each	
88-84-130	15	Scrap hardware	1	box	
88-91-106	40	MID 1720 Swerve foam model	1	each	
88-91-113	70	Prepared winding tape	1	each	
		Scrap materials	1	each	
		Mock-up shield	1	each	
		AEDC ablation mod. 1"	3	each	
		AEDC ablation mod. 8"	1	each	
		AEDC ablation mod. 2"	1	each	
88-91-122	300	Nosetip	5	each	
		Cone 5"	1	each	
		Nosetip MXB71	1	each	
		Nosetip Mater'1	2	each	
88-91-127	100	Swerve sheet metal unit	1	each	
88-91-133 ^a	1,500	Barrels, machine turnings, MIDs 12028, 12029, 12030	3	barrel	also in Batch #5
88-91-149 ^a	100	SSN-21 mold compound (metal drum in wooden crate) MID 8781	1	drum	also in Batch #5
88-91-152	35	MIDs 655 to 0657, 0759, 0760, 0975 to 0977, 1978 to 1980, 2252, 2253, 2375, 2376, 2686 to 2689, 2865 to 2868, 2991, 3108, 3110, 3262, 3295, 3353 to 3357, 3891, 4873, 5482, 5483, 5486, 5490, 5716, 8238 to 8242	45	each	
		MIDs 6626 to 6628, 6651	4	each	
88-92-155	1,000	Capacitor, oil filled	31	each	
		Rack, elec.	1	each	
		Chassis, elec.	2	each	

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-21-106	200	Master images	1	each	
		10C micro mask	2	each	
		7D, 7E micro mask	1	each	
		Micro mask	1	each	
		Master images	2	each	
		2A	1	each	
		BHJ-1002-8550-2A	1	each	
		BHJ-1004-8550-4A	1	each	
		BHJ-1009-8550-9A	1	each	
		BHJ-1012-8550-12A	1	each	
		BHJ-1005-8550-5A	1	each	
		BHG-1001-8632-5A	1	each	
		BHG-1001-8632-4A	1	each	
		BHG-1001-8632-6A	1	each	
		BHG-1001-8632-1A	1	each	
		BHG-1001-8632-3A	1	each	
		BHG-1001-8632-2A	1	each	
		BHE-1011-8725-11A	1	each	
		1B checkmaster	1	each	
		8A micro mask	1	each	
		7A micro mask	1	each	
		6B micro mask	1	each	
		BHJ-1007-8602-7A	1	each	
		BHJ-1007-8602-8A	1	each	
		BHJ-1009-8630-9A-13B	1	each	
		BHJ-1011-8630-11A	1	each	
		BHJ-1006-8602-6A	1	each	
BHJ-1001-8602-1A	1	each			
BHJ-1002-8602-2A	1	each			

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-21-106 (Continued)	above	BHJ-1005-8602-5A	1	each	
		BHJ-1004-8602-4A	1	each	
		BHJ-1003-8602-3A	1	each	
		8S	1	each	
		04S	1	each	
		BHE-1007-8726-7A	1	each	
		BHE-1008-8726-8A	1	each	
		9A	1	each	
		10A	1	each	
		11A	1	each	
		9A master images	1	each	
		8P master images	1	each	
		4K master images	1	each	
		3f master images	1	each	
		4K Box 002 master images	1	each	
		BHE-1009-8629 master images	1	each	
		B46-TA10820-BC3	1	each	
		Tau Laboratories, Ind. NBS correlation #12.34	1	each	
		B59-TA10824-01	12	each	
		B59-10824-02	19	each	
		B46-TA10820-03	10	each	
		B59-TA10824-07	5	each	
		B59-TA10824-85ZA	6	each	
		B59-TA10824-12	10	each	
		B59-TA10824-06A	1	each	
		DD03 1 (DF) emulsion mask	1	each	
		B46-TA10820-BC2	7	each	
		H485 1A (microfab)	1	each	
H485 2A (microfab)	2	each			

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-21-106 (Continued)	above	H485 TA613 6A (microfab)	2	each	
		H485 TA613 8A (microfab)	2	each	
		H485 TA613 7A (microfab)	2	each	
		H485 TA613 9A (microfab)	2	each	
		H485 3A (microfab)	1	each	
		H485 4B TA613 (microfab)	1	each	
		H485 TA613 4A (microfab)	2	each	
		H485 5A (microfab)	2	each	
		B59-TA10824-01	1	each	
		B59-TA10824-02	1	each	
		B59-ta10824-06A	2	each	
		B46-TA10820-BC3 variant	1	each	
		B59-10824-05ZA	1	each	
		B46-TA10820-02	14	each	
		B46-TA10820-12	10	each	
		B46-TA10820-06	4	each	
		B46-TA10820-01	1	each	
		B46-TA10820-07	1	each	
		B46-TA10820-05	1	each	
		A32-SA2902B 1B	1	each	
		A32-SA2902B 2B	1	each	
		A32-SA2902B 3B	1	each	
		A32-SA2902B 4B	1	each	
		A32-SA2902B 5B	1	each	
		A32-SA2902B 6B	1	each	
		A32-SA2902B 7B	1	each	
		SA3160 1A Ultratech	1	each	
		5A32 SA2902B	1	each	
		B46-10824 (in clear box)	1	each	

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-21-106 (Continued)	above	DD03 (in clear box)	1	each	
		FLTC (in clear box)	1	each	
		DD02 (in clear box)	1	each	
		Shadow mask capacitors (in clear box)	1	each	
89-34-572	5,000	Cover stainless steel, W0'69	1	each	
		W031 TY5B	1	each	
		W031 EOD TRNR on H541	1	each	
		B028 MC1100 X-unit	1	each	
		B028 RE damaged MID 7865	1	each	
		B028 no. 1 unit MID 7744	1	each	
89-51-143	0.2	Floppy diskette - degaussed	4	each	
89-72-137	0.2	SRD/Bernoulli disk cartridges - degaussed	3	each	
MOVE ORDER 236848	na	Laser, 5 mW spectra physics, #120	1	each	
		Power supply, spectra physics, #256	2	each	
MOVE ORDER 243168	na	Front case	6	box	"Lost Box" note
MOVE ORDER 256201	na	Pistol, 45 cal, model 70	2	each	
		Pistol, 45 cal, model 80	2	each	
		Pistol, 45 cal, model MKIV	1	each	
		Revolver, 38 cal, detective special	7	each	
		Shotgun, model 1200	9	each	
MOVE ORDER 256202	na	Revolver, 38 cal, S&W, model 10	11	each	
MOVE ORDER 256203	na	Shotgun, 12-gauge, Ithaca	8	each	"destroyed"
MOVE ORDER 269806	na	Shotgun, Ithaca, 12-gauge	1	each	
		Pistol, stun gun, MB associates	4	each	
MOVE ORDER 269938	na	Line printer	1	each	
		Small laser	1	each	

Table B-1 (Continued)
 Landfill Inventory for Batch #1, Burial Date 5/4/1989
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
MOVE ORDER 276707	na	Double barrel shotgun, 12 gauge	1	each	
MOVE ORDER 335631	na	Hoppers	6	each	
		Skids	9	each	
		Wooden crates	4	each	
		Lasers	3	each	
MOVE ORDER 335632	na	Pallets	2	each	
MOVE ORDER 335633	na	Transportainers	4	each	
		Wooden crates	7	each	
		Drums	14	each	
		Drums	1	each	
		Hoppers	5	each	
		Skids	2	each	
		Shipping containers	2	each	
		Cover, stainless steel	1	each	
		W031 TY5B	1	each	
		W031 EOD TRNR on H541	1	each	
		B028 MC1100 X-unit	1	each	
		B028 RE damaged	1	each	
B028 no. 1 unit	1	each			
MOVE ORDER 351229 ^a	na	Dump trucks	2	each	also in Batch #2
		14 skids, 1 hopper	14	each	
		3 hoppers, 6 skids	1	each	
		1 hopper, 2 skids	1	each	
MOVE ORDER 376185 ^a	na	Crates, tapes, classified media	14	each	also in Batch #4
		Pallets, classified waste	2	each	
		Crates, media	4	each	

Table B-1 (Concluded)
Landfill Inventory for Batch #1, Burial Date 5/4/1989

Form #	Weight (lbs)	Material	Quantity	Units	Notes
Shipping Order 26457	na	Laser system W/P/S CW rad HP-85			For burial-RH
	700	Computer HP HP-85	1	each	Weight is for these six items
		Camera copying visual graphic 720	1	each	
		TC-45 recorder cassette Sony	1	each	
		Recorder video JVC CR-5000U	1	each	
		Recorder video Sony SL-034	1	each	
Projector 8 mm Paillard 18-5	1	each			
Storage Action 545131	50	W044 cutting rings	na	each	
		W044 compression caps	16	each	
Batch #1 Total Approximate Burial Weight = 34,600 lbs					

Note: Form #s are Delivery to Reclamation form numbers unless otherwise noted. The text in this table was entered as shown on the forms; therefore, some information may have multiple abbreviations and formats. Unless otherwise noted, weights are assumed to be representative of all items listed on the form.

^aReclamation Form or Move Order was found in multiple batches. See "Notes" column.

na = Not available.

Table B-2
 Landfill Inventory for Batch #2, Burial Date 3/16/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-72-156	5	SRD/CNWDI cassette tape - degaussed	1	each	also in Batch #1, attached to Form # 89-34-549
		SRD/CNWDI Sigma 2 VHS/NTSC - degaussed	1	each	
		SRD/Bernoulli disk cartridge - degaussed	1	each	
		CRD/Videocassette - degaussed	1	each	
89-12-158	8	Magnetic tapes, degaussed	4	each	
89-12-159	2	Magnetic tape, degaussed	1	each	
89-23-199	3	8" IBM diskette	4	box	
		HP toner cartridge	1	each	
89-26-165	2,000	Degaussed magnetic tapes	50	box	
89-26-202	200	Magnetic tapes	200	each	
89-26-203	300	Degaussed magnetic tapes	16	box	
89-34-549	5	Cassette tape - degaussed	1	each	attached Material Requisition and Form # 88-72-156
		Sigma 2 VHS/NTSC - degaussed	1	each	
		Bernoulli disk cartridge - degaussed	1	each	
		Videocassette - degaussed	1	each	
89-34-587	600	Destroyed MSS tapes	15	box	
89-34-62?	2	Videocassette	3	each	
89-52-161	20,000	1 lot of 25 pallets from SST tractors consists of: bullet proof glass and panels, control boxes, quick release ramps, armor proof blankets	25	skids	
90-12-119	10	Bernoulli disks	2	each	
		Laser toner cartridges	3	each	
90-12-123	1	Laser printer toner cartridge	1	each	
90-23-162	1	Cartridge, EP-S	1	each	
90-23-150	5	10" Bernoulli - degaussed	1	each	
		Computer tape - degaussed	1	each	
		8" diskettes - degaussed	3	each	
		5.25" diskettes - degaussed	38	each	
		3" Bernoulli -degaussed	3	each	

Table B-2 (Continued)
 Landfill Inventory for Batch #2, Burial Date 3/16/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-23-150 (Continued)	above	3" Bernoulli - sanitized	1	each	
		5.25" diskettes - sanitized	11	each	
		3" diskettes - sanitized	2	each	
		Toner cartridge	1	each	
90-23-156	9	LaserJet cartridges (used) HP	3	each	
90-23-175	15	5.5" Bernoulli disk - sanitized	20	each	
		8.25" Bernoulli disk - sanitized	3	each	
		Jetscript printer cartridges	2	each	
90-26-106	400	Magnetic tapes - degaussed	10	box	
90-26-141	450	Degaussed magnetic tapes	10	box	
		Disk packs	3	each	
90-26-169	400	Degaussed magnetic tapes	13	box	
90-28-152	20	Magnetic platters	9	each	
90-31-119	1	LaserJet toner cartridge	1	each	
90-31-129	6	Laser printer toner cartridge	6	each	
90-51-145	3	LaserJet toner cartridge	1	each	
90-51-150	1	Diskette - sanitized	18	each	
90-51-162	1	M6002 Apple comp. used toner cartridge	1	each	
90-51-165	10	AMPEX precision magnetic tape, Series A - cannot be degaussed	1	each	
90-52-168	5	Reels of magnetic tape - degaussed	7	each	
		Used LaserJet printer cartridge	1	each	
90-65-114	2	HP printer toner cartridge	1	each	
90-72-136	2	Toner cartridge for LaserJet printer	1	each	
		LaserJet toner cartridge	2	each	
90-72-137	3	RS7213/88/EEDA/122, 1A disk degaussed	1	each	
		RS7213/88/132, 1A disk degaussed	1	each	
		RS7213/89/00096, 1A disk degaussed	1	each	
90-93-117	18	HP LaserJet toner cartridges, 2 boxes	6	each	

Table B-2 (Concluded)
 Landfill Inventory for Batch #2, Burial Date 3/16/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
D-9007	1,700	10 tapes per box - degaussed	58	box	
MOVE ORDER 351229 ^a	26	Dump trucks	2	each	also in Batch #1
		14 skids, 1 hopper	14	skids	
		3 hoppers, 6 skids	1	flt	
		1 hopper, 2 skids	1	flt	
Batch #2 Total Approximate Burial Weight = 28,168 lbs					

Note: Form #s are Delivery to Reclamation form numbers unless otherwise noted. The text in this table was entered as shown on the forms; therefore, some information may have multiple abbreviations and formats. Unless otherwise noted, weights are assumed to be representative of all items listed on the form.

^aReclamation Form or Move Order was found in multiple batches. See "Notes" column.

Table B-3
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-34-574	2,000	B53 AFT cap	1	each	
		Concrete ball, W31 instrumented	1	each	
		W045-0 JTG, ID 1098	1	each	
		Comp caps, ID 1331-1335	1	each	
		Clinker demo unit	1	each	
		W-31 JT5 w/ conc ball	1	each	
		W050 EOD parts	3	each	
		B057 JTA 1-1	1	each	
		B057 JTA 2	1	each	
		B057 JTA 1 and 4	2	each	
89-34-577 ^a	2,000	B043 D-tested MC993 MID 2316	2	box	attached Storage Action 543075, also in Batch #4
		W031, XM75AK 1/5 MID 1824	1	each	
		B043 case ring	2	each	
		B028 cutaway	1	each	
		W058 firing set	1	box	
		B053 components	1	box	
		W069 dummy det. set	1	each	
		W031 N/GEN	1	each	
		B028 mod 8 fuse	1	each	
		B028 residue	1	each	
89-34-584 ^a	50	W45-3B residue MID 0008	1	each	also in Batch #4
		1A reservoir MID 11240	1	each	
		W66 (Sprint) model T MID 11243	1	each	
		MC 1327 MID 5323, MID 11257	2	each	
		MC1518, MID 11258, MID 11259	2	each	
89-72-160	50	Compression caps	1	barrel	
89-81-129	60	W84 hydraulic plate	2	each	
89-82-145	526	DSP 200 parts, AFT support	1	each	
		DSP 200 parts, FWD support	1	each	

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-82-145 (Continued)	above	DSP 200 parts, AFT support	1	each	
		DSP 200 parts, AFT TM support	1	each	
		DSP 200 parts, FWD support	1	each	
		DSP 200 parts, FWD TM support	2	each	
		DSP 200 parts, AFT TM support	1	each	
		DSP 200 parts, FWD support	2	each	
		DSP 200 parts, AFT support	2	each	
		End cap, 85-001	1	each	
		End cap, 85-002	1	each	
		End cap, 85-003	1	each	
		Neutron generator mock-up	2	each	
89-84-115	20	MID C012402 welded assy	1	each	
		MID C012403 welded assy	1	each	
		MID C012408 welded assy	1	each	
		MID C012409 welded assy	1	each	
		MID C012523 welded assy	1	each	
		A43650	7	each	
		455389	5	each	
		454150	8	each	
89-84-128	40	Plugs, A30870	125	each	
		AFT fairing, A34332	25	each	
		FWD fairing, A34333	25	each	
89-84-144	300	Metal drums containing scrap metal	2	drum	
89-85-188	1,349	SUCI/SRD misc. hardware	8	drum	
9014-116	3	Hard drive for Compac computer - sanitized	1	each	
90-21-176	3	Laser printer cartridge	1	each	
90-23-138	60	MC3471, fire sets	4	each	

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-23-306	100	MC1656 firing sets	16	each	attached screening form
90-23-313	3	HP LaserJet toner cartridge	1	each	
90-23-314	3	LaserJet toner cartridges, empty	2	each	
90-25-211	1	MID 2564-90-1116, 4054 body cap	1	each	attached screening form
		MID 2564-90-1117, 4054 body cap	1	each	
		MID 2564-90-1118, 4054 body cap	1	each	
		MID 2564-90-1119, 4054 body cap	1	each	
		MID 2564-90-1120, 4054 body cap	1	each	
		MID 2564-90-1121, 4054 body cap	1	each	
		MID 2564-90-1122, 4054 body cap	1	each	
		MID 2564-90-1123, 4054 body cap	1	each	
		MID 2564-90-1124, 4054 body cap	1	each	
		MID 2564-90-1125, 4054 body cap	1	each	
		MID 2564-90-1126, 4054 body cap	1	each	
		MID 2564-90-1127, 4054 body cap	1	each	
		MID 2564-90-1128, 4054 body cap	1	each	
		MID 2564-90-1129, 4054 body cap	1	each	
		MID 2564-90-1130, 4054 body cap	1	each	
		MID 2564-90-1131, 4054 body cap	1	each	
		MID 2564-90-1132, 4054 body cap	1	each	
		MID 2564-90-1133, 4054 body cap	1	each	
		MID 2564-90-1134, 4054 body cap	1	each	
		MID 2564-90-1135, 4054 body cap	1	each	
90-25-299	3	Copier toner cartridge	1	each	
90-28-226	3	Toner cartridge	1	each	
90-31-167	24	Laser printer toner cartridges	8	each	
90-31-172	12	Typewriter ribbon (Wheelwriter)	1	each	

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-31-172 (Continued)	above	Canon Cartridge A30	1	each	
		LaserJet toner cartridges, empty	1	each	
90-34-622	29	Seals, used, classified	1	each	
90-51-135	30	MC3641, circuit boards, MID 5726-069-363	1	each	
		MC3641, circuit boards, MID 5726-069-362	1	each	
		MC2946	1	each	
		Fire set, MC2918, MID 069-343	1	each	
		Fire set, MC3276, MID 069-344	1	each	
90-51-140	100	Wood box with: FWD desiccant, FWD MT residue, cable (2), cover, ballast assy (2), AFT ring, detectors (2), module, converter, and brackets	1	box	attached screening form
90-51-141	60	AFT housing MID 11357, Box 1	1	box	attached screening form
		AFT housing, isolator, shield, signal processor, Box 2	1	box	
90-51-142	150	Handling fixture T547866	1	each	
90-51-147	400	Wood box with test panels, round end plaza, samples, MC components	1	box	attached screening form and certification
90-51-230 ^a	125	Samples, test panels (bag)	124	each	also in Batch #4 & Batch #6
		Assemblies, liner, cable, groove (box)	35	each	
90-52-200	4,000	DOE tractor armor residue; consists of blankets, fiberglass ballistic, transp. armor, steel armor	12	skids	attached screening form
90-72-113	15	W54 nose	1	each	
		W54 bottle	1	each	
		W54 liner	1	each	
		W54 AFT sect.	1	each	
90-72-170	200	FWD, section of MC2882 case (residue)	6	each	attached screening form
		AFT, section of MC2882 case (residue)	2	each	
		6.4" x 5" (approx.) section of MC2882 case (residue)	1	each	
		3.5" x 3" (approx.) section of MC2881 case (residue)	5	each	
		3 7/8" x 2" (approx.) section of MC2881 case (residue)	4	each	
90-72-195	3	Toner cartridge for LaserJet	1	each	

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-72-206	30	W076 MC2912 AF&F MID 7897	1	each	attached screening form
90-72-213	30	Field test X units, type TC1320 P/N P91807-000	2	each	attached screening form
90-72-219	6	LaserJet toner cartridges, used	2	each	attached screening form
90-74-255	2	Tektronix transfer roll	1	each	
90-75-140	30	Rear cover, JTU-8	1	each	
90-81-113	16	Containment C013259	1	each	
		Containment C013260	1	each	
		Mock HE C013262	1	each	
		Cushion C013181	1	each	
		Cushion C013182	1	each	
90-81-116	200	W82 WPW shell C013664	1	each	
		W82 WPW shell C013663	1	each	
		W82 MC3442 C010832	1	each	
		W82 MC3442 C010842	1	each	
		W82 ball and post C013662	1	each	
		W82 B module B6-19 C011029	1	each	
		W82 reel test assy C012951 (C013001 incorp)	1	each	
		W82 B module C010836	1	each	
		W82 B module C011028	1	each	
		W82 B module C010835	1	each	
		W82 B module C011030	1	each	
		W82 UDL material casting	1	each	
		W82 component case	1	each	
		W82 firing set model	1	each	
		W82 comp case (clear)	1	each	
W82 flange cutup	1	each			
W82 flange	6	each			

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-81-116 (Continued)	above	W82 flange (clear)	2	each	
		W82 misc hemi shells	1	each	
90-81-130	na	Misc. parts	2	box	
90-81-139	na	Support FWD assy	5	each	
90-81-151	45	MC3571 TRA	1	each	
		Heat shield test section	1	each	
		Heat shield samples	2	each	
		Baffle	1	each	
		Heat shield test sample	2	each	
		Rear cover spin system, inert	2	each	
		Rear cover spin system, inert and cable	1	each	
		Rear cover spin system, inert	1	each	
		Spin system inert dummy	1	each	
90-81-156	2	C010087, W87 cushion	1	each	
		C010666, W87 AFT gear	1	each	
		C010083, W87 cushion	1	each	
90-81-157	42	Foam wing C013695	1	each	
		Foam wing C013696	1	each	
		Foam wing C013697	1	each	
		Foam wing C013698	1	each	
		Foam wing C013699	1	each	
		Foam wing C013700	1	each	
		Foam wing C013701	1	each	
		ALU-mold C013702	1	each	
		ALU-mold C013703	1	each	
90-81-170	18	MC3727 mass-mock neutron generator	1	each	
		MC3725 timer "remains"	1	each	
		MC3719 firing set assembly "prototype"	1	each	
		MC3719 firing set assembly "breadboard"	1	each	

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-81-171	26	W87 cable disk assy	1	each	
		W87 NEP mock-up	1	each	
90-81-172	108	Alt ring	1	each	
		Nose plug	1	each	
		Nose insert	1	each	
		Baffle	4	each	
		MC3738	3	each	
		Filter plugs	4	each	
		Valve housing	2	each	
		MC3571 TRB	2	each	
		Antennas	4	each	
		MSAD actuators	1	each	
		MC3719 firing set	2	each	
90-81-210	20	AFA, JTU 4B	2	each	
		Fuse support	7	each	
90-82-279	669	Foot and nose	2	each	
		Computer tapes	1	lot	
90-82-326	376	Magnetic analog recording tapes	7	box	
90-83-143	10	Old W87 transfer system	1	each	
		2 parts	1	bag	
		2 parts	1	bag	
		2 parts	1	bag	
		Container of MC1663	1	each	
		C013727	1	each	
		C013728	1	each	
		C013729	1	each	
		C013730	1	each	
		C013731	1	each	
C013732	1	each			

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-83-143 (Continued)	above	C013733	1	each	
		C013734	1	each	
		C013735	1	each	
		C013736	1	each	
		C013737	1	each	
		MC1663	1	each	
		MC1663	1	each	
		MC1663	1	each	
		MC1663	1	each	
		MC1663	1	each	
		Misc.	2	lot	
90-84-101	4	Optics block	5	each	
		Ltimex hybrid	4	each	
		Ltimex SC hybrid	4	each	
		Prom's	4	each	
90-84-106	52	Cap, left	49	each	
		Cap, right	49	each	
90-84-112	na	Silfer assy	1	each	
		Misc. hardware	1	box	
90-84-140	20	W76 test vessels	2	each	
90-84-166	30	A23875 TM case	3	each	
		A23833 TM side ring	4	each	
		A25066 TM cover	5	each	
90-84-171	66	A56983 SP1057	1	each	
		A56983 SP1057	3	each	
		A56980	1	each	
		Tubes C&D	2	each	
		Spheres	15	each	
		Misc. HDW	6	each	

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-84-171 (Continued)	above	Misc. HDW	6	each	
		MC3443	1	each	
		MC3474	1	each	
		MC3474 SP1011	1	each	
		MC3972 SL-12	1	each	
		MC3474 MAD828007	1	each	
		MC3443	9	each	
		MC3474 8442/34/0004	1	each	
90-84-177	900	Test fixturing	15	each	
		Test optical fixture	1	each	
		Test beams (wood)	3	each	
		Graphite tubes	7	each	
90-84-213	148	Metal drum full of classified scrap parts	1	drum	
90-84-218	50	Misc. parts - plastic and metal	2	box	
90-90-180	30	LaserJet cartridges	2	each	
		8" x 11" Bernoulli cartridges (10 MB disks) - degaussed	4	each	
		5.25" high capacity disk cartridges (20 MB) - degaussed	8	each	
		5.25" 3M-DS, DP, RH double-sided floppy disk - degaussed	1	each	
90-84-190	110	5 gal. container of processed glass plate photographic plates	1	each	
		5 gal. container of processed glass plate photographic plates plus several pressure vessels (salt & pepper), one 980, one 830	1	each	
90-84-196	54	W84 FWD case assy	1	each	
		MC3465A (empty)	9	each	
90-84-197	125	Metal drum full of scrap, classified stainless steel parts	1	drum	
90-91-129	40	SLC-4 Material MID 0654	16	each	attached screening form
		Ablation sample, STREP, #2-1R MID 2656	1	each	
		Ablation sample, STREP, #6-6 MID 2657	1	each	
		Ablation sample, STREP, #2-2R MID 2658	1	each	
		Ablation sample, STREP, #2-3 MID 2659	1	each	

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-91-129 (Continued)	above	Ablation sample, STREP, #2-4 MID 2660	1	each	above
		Ablation sample, STREP, #6-2 MID 2661	1	each	
		Ablation sample, STREP, #6-1R MID 2662	1	each	
		Ablation sample, STREP, #6-3 MID 2663	1	each	
		Ablation sample, STREP, #6-4 ID 2664	1	each	
		Ablation sample, STREP, #6-5 MID 2665	1	each	
		Ablation sample, STREP, #7-1 MID 2666	1	each	
		Ablation sample, STREP, #7-2 MID 2667	1	each	
		Ablation sample, STREP MID 2668	1	each	
		Ablation sample A MID 2669	1	each	
		Ablation sample B MID 2670	1	each	
		Thermal comp. cond. sample 1A MID 6783	1	each	
		Thermal comp. cond. sample 1B MID 6784	13	each	
		Thermal comp. cond. sample 1C MID 6785	1	each	
		Thermal comp. cond. sample 1D MID 6786	3	each	
		Thermal comp. cond. sample 1E MID 6787	3	each	
		Thermal comp. cond. sample 1F MID 6788	1	each	
		Thermal comp. cond. sample 1G MID 6789	1	each	
		Thermal comp. cond. sample 1H MID 6790	3	each	
		Comp. cond. sample 1-I MID 6791	3	each	
		Thermal comp. cond. sample 1-J MID 6792	1	each	
		Test sample (epoxy and rubber) MID 6797	21	each	
		Rubber specimens MID 7036	20	each	
		Epoxy specimens MID 7037	4	each	
		LBRV-2 heatshield section MID 7364	6	each	
		Thermal sample MID 8412	21	each	
Epoxy sample MID 8672	1	each			
Thermal samples MID 8675	12	each			

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-91-142	30	Silica phenolic ring MID 17157	1	each	attached screening form
		Silica phenolic ring MID 17158	1	each	
		Silica phenolic ring MID 17159	1	each	
		Silica phenolic ring MID 17160	1	each	
		Silica phenolic ring MID 17161	1	each	
90-91-157 ^a	300	Target (1) NNK EARP MID 11335	1	each	also in Batch #5, attached screening form
		Target (2) NNK EARP MID 11336	1	each	
		NNK EARP scrap MID 11347	1	each	
		Target pieces, EARP MID 11518	1	each	
		MDAC solid E7 NT-98 MID 8248	1	each	
		MDAC solid E7 NT-99 MID 8249	1	each	
		MDAC solid E7 NT-100 MID 8250	1	each	
		MDAC solid E7 NT-101 MID 8251	1	each	
		MDAC solid E7 NT-102 MID 8252	1	each	
		MDAC solid E7 NT-103 MID 8253	1	each	
		MDAC solid E7 NT-104 MID 8254	1	each	
		MDAC solid E7 NT-105 MID 8255	1	each	
		MDAC solid R7 NT-106 MID 8256	1	each	
		MDAC solid R7 NT-107 MID 8257	1	each	
		MDAC solid R7 NT-108 MID 8258	1	each	
		MDAC solid R7 NT-109 MID 8259	1	each	
		MDAC solid R7 NT-110 MID 8260	1	each	
		MDAC solid R7 NT-111 MID 8261	1	each	
		MDAC solid R7 NT-112 MID 8262	1	each	
		MDAC solid R7 NT-113 MID 8263	1	each	
MDAC solid E3 NT-114 MID 8264	1	each			
MDAC solid E3 NT-115 MID 8265	1	each			
MDAC solid E3 NT-116 MID 8266	1	each			
MDAC solid E3 NT-117 MID 8267	1	each			

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-91-157 ^a (Continued)	above	MDAC solid R3 NT-118 MID 8268	1	each	above
		MDAC solid R3 NT-119 MID 8269	1	each	
		MDAC solid R3 NT-120 MID 8270	1	each	
		MDAC solid R3 NT-121 MID 8381	1	each	
		MDAC solid E0 NT-122 MID 8382	1	each	
		MDAC solid E0 NT-123 MID 8383	1	each	
		MDAC solid R0 NT-124 MID 8384	1	each	
		MDAC solid R0 NT-125 MID 8385	1	each	
		MDAC type 4, E7 NT-126 MID 8386	1	each	
		MDAC type 4, EN NT-127 MID 8387	1	each	
		MDAC solid R7 NT-128 MID 8388	1	each	
		MDAC type 4, R7 NT-129 MID 8389	1	each	
		MDAC solid R7 NT-134 MID 8393	1	each	
		MDAC solid E3 NT-135 MID 8394	1	each	
		MDAC solid E7 NT-136 MID 8395	1	each	
		TGA Test sample E 70% A MID 8243	1	each	
		TGA Test sample E 50% A MID 8244	1	each	
		TGA Test sample R 70% A MID 8245	1	each	
		TGA Test sample R 50% A MID 8246	1	each	
		Sample from MID 6856 MID 7050	1	each	
90-91-177	200	STV-4 FWD ring MID 9245	1	each	attached screening form
		STV-4 heat shield MID 7259	1	each	
		STV-4 AFT ring MID 9244	1	each	
		1/3 scale solid substructure MID 3766	1	each	
		STV-6 aluminum nose MID 4920	1	each	
90-91-178	40	Model scale STREP vehicle cone shape MID 0570	1	each	attached screening form
		STREP scale model veh. MID 3765	1	each	
		STREP nose ballast MID 4435	1	each	
		Test model #1 MID 4441	1	each	

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-91-178 (Continued)	above	Test model MID 4442	1	each	above
		Test model MID 4443	1	each	
		Test model MID 4444	1	each	
		Test model MID 4445	1	each	
		Test model MID 4446	1	each	
		Test model MID 4447	1	each	
		Test model MID 4448	1	each	
		Test model MID 4911	1	each	
		Test model MID 4924	1	each	
		Test model MID 4925	1	each	
		Test model MID 4926	1	each	
		Test model MID 4927	1	each	
		Test model MID 4928	1	each	
Test model MID 4929	1	each			
90-91-180	500	STREP 22 sample MID 3859	1	each	attached screening form
		STREP 22 sample MID 3860	1	each	
		STREP 22 sample MID 34672	1	each	
		Full scale cone #2 MID 3841	1	each	
		TTV rear sect. MID 4692	1	each	
		Cover protector MID 624	1	each	
90-91-201	2,136	Wrap mandrel MID 4326	1	box	attached screening form
		Bag form MID 4327	1	box	
		Bag expanding MID 4328	1	box	
		HOE handling fixture MID 3834 (plastic bag)	1	each	
		STV-4 back section mock-up MID 4951 (plastic bag)	1	each	
90-93-178	90	Transducers	32	each	attached screening form
		Tubes, transducer	63	each	
		Bag (misc. parts)	1	each	

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-AMO-101	90	Photomasks 182 each	2	box	
		Photomasks 38 each	1	box	
90-AMO-112	2	624 level 3 die from Q0113A wafers 1-24 MID 18045 (26 die per wafer)	624	each	
D-90-0B	2	Weapon component P/N 338174	1	each	
D-90-012	2	Weapon component P/N 422052 W78 forward support	1	each	
MOVE ORDER 339467	na	W076 MC2912 AF&F MID 7897	1	each	attached to 90-72-206
MOVE ORDER 363678	na	Tapes	18	crate	
		Tapes	2	pallet	
		Microwaves	1	pallet	
		Column pressure	1	pallet	
		Steel	1	hopper	
		Tapes	2	pallet	
		Tapes	11	crate	
		Steel	1	pallet	
		Tapes	4	pallet	
		Tapes	4	crate	
		Tapes	1	pallet	
		Steel/tapes	13	crate	
		Steel/tapes/trash	3	hopper	
		Steel/tapes	3	pallet	
Classified media	na	na			
Shipper 045501	526	DSP 200 parts, AFT support	1	each	attached to 89-82-145
		DSP 200 parts, FWD support	1	each	
		DSP 200 parts, AFT support	1	each	
		DSP 200 parts, AFT TM support	1	each	
		DSP 200 parts, FWD support	1	each	

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
Shipper 045501 (Continued)	above	DSP 200 parts, FWD TM support	2	each	above
		DSP 200 parts, AFT TM support	1	each	
		DSP 200 parts, FWD support	2	each	
		DSP 200 parts, AFT support	2	each	
		End cap, 85-001	1	each	
		End cap, 85-002	1	each	
		End cap, 85-003	1	each	
		Neutron generator mock-up	2	each	
Shipper 052551	20	MID C012402 welded assy	1	each	attached to 89-84-115
		MID C012403 welded assy	1	each	
		MID C012408 welded assy	1	each	
		MID C012409 welded assy	1	each	
		MID C012523 welded assy	1	each	
		A43650	7	each	
		455389	5	each	
		454150	8	each	
Shipper 045510	28	AFT fairing, A34332	25	each	attached to 89-84-128
		FWD fairing, A34333	25	each	
Shipper 045525	3	FWD fairing, A34333	1	each	attached to 89-84-128
Shipper 045529	530	Metal drums containing scrap metal	2	each	attached to 89-84-144
Shipper 79848	1,509	Misc. components, drums not to be opened, no haz. material	8	drum	attached to 89-85-188, attached certification
Shipper 045572	16	Containment C013259	1	each	attached to 90-81-113
		Containment C013260	1	each	
		Mock HE C013262	1	each	
		Cushion C013181	1	each	
		Cushion C013182	1	each	

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
Shipper 045573	210	W82 WPW shell C013664	1	each	attached to 90-81-116
		W82 WPW shell C013663	1	each	
		W82 MC3442 C010832	1	each	
		W82 MC3442 C010842	1	each	
		W82 ball and post C013662	1	each	
		W82 B module B6-19 C011029	1	each	
		W82 reel test assy C012951 (C013001 incorp)	1	each	
		W82 B module C010836	1	each	
		W82 B module C011028	1	each	
		W82 B module C010835	1	each	
		W82 B module C011030	1	each	
		W82 UDL material casting	1	each	
		W82 component case	1	each	
		W82 firing set model	1	each	
		W82 comp case (clear)	1	each	
		W82 flange cutup	1	each	
		W82 flange	6	each	
		W82 flange (clear)	2	each	
W82 misc hemi shells	1	each			
Shipper 142987	45	MC3571 TRA	1	each	attached to 90-81-151
		Heat shield test section	1	each	
		Heat shield samples	2	each	
		Baffle	1	each	
		Heat shield test sample	2	each	
Shipper 80382	2	C010087, W87 cushion	1	each	attached to 90-81-156
		C010666, W87 AFT gear	1	each	
		C010083, W87 cushion	1	each	

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
Shipper 80381	42	Foam wing C013695	1	each	attached to 90-81-157
		Foam wing C013696	1	each	
		Foam wing C013697	1	each	
		Foam wing C013698	1	each	
		Foam wing C013699	1	each	
		Foam wing C013700	1	each	
		Foam wing C013701	1	each	
		ALU-mold C013702	1	each	
ALU-mold C013703	1	each			
Shipper 80385	18	MC3727 mass-mock neutron generator	1	each	attached to 90-81-170
		MC3725 timer "remains"	1	each	
		MC3719 firing set assembly "prototype"	1	each	
		MC3719 firing set assembly "breadboard"	1	each	
Shipper 80380	26	W87 cable disk assy	1	each	attached to 90-81-171
		W87 NEP mock-up	1	each	
Shipper 80379	108	Alt ring	1	each	attached to 90-81-172
		Nose plug	1	each	
		Nose insert	1	each	
		Baffle	4	each	
		MC3738	3	each	
		Filter plugs	4	each	
		Valve housing	2	each	
		MC3571 TRB	2	each	
		Antennas	4	each	
		MSAD actuators	1	each	
		MC3719 firing set	2	each	
		AFA, JTU 4B	2	each	
Rear cover spin system, inert	2	each			
Rear cover spin system, inert and cable	1	each			

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
Shipper 80379 (Continued)	above	Rear cover spin system, inert	1	each	above
		Spin system inert dummy	1	each	
Shipper 80468	48	Foot and nose	2	each	attached to 90-81-210
Shipper 80453	669	Computer tapes	1	lot	attached to 90-82-279
Shipper 64172	376	Computer tapes	7	box	attached to 90-82-326
Shipper 142980	10	Old W87 transfer system	1	each	attached to 90-83-143
		2 parts	1	bag	
		2 parts	1	bag	
		2 parts	1	bag	
		Container of MC1663	1	each	
		C013727	1	each	
		C013728	1	each	
		C013729	1	each	
		C013730	1	each	
		C013731	1	each	
		C013732	1	each	
		C013733	1	each	
		C013734	1	each	
		C013735	1	each	
		C013736	1	each	
		C013737	1	each	
		MC1663	1	each	
		MC1663	1	each	
		MC1663	1	each	
MC1663	1	each			
MC1663	1	each			
Shipper 045564	4	Optics block	5	each	attached to 90-84-101
		Ltimex hybrid	4	each	

Table B-3 (Continued)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
Shipper 045564 (Continued)	above	Ltimex SC hybrid	4	each	above
		Prom's	4	each	
Shipper 045565	52	Cap, left	49	each	attached to 90-84-106
		Cap, right	49	each	
Shipper 142988	20	W76 test vessels	2	each	attached to 90-84-140
Shipper 80386	30	A23875 TM case	3	each	attached to 90-84-166
		A23833 TM side ring	4	each	
		A25066 TM cover	5	each	
Shipper 80388	66	A56983 SP1057	1	each	attached to 90-84-171
		A56983 SP1057	3	each	
		A56980	1	each	
		Tubes C&D	2	each	
		Spheres	15	each	
		Misc. HDW	12	each	
		MC3443	1	each	
		MC3474	1	each	
		MC3474 SP1011	1	each	
		MC3972 SL-12	1	each	
		MC3474 MAD828007	1	each	
		MC3443	9	each	
		MC3474 8442/34/0004	1	each	
Shipper 80465	1162	Test fixturing	15	each	attached to 90-84-177
		Test optical fixture	1	each	
		Test beams (wood)	3	each	
		Graphite tubes	7	each	
Shipper 80461	148	Metal drum full of classified scrap parts	1	drum	attached to 90-84-213
Shipper 80460	50	Misc. parts - plastic and metal	2	box	attached to 90-84-218

Table B-3 (Concluded)
 Landfill Inventory for Batch #3, Burial Date 10/15/1990
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
Shipper 80389	110	5 gal. container of processed glass plate photographic plates	1	each	attached to 90-84-190
		5 gal. container of processed glass plate photographic plates plus several pressure vessels (salt & pepper), one 980, one 830	1	each	
Shipper 80463	54	W84 FWD case assy	1	each	attached to 90-84-196
		MC3465A (empty)	9	each	
Shipper 80462	125	Metal drum full of scrap, classified stainless steel parts	1	drum	attached to 90-84-197
Batch #3 Total Approximate Burial Weight = 122,011 lbs					

Note: Form #s are Delivery to Reclamation form numbers unless otherwise noted. The text in this table was entered as shown on the forms; therefore, some information may have multiple abbreviations and formats. Unless otherwise noted, weights are assumed to be representative of all items listed on the form.

^aReclamation Form or Move Order was found in multiple batches. See "Notes" column.

na = Not available.

Table B-4
 Landfill Inventory for Batch #4, Burial Date 4/10/1991
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
Receipt of Item 89-21-89	na	MID 9527 Q0453A SA3002-41	5	each	Delivery to Reclamation form not found
	na	MID 13524 (13490) Q0497A SA 3002-46	na	na	
	na	MID 13679 Q01 12A	150	each	
	na	MID 12380 Q01012AA OS/A234-S	2	each	
	na	MID 13606 Q04096AA01 SA 3002-48	38	each	
Receipt of Item 89-23-191	na	MID 11301 AOA TTV(2) scrap piece	1	each	Delivery to Reclamation form not found
Receipt of Item 90-21-89	na	MID 9740 SA 3002D 40, 41, 42 8941-1	15	each	Delivery to Reclamation form not found
	na	MID 16505 83C55 Row 51014	na	na	
89-21-140	1	MID 9014, SA3341, WL Q0803A, WO 4224-1-02	1	bag	
89-21-147	150	Box 1 1080 rejects	1	box	
		Box 2 1517 rejects	1	box	
		Box 3 24 rejects	1	box	
		Box 4 8119 inked rejects	1	box	
		Box 5 4076 rejects	1	box	
		Box 6 17 rejects photomasks	1	box	
89-21-150	30	50 parts	1	box	
89-26-192	360	Photo conductor drums, 34 boxes	36	drum	
89-23-168 ^a	100	MK12A Waveguide load (2 pieces)	1	each	also in Batch #6
		MK12A adapter	1	each	
		MK12A section	1	each	
		MK12A Z simulator w/ ring	1	each	
		ABRV-3 mock-up section	1	each	
		Nose antenna	1	each	
		Nose	1	each	
89-34-577 ^a	2,000	B043 D-tested MC993 MID 2316	2	box	also in Batch #3
		W031, XM75AK 1/5 MID 1824	1	each	
		B043 case ring	2	each	

Table B-4 (Continued)
 Landfill Inventory for Batch #4, Burial Date 4/10/1991
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-34-577 ^a (Continued)	above	B028 cutaway	1	each	above
		W058 firing set	1	box	
		B053 components	1	box	
		W069 dummy det. set	1	each	
		W031 N/GEN	1	each	
		B028 mod 8 fuse	1	each	
		B028 residue	1	each	
89-34-581	120	MC1523 fire set	1	each	
		MC661 X unit	1	each	
		MC1088 fire set	1	each	
		W71 firing set	1	each	
		LLC components	10	each	
		LARF radar cutaway MID 7838	1	each	
89-34-582	150	Missile coded unit, MID 11245	1	each	
		Shilling, MID 11244	1	each	
		MC 312972-06, MID 11250	1	each	
		Initiator tile, MID 11246	1	each	attached screening form
		Initiator tile, MID 11247	1	each	
		MC2579 cutaway MID 11251	1	each	
		MC2607 TRB ID 898	1	each	
		Plane wave generator ID 048	1	each	
		MC3021 TRA ID 1061	1	each	
		W74 fire set ID 565	1	each	
		N.G. source ID 1203	1	each	
		Lens fragment, W70 ID 1062	1	each	
		W70 lens, ID 1066, 1067, 1068	3	each	
Razorback tile, ID 242	1	each			

Table B-4 (Continued)
 Landfill Inventory for Batch #4, Burial Date 4/10/1991
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-34-584 ^a	50	W45-3B residue MID 0008	1	each	also in Batch #3, "Sent to Robert Cox to remove hazardous waste"
		1A reservoir MID 11240	1	each	also in Batch #3
		W66 (Sprint) model T MID 11243	1	each	
		MC 1327 MID 5323, MID 11257	2	each	
		MC1518, MID 11258, MID 11259	2	each	
89-51-172	60	TM det mon. FWD 5141-85-007	1	each	
		TM det mon. FWD 5141-85-009	1	each	
		TM det mon. FWD 5141-85-010	1	each	
		TM det mon. FWD 5141-85-011	1	each	
		TM det mon. AFT 5141-85-012	1	each	
		TM det mon. AFT 5141-85-013	1	each	
		TM det mon. AFT 5141-85-014	1	each	
		TM det mon. AFT 5141-85-015	1	each	
		TM det mon. AFT 5141-85-016	1	each	
		TM det mon. AFT 5141-85-017	1	each	
		TM det mon. AFT 5141-85-018	1	each	
		TM test load 5141-85-019	1	each	
89-75-160	200	Wooden sock fixture (NNK) MID 8699	1	each	attached Storage Action 545869
89-81-113	440	Block A57110	5	each	
		Ramp	1	each	
		W55 shipping container ATC	1	each	
		ATC wood liner	1	each	
		W79 GE-CK-W82FC-FG-FF	9	each	
		Mag tapes test 9018	10	each	
		Rad cal unit B83	1	each	
TP9059 flt test tape	3	each			

Table B-4 (Continued)
 Landfill Inventory for Batch #4, Burial Date 4/10/1991
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-81-113 (Continued)	above	W79 test data	9	each	
		Mag tapes W84 FTU2	19	each	
		Mag tapes W84 FTU3	12	each	
		B83 ITU film spares	2	each	
		A cap	2	each	
		Film ITU-8B	1	each	"to Document Control for disposal"
		Film ITU-11B, 989C, D	1	each	
		Film ITU 11E, 9896	1	each	
		Film ITU 4, 11, 10, 15F	1	each	
		Nose support table	1	each	
		Nose stand tall	2	each	
		W84 flight test film	16	each	
		ITU 15	1	each	
		Shipping container	2	each	
		MAU 12 rack	2	each	
		Cae MTU	7	each	
		Die, seal ring	1	each	
		Gasket, bulkhead	4	each	
		Gasket, case	4	each	
		CF1832 cables, W/H790	4	each	
		X771, trim Wt. FWD	1	each	
		MC1325 TR Ty 2A	1	each	"Moved to HOP#2, contains haz waste"
		W70 vibration fixture	1	each	
		M96 firing device	1	each	"Not for burial until possibility of haz waste determined"
		W70 assy stand	1	each	
		Cover prot. W70-4 JTA	1	each	

Table B-4 (Continued)
 Landfill Inventory for Batch #4, Burial Date 4/10/1991
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-81-113 (Continued)	above	Assy dolly W70	1	each	
		LTU-1-LT-AFT	1	each	
		W84 piece parts, cutup	2	each	
89-84-134	520	W55 test bed and other parts (magnesium)	1	each	"magnesium please deliver"
		MC1656 fire set	2	each	
89-91-121	400	H/S TTV MM20 scrap MID 11302	2	each	
		H/S Hr(1.0)AOA blue(2)MM22 MID 12303	1	each	
		Ship RV-7 MM2, MID 12308	1	each	
		H/SHR(1.0)RDT, red(1)MM19 MID 11220	1	each	
		H/SHR(1.0)AOA blue(1)MM18 MID 11217	2	each	
		H/SRV(1.0)ERIS, blue(2) MM16 MID 11210	1	each	
		ULR-ATV-2, MAT#5, MID 9798	1	each	
		MID 11218 AOA TTV(3) scrap	1	each	
		MID 11301 AOA TTV(2) scrap	1	each	
		H/S TTV MM24 scrap MID 11309	2	each	
		NNK EARP scrap (3) MID 11340	3	each	
		Classified scrap (carton) MID 12502	1	each	
89-91-128	200	Janus FWD section H/S scrap MID 077	1	each	
		Cutout pcs, scrap MID 078	1	each	
		H/S ring AFT sec#1 MID 079	1	each	
		Macerated 2"L glass fiber MID 5846	1	each	
		AFT ring surplus Mat'l, RV-4 MID 6624	4	piece	
		AFT H/S test frustrum#4, NNK MID 6756	1	each	
		STV-4 scrap mat'l, MID 7260	2	piece	
		H/S scrap TTV-HR4 (MM4) MID 7788	5	piece	
		H/S scrap pcs (MM4) MID 8333	3	piece	
		TTV-HRS (MM5) scrap mat'l MID 8340	5	piece	
Ship H/S#2 skirt MID 8399	3	piece			

Table B-4 (Continued)
 Landfill Inventory for Batch #4, Burial Date 4/10/1991
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-91-128 (Continued)	above	Scrap parts fr. RV-5 MM1 MID 8559	3	piece	
		AOA TTV scrap mat'l MID 8743	3	piece	
		Ship#13, FWD H/S ring#1 MID 9239	1	piece	
		Ship#13, AFT H/S ring#1 MID 9240	3	piece	
		STV-4 FWD ring, MID 9246	2	piece	
		SHIP#12 H/S FAT ring MID 9260	1	each	
		SHIP#12 H/S FAT ring MID 9261	1	each	
		Ring support TOP#10 MID 9268	1	each	
		ATV-HR (MM1) H/S FWD ring MID 9638	1	each	
		ATV-HR (MM1) H/S FWD ring MID 9639	1	each	
		ATV-HR FWD ring (MM3) MID 9672	1	each	
		ATV-HR AFT ring (MM3) MID 9673	1	each	
		Janus aeroshell scrap MID 9674	1	each	
		IR test sample MID 9797	1	each	
		FWD ring TTV-HR3 (MM3) MID 9969	1	each	
		AFT ring TTV-HR3 (MM3) MID 9970	1	bag	
		Ship H/S, Scrap MID 11385	1	each	
		Ring, scrap pieces, ERIS, MID 11403	1	each	
Antenna mount ring MID 9236	1	each			
89-91-133	600	ODTP scaled nosetip MID 501	1	each	
		Ablation material sample 1A MID 505	1	each	
		Ablation material sample 1B MID 506	1	each	
		Ablation material sample 1C MID 507	1	each	
		Ablation material sample 1D MID 508	1	each	
		Ablation material sample 2A MID 509	1	each	
		Ablation material sample 2B MID 510	1	each	
		Ablation material sample 2C MID 511	1	each	
		Ablation material sample 2D MID 512	1	each	
Ablation material sample 3A MID 513	1	each			

Table B-4 (Continued)
 Landfill Inventory for Batch #4, Burial Date 4/10/1991
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-91-133 (Continued)	above	Ablation material sample 3B MID 514	1	each	
		Ablation material sample 3C MID 515	1	each	
		Ablation material sample 3D MID 516	1	each	
		Ablation material sample 4A MID 517	1	each	
		Ablation material sample 4B MID 518	1	each	
		Ablation material sample 4C MID 519	1	each	
		Ablation material sample 4D MID 520	1	each	
		Ablation material sample 5A MID 521	1	each	
		Ablation material sample B MID 522	1	each	
		Ablation material sample 5C MID 523	1	each	
		Ablation material sample 5D MID 524	1	each	
		Rear protector MID 590	1	each	
		Rear protector MID 623	1	each	
		Rear protector MID 638	1	each	
		Cover protector MID 648	1	each	
		Flat plate target SB0-80-0230-S MID 749	1	each	
		Flat plate target SB0-80-0403-S MID 752	1	each	
		HOE-4 ring #1, MID 5400	1	each	
		Mini nosetip MID 6337	1	each	
		SSN-21 material MID 6370	1	each	
		NNK heatshield skirts No.1 MID 7039	1	each	
		AFT H/S test frustrum #6, NNK MID 7365	1	each	
		G.E. CMP nosetip mat. MID 8118	1	each	
		Ship H/S #nose ring MID 8400	1	each	
		Ship H/#3 skirt MID 8401	1	each	
		Ship H/S #3 flange MID 8403	1	each	
NNK(TTV) H/S #3 skirt MID 8409	1	each			
Fustrum sec. plug. mat. MID 8836	1	each			
Skirt, AFT ship MID 8840	1	each			

Table B-4 (Continued)
 Landfill Inventory for Batch #4, Burial Date 4/10/1991
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-91-133 (Continued)	above	Ship #10 AFT H/S ring #1 MID 9161	1	each	
		Ship #10 FWD H/S ring #2 MID 9162	1	each	
		Ship #10 AFT H/S ring #2 MID 9163	1	each	
		Ship #11 FWD H/S ring #2 MID 9200	1	each	
		Ship #12 FWD H/S ring #2 MID 9229	1	each	
		Ship #12 AFT H/S ring #2 MID 9230	1	each	
		Ship #11 FWD H/S ring #2 MID 9237	1	each	
		Ship #11 AFT H/S ring #2 MID 9238	1	each	
		HR FWD H/S ring MID 9781	1	each	
		Test pieces MID 11304	10	each	
		Test pieces MID 11305	9	each	
		Test bars Acrex Ablation MID 11310	43	each	
		Test bars MID 11311	12	each	
		Test bars MID 11312	8	each	
		Test bars MID 12559 to 12564, 12602 to 12607	12	bag	
		89-91-136	150	H/S, RV(1.0)ERIS, blue (1) MM14 MID 11208 scraps	8
AFT H/S test frustrum #6, MID 7362	1			each	
LBRV-II AFT H/S MID 4694	1			each	
LBRV-II N/T modl, MID 4685	1			each	
LBRV-II AFT H/S MID 4683	1			each	
LBRV-II ant. mold 280 MID 4695	1			each	
LBRV-II ant. mold 333 MID 4696	1			each	
LBRV-II cast H/S 84 MID 4705	1			each	
LBRV-II cast H/S 221 MID 4706	1			each	
LBRV-II #1 Ant. cast 20 MID 4957	1			each	
LBRV-II #2 Ant. cast 20 MID 4958	1			each	
LBRV-II #3 Ant. cast 20 MID 4959	1			each	
LBRV-II #4 Ant. cast 20 MID 4960	1	each			
LBRV-II #1 Ant. cast 286 MID 4961	1	each			

Table B-4 (Continued)
 Landfill Inventory for Batch #4, Burial Date 4/10/1991
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-91-136 (Continued)	above	LBRV-II #2 Ant. cast 286 MID 4962	1	each	
		LBRV-II #3 Ant. cast 286 MID 4963	1	each	
		LBRV-II #4 Ant. cast 286 MID 4964	1	each	
		LBRV-II #2 Ant. cast 333 MID 4966	1	each	
		LBRV-II #5 Ant. cast 20 MID 5084	1	each	
		LBRV-II MID sec w153-243 MID 5087	1	each	
		RTV Ant. H.S. mold B MID 5119	1	each	
		200 Ant. w/ flange MID 5273	1	each	
		106 Ant. w/ flange MID 5325	1	each	
		153 Ant. w/ flange MID 5326	1	each	
		200 Ant. w/ flange MID 5327	1	each	
		LBRV-II H/S F215-260 MID 5557	1	each	
		LBRV-II MID sec H/S MID 6456	1	each	
		LBRV-II Ant. w/ flange 153 MID 7321	1	each	
		Mounting fixture ULR MID 11323	1	each	
		Ring, AFT RDT-ULR/HR MID 11390	5	each	
		Ring, AFT RDT-ULR/HR MID 11395	1	each	
		LBRV H/S mold 0 AFT MID 3812	1	each	
		LBRV H/S mold 0 FWD MID 3813	1	each	
		LBRV H/S mold 1 MID 3817	1	each	
		LBRV H/S mold 2 MID 3818	1	each	
		LBRV H/S mold 3 MID 3819	1	each	
		LBRV-I H/S mold MID 4909	1	each	
		LBRV-I 63 wind/mold MID 4933	1	each	
LBRV-1 H/S mold#2 MID 6650	1	each			
LBRV-2 H/S G MID 5558	1	each			
90-21-101	40	Wafers (rejects) Box 1	44	each	
		Dies (rejects) Box 2	3429	each	

Table B-4 (Continued)
 Landfill Inventory for Batch #4, Burial Date 4/10/1991
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-21-102	10	Die, package rejects Box 1	559	each	
		Die, rejects Box 2	4715	each	
90-21-110	50	Obsolete photomasks	9	each	attached screening form
		Obsolete photomasks	78	each	
90-21-112	60	Parts (rejects) Box 1 & 2	7615	each	attached screening form
		Dies and wafers (rejects) Box 3	4771	each	
		Dies and wafers (rejects) Box 4	5000	each	
		Dies and wafers (rejects) Box 5	3928	each	
		Dies and wafers (rejects) Box 6	1388	each	
90-21-114	30	Box of integrated circuits - copies of MID cards attached	1	box	attached screening form
		Box of integrated circuits, 1 bag	12	each	
90-21-137	30	B67GL MID 11272, 11274 to 11289, 11293	18	each	
		MID 11295, 11298, 11299, 12685, 12714, 12715, 12718, 12753, 12754, 12757, 12766, 16371, 16436, 16446 to 16448, 11302 to 11307, 11313 to 11316	26	each	
		RP4I 04D Box 2	1	each	
		RP4L 7K-037	1	each	
		RP4L 7S-410952	1	each	
90-25-190	10	Excess OSCA MID 7792 to 7794, 9201 to 9225, 9291 to 9313	51	each	
90-51-230 ^a	125	Samples, test panels (bag)	124	each	also in Batch #3 & Batch #6
		Assemblies, liner, cable, groove (box)	35	each	
90-91-141	20	Shield heat	1	each	
		Nose RDT	1	each	
		Ring stiffener	1	each	
		Doubler ant.	2	each	
		Housing Ant.	1	each	
		Mount ring TLM	1	each	
		Ring mount Btry	1	each	
		Manifold, trans	1	each	

Table B-4 (Continued)
 Landfill Inventory for Batch #4, Burial Date 4/10/1991
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-91-141 (Continued)	above	Ring mount, nosetip	1	each	
		Ring mount, ATLM	1	each	
		Cover, TM	2	each	
		Nose assy 6-10	1	each	
90-91-156	5	Samples MID 8121 to 8162, 8164 to 8183	62	each	attached screening form
90-91-163	40	Heatshield scrap pieces MID 11523	1	box	attached screening form and Storage Action 565401
90-91-167	20	STV-4 type FWD sect. H/S MID 5397	1	each	attached screening form
		NT mold, LBRV, RTV 630 MID 3820	1	each	
90-91-196	300	Heatshield scraps (6 boxes) MID 11841	73	each	attached screening form
91-51-130	4	Spacer	2	each	
90-51-217	25	Spacer 90	4	each	
91-74-174	na	MID 0008 W45-3B residue	1	each	
		MC1251 TR-7073	1	each	
90-91-101 ^a	300	Assembly fixture MID 0408	1	each	also in Batch #5
		AFT bowl assembly MID 0409	1	each	
		Bowl case, AFT MID 3177	1	each	
		Bowl support AFT MID 4338-81-087	1	each	
		Nosetip solid MID 8685	1	each	
		Nosetip solid MID 8687	1	each	
		TOP-1 mass mockup AFT sec. MID 8694	1	each	
		TOP-# mass mockup FWD sec. MID 9184	1	each	
		TOP-3 mass mockup AFT sec. MID 9190	1	each	
		TOP-1 mass mockup FWD sec. MID 8693	1	each	also in Batch #5
		Ship#10 H/S FWD ring#1 MID 8695	1	each	
91-91-121	125	STREP-22 sample MID 3853	1	each	
		STREP-22 sample MID 3854	1	each	

Table B-4 (Continued)
 Landfill Inventory for Batch #4, Burial Date 4/10/1991
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
91-91-121 (Continued)	above	STREP-22 S43528MID 3855	1	each	
		STREP-22 sample MID 3857	1	each	
		STREP-22 sample MID 3858	1	each	
		Bowl FWD charge MID 041	1	each	
		HOE-4 ring #2, MID 5401	1	each	
		FWD AFT ring surplus material MID 6623	1	each	
		H/S AFT ring (from unit 7683) MID 9675	6	each	
		NNK TTV H/S #3 nose ring MID 8410	1	each	
		NKK TTV H/S #2 skirt MID 8406	1	each	
		Ship #11 AFT H/S ring MID 9226	1	each	
		H/S material S/N X007 MID 6804	1	each	
91-93-114	1	Aluminum strip#1, MID 11590	1	each	
		Aluminum strip#2, MID 11591	1	each	
		Aluminum strip#3, MID 11592	1	each	
90-AMO-103	20	Package rejects, 1 box	3909	each	
MOVE ORDER 376185 ^a	na	Crates, tapes, classified media	14	each	also in Batch #1
		Pallets, classified waste	2	each	
		Crates, media	4	each	
MOVE ORDER 376186 ^a	na	Crates, tapes, units	7	each	also in Batch #7
		Hoppers, ships, tapes, units	2	each	
		Pallets, tapes, classified units	6	each	
Shipper 052572	340	MC1325 TR Ty 2A	1	each	attached to 89-81-113
		M96 firing device	1	each	
		X771, Trim Wt. FD	1	each	
		A cap, 220136	2	each	
Shipper 045512	520	Magnesium metal, flammable solid, UN1869, quantity classified, dangerous when wet	1	each	attached to 89-84-134
		MC1656 fire set	2	each	

Table B-4 (Concluded)
 Landfill Inventory for Batch #4, Burial Date 4/10/1991
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
Shipper 119190	285	Photoconductive drum	40	box	
Shipper 119189	285	Photoconductive drum	40	box	attached to Shipper 119190
Storage Action 543075	na	B043 D-tested MC993 MID 2316	2	box	attached to 89-34-577
		W031, XM75AK 1/5 MID 1824	1	each	
		B043 case ring	2	each	
		B028 cutaway	1	each	
		W058 firing set	1	box	
		B053 components	1	box	
		W069 dummy det. set	1	each	
		W031 N/GEN	1	each	
		B028 mod 8 fuse	1	each	
B028 residue	1	each			
Storage Action 545869	na	Wooden sock fixture (NNK) MID 8699	1	each	attached to 89-75-160
Storage Action 565401	40	Heatshield scrap pieces MID 11523	1	box	attached to 90-91-163
Batch #4 Total Approximate Burial Weight = 17,851 lbs					

Note: Form #s are Delivery to Reclamation form numbers unless otherwise noted. The text in this table was entered as shown on the forms; therefore, some information may have multiple abbreviations and formats. Unless otherwise noted, weights are assumed to be representative of all items listed on the form.

*Reclamation Form or Move Order was found in multiple batches. See "Notes" column.

na = Not available.

Table B-5
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-25-168	75	MC3514	1362		
		MC3722	39	each	
		MC3422	3113	each	
		MC2756	4	each	
		MC2704	671	each	
		MC2704 slugs	117	each	
		MC3036	194	each	
		MC3382	102	each	
89-34-585	150	W58 N.G. ID 636	1	each	
		MC1795/TRA, ID 969	1	each	
		MC1795b N.G. ID 968	1	each	
		MC1640A ID 857	1	each	
		IA reservoir ID 082	1	each	
		MC1917 N.G. ID 1112	1	each	
		1H/2H assy ID 833	1	each	
		W50 reservoir ID 1201	1	each	
		1E/W50 reservoir ID 1202	1	each	
		W70 lens ID 1069 to 1076	8	each	
		W050 case cushion ID 1336, 1337	2	each	
		W45 FWD elect. assy ID 1208	1	each	
		IE dummy ID 1209, 1210	2	each	
		Roll of wire ID 1231	1	each	
		MC1335 ID 882, 884	2	each	
		MC1187 ID 883	1	each	
89-34-586	200	Spider assy, ID 1086	1	each	
		W55 fire set ID 0362, 955	2	each	
		W45 fire set ID 855, 1205, 1206	3	each	
		Spider assy, ID 1085	1	each	
		Spider assy, ID 1338	1	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-34-586 (Continued)	above	Box of squabs ID 0235	1	each	
		MC1850 fire set ID 1232, 1233	2	each	
		MC1187 ID 272, 273	2	each	
		Fire set ID 621	1	each	
		PN 264427-00 ID 1237	1	each	
89-72-157	50	MC3065 fire set P/N 315696-00	1	each	
		MC1100 fire set P/N 310878-03	1	each	
89-81-131	2	Ring of steel	1	each	
90-15-103	2	Vax platters	8	each	
90-23-195	3	Used toner cartridge	1	each	
90-51-102	2	Antenna assy P/N 368782	1	each	
91-51-198	25	B90 spacers MID 16052, 16076 to 16079, 16081	6	each	attached screening form
		B90 spacers	3	each	
90-91-101 ^a	300	Assembly fixture MID 0408	1	each	also in Batch #4
		AFT bowl assembly MID 0409	1	each	
		Bowl case, AFT MID 3177	1	each	
		Bowl support AFT MID 4338-81-087	1	each	
		Nosetip solid MID 8685	1	each	
		Nosetip solid MID 8687	1	each	
		TOP-1 mass mockup AFT sec. MID 8694	1	each	
		TOP-# mass mockup FWD sec. MID 9184	1	each	
		TOP-3 mass mockup AFT sec. MID 9190	1	each	
		TOP-1 mass mockup FWD sec. MID 8693	1	each	
Ship#10 H/S FWD ring#1 MID 8695	1	each			
90-91-122	800	Drum, waste material MID 16858, 16859	2	drum	attached screening form and notes
88-91-133 ^a	na	Barrels, machine turnings, MIDs 12028, 12029, 12030	3	barrel	attached to 90-91-122, also in Batch #1

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
88-91-149 ^a	100	SSN-21 mold compound (metal drum in wooden crate) MID 8781	1	drum	attached to 90-91-122, also in Batch #1
90-91-157 ^a	300	Target (1) NNK EARP MID 11335	1	each	also in Batch #3, attached screening form
		Target (2) NNK EARP MID 11336	1	each	
		NNK EARP scrap MID 11347	1	each	
		Target pieces, EARP MID 11518	1	each	
		MDAC solid E7 NT-98 MID 8248	1	each	
		MDAC solid E7 NT-99 MID 8249	1	each	
		MDAC solid E7 NT-100 MID 8250	1	each	
		MDAC solid E7 NT-101 MID 8251	1	each	
		MDAC solid E7 NT-102 MID 8252	1	each	
		MDAC solid E7 NT-103 MID 8253	1	each	
		MDAC solid E7 NT-104 MID 8254	1	each	
		MDAC solid E7 NT-105 MID 8255	1	each	
		MDAC solid R7 NT-106 MID 8256	1	each	
		MDAC solid R7 NT-107 MID 8257	1	each	
		MDAC solid R7 NT-108 MID 8258	1	each	
		MDAC solid R7 NT-109 MID 8259	1	each	
		MDAC solid R7 NT-110 MID 8260	1	each	
		MDAC solid R7 NT-111 MID 8261	1	each	
		MDAC solid R7 NT-112 MID 8262	1	each	
		MDAC solid R7 NT-113 MID 8263	1	each	
MDAC solid E3 NT-114 MID 8264	1	each			
MDAC solid E3 NT-115 MID 8265	1	each			
MDAC solid E3 NT-116 MID 8266	1	each			
MDAC solid E3 NT-117 MID 8267	1	each			
MDAC solid R3 NT-118 MID 8268	1	each			
MDAC solid R3 NT-119 MID 8269	1	each			
MDAC solid R3 NT-120 MID 8270	1	each			

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-91-157 ^a (Continued)	above	MDAC solid R3 NT-121 MID 8381	1	each	above
		MDAC solid E0 NT-122 MID 8382	1	each	
		MDAC solid E0 NT-123 MID 8383	1	each	
		MDAC solid R0 NT-124 MID 8384	1	each	
		MDAC solid R0 NT-125 MID 8385	1	each	
		MDAC type 4, E7 NT-126 MID 8386	1	each	
		MDAC type 4, EN NT-127 MID 8387	1	each	
		MDAC solid R7 NT-128 MID 8388	1	each	
		MDAC type 4, R7 NT-129 MID 8389	1	each	
		MDAC solid R7 NT-134 MID 8393	1	each	
		MDAC solid E3 NT-135 MID 8394	1	each	
		MDAC solid E7 NT-136 MID 8395	1	each	
		TGA Test sample E 70% A MID 8243	1	each	
		TGA Test sample E 50% A MID 8244	1	each	
		TGA Test sample R 70% A MID 8245	1	each	
		TGA Test sample R 50% A MID 8246	1	each	
Sample from MID 6856 MID 7050	1	each			
91-02-105	6	LaserJet printer cartridges	2	each	
91-03-109	3	HP type 92295A (empty) toner cartridge	1	each	
91-15-162	3	3.5" disks	2	each	attached screening form
		5.5" floppies	5	each	
		Bernoulli 44 MB disk	2	each	
		5.5" floppy disk	1	each	
91-21-183	na	Photomasks	14	each	attached screening form
		Photomasks	70	each	
		Mag tapes	6	each	
91-23-157	2	LaserJet printer cartridge	1	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
91-23-218	34	Mag tapes - sanitized	7	each	attached screening form
		Bernoulli disk - sanitized	1	each	
		HP LaserJet cartridge	1	each	
91-23-219	1	5.25" floppy disks - sanitized	3	each	attached screening form
		Bernoulli disks - sanitized	3	each	
91-23-232	5	Degaussed 3.5" disks	8	each	
		Degaussed 5.25" disks	37	each	
		Degaussed 8.25 x 11" disks	3	each	
		Degaussed 8" floppy disks	72	each	
		Degaussed 5.25" floppy disks	6	each	
91-23-233	1	Magnetic data cartridge - sanitized	1	each	
		3.5" disks - sanitized	2	each	
91-23-252	10	Used LaserJet (HP) toner cartridges	4	each	
		Degaussed Bernoulli floppies	32	each	
91-23-253	3	HP LaserJet toner cartridge	1	each	
91-23-254	3	HP 92295A EP-S printer toner cartridge (used)	1	each	
91-23-266	10	Floppy disks 8 x 8" - sanitized	43	each	attached screening form
		Bernoulli's - 5.25" - sanitized	5	each	
		Bernoulli's - 4 x 4" - sanitized	1	each	
		Bernoulli's - 8 x 11" - sanitized	3	each	
91-23-284	10	Depleted LaserJet printer cartridge	4	each	
91-24-105	1	Tektronix transfer roll (non-hazardous)	1	each	attached screening form
		Printer ribbon, nylon, for digital printer, model LP 27 (non-hazardous)	1	each	
91-25-269	50	Classified scrap	6	box	attached screening form
91-25-274	5	Detonator Safing Stronglink (DSSL) expended, non-hazardous	11	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
91-25-287	10	Bernoulli cartridge, 8"	1	each	
		Bernoulli cartridge, 5"	1	each	
		Copier toner cartridge	1	each	
91-28-193	15	LaserJet toner cartridges	5	each	
91-28-211	300	Magnetic media - degaussed, 4 boxes	97	each	
91-31-134	2	PC hard disk - degaussed	1	each	
91-31-135	2	PC hard disk controller card "plus" brand name	1	each	
91-31-136	3	Wheelwriter, 5 typewriter ribbon	2	each	
		Canon cartridges - used (3)	1	each	
		LaserJet toner cartridge	2	each	
91-31-144	10	Wheelwriter 5 correction ribbon	1	box	attached screening form
		Canon copier toner (empty) 2 boxes		above	
		LaserJet toner cartridge (empty)		above	
		Epson printer ribbon (used)		above	
91-31-153	27	Laser printer toner print cartridges	9	each	
91-31-179	200	Degaussed magnetic tapes (453)	22	box	
		Degaussed floppy disks (56)		above	
91-31-180	30	HP92295A toner cartridge	4	each	
		HP92285A toner cartridge	6	each	
		Wang 725-1304	2	each	
91-32-154	3	EP-S toner cartridge	1	each	
91-34-163	15	Large magnetic tape reels - degaussed	5	each	attached screening form
91-34-219	3	LaserJet II toner cartridge	1	each	
91-51-148	2	Used LaserJet cartridge	1	each	
91-51-199	3	LaserJet II cartridge	1	each	
91-51-207	3	LaserJet cartridge	1	each	
91-51-210	5	Hewlett Packard 92295A EP-S cartridges	5	each	
91-51-213	25	Laser printer toner print cartridges (used)	8	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
91-51-214	25	Bernoulli's	11	each	
		Tape reels	4	each	
		Microbernoulli's	4	each	
		Diskettes	4	each	
91-51-225	3	Toner cartridge	1	each	
91-51-228	3	LaserJet toner cartridge	1	each	
91-51-229	10	Bernoulli's	3	each	attached screening form
91-51-230	1	3.5 disk	1	each	
		44 MB Bernoulli disk	1	each	
91-51-232	1	Bernoulli disks, 5.25" 20 MB	4	each	
91-51-233	12	LaserJet toner cartridges	2	each	
		Canon PC cartridge for disposal	1	each	
		LaserJet toner cartridges	4	each	
91-51-234	1	5.25" floppy disk (degaussed)	1	each	
		Bernoulli disk (degaussed)	1	each	
91-51-248	1	8.5 x 11 Bernoulli 20 MB cartridges	2	each	
91-52-156	16	LaserJet printer cartridges	8	each	
91-53-103	258	Liner (A20097)	1	each	
		H1434 main stand	1	each	
		H1409 modified	1	each	
		W84 mock-452776	2	each	
		W84 mock-452777	2	each	
		W84 mock-452775	2	each	
W84 mock-452778	3	each			
91-64-178	3	Hewlett Packard 92295A EP-S cartridges	3	each	
91-64-202	20	Hewlett Packard 92295A EP-S cartridges	7	each	
91-72-126	2	LaserJet toner cartridge	1	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
91-72-149	20	MC3571	1	each	
		MC3571-TRB	1	each	
		MC3571-TRB	1	each	
		MC4149	1	each	
		MC4149	1	each	
		MC4149	1	each	
91-72-158	25	MC1161 cases	5	each	attached screening form
		MC1161 stainless steel (empty) containers P/N 186104	10	each	
		MC4061 (inert) empty container P/N 459711	1	each	
91-72-166	20	Toner cartridges for LaserJet	6	each	
91-72-170	3	LaserJet toner cartridges	7	each	
91-74-228	1	Ceramic feed thru	6	each	attached screening form
		MCCS	2	each	
91-84-172	142	T563154001 76 hardware	1	box	attached Storage Action 562751
91-91-151	4	LaserJet cartridge	2	each	
91-91-186	12	Printer cartridges	4	each	
91-91-193	1	Degaussed mag tapes	16	each	
91-92-124	6	EP-S cartridge (LaserJet)	2	each	
91-92-140	2	Hewlett Packard LaserJet II toner cartridge	1	each	
91-92-168	5	5.25" floppy disks - degaussed	17	each	
		3.5" disks - degaussed	5	each	
		5.25" disk - degaussed	1	each	
		Hewlett Packard LaserJet II toner cartridge	6	each	
91-92-191	15	Hewlett Packard LaserJet toner cartridges	5	each	
91-93-161	1	Hewlett Packard toner cartridge	1	each	
91-93-170	6	Bernoulli - degaussed	1	each	
		Bernoulli 5" - degaussed	1	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
91-95-102	1	Used Wang disk	6	each	
		Used PC disk	24	each	
92-03-110	1	LaserJet toner cartridge	1	each	
92-03-112	1	5.25" floppy diskette - sanitized magnetic media	1	each	
		44M Bernoulli diskette - sanitized magnetic media	1	each	
92-03-115	7	HP type 92295A (empty) toner cartridge	7	each	
92-03-130	1	Floppy diskettes	25	each	
92-03-132	na	LaserJet toner cartridge	1	each	
92-03-133	6	5.25" disk - Bernoulli, degaussed	2	each	
		8.5 x 11" disks - Bernoulli, degaussed	5	each	
		5.25" disk - degaussed	38	each	
92-03-136	6	HP type 92295A (empty) toner cartridge	6	each	
92-03-142	25	Toner cartridge	8	each	
92-03-146	4	LaserJet toner cartridge	1	each	
92-03-147	2	5.25" computer diskettes - sanitized	36	each	
92-03-148	3	LaserJet toner cartridge	1	each	
92-07-102	1	omega disk cartridges - sanitized	5	each	
92-12-106	4	LaserJet printer cartridges	3	each	
		Computer external hard disk - degaussed	1	each	
92-12-118	4	Computer hard disk	1	each	
92-12-135	5	LaserJet printer cartridges	1	each	
92-13-111	1	Kodak Ektaprint K toner used cartridges	1	box	
92-13-120	15	Obsolete phototooling	186	each	
		Photomasks	2	each	
		Integrated circuits	11	each	
92-13-122	2	Kodak Ektaprint K toner used cartridges	2	box	
92-14-113	1	Digital Compaq tapes - degaussed	2	each	
92-15-101	35	20-MB Bernoulli cartridges	17	each	
		44-MB Bernoulli cartridges	7	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
92-15-106	2	Magnetic CRV disc - degaussed	1	each	
		3.5 disc - degaussed	1	each	
92-15-116	2	Disk platters (magnetic)	2	each	
		Bernoulli's 11 x 8	4	each	
		3.5" floppy disks	2	each	
		5.25" floppy disks	3	each	
92-18-126	3	Magnetic media	3	each	
92-18-127	3	Empty toner cartridges	3	each	
92-19-136	1	Laser printer toner cartridges	2	each	
92-22-111	na	Large mag tape	14	each	
		Small mag tape	2	each	
		Large disk pack	1	each	
92-23-106	45	Mold, thermoset	1	each	
		MC4034 housing	26	each	
		MC4034 dielectric	118	each	
92-23-118	1	Used toner cartridge HP 92295A	1	each	
		Used toner cartridge Lanier 491-0182	1	each	
92-23-134	2	44 MB Bernoulli disk - degaussed	4	each	
92-23-135	2	Floppy disks - sanitized	7	each	
		Bernoulli disk - sanitized	1	each	
92-23-136	20	Capacitor discharge unit	1	each	
		Circuit board w/ transformer MC2588, MC2679	1	each	
		Blocks molded, material unknown	5	each	
		Copper and Mylar strips	3	each	
		2 copper, 3 aluminum spacers	5	each	
		Machined plates (metal stainless)	3	each	
		Machined assembly fixtures (metal stainless)	2	each	
		Covers (metal)	5	each	
		Support brackets	2	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
92-23-136 (Continued)	above	Capacitor simulator spacer only	1	each	
		Fire set, stainless steel	1	each	
92-23-137	2	Apple LaserWriter II EP-S toner cartridge	1	each	
92-23-162	2	Degaussed 44 MB Bernoulli	6	each	
92-23-167	3	3.5" floppy disks - sanitized	1	each	
		5.5" Bernoulli disks - sanitized	13	each	
92-23-168	5	5.5" floppy disk - sanitized	1	each	
		5.5" Bernoulli - sanitized	1	each	
		8 x 11" Bernoulli - sanitized	4	each	
		5.5" removable hard disk	2	each	
92-23-169	5	Depleted LaserJet printer cartridge	5	each	
92-23-172	2	HP 92295A LaserJet toner	2	each	
92-23-173	10	Tapes, degaussed	4	each	
		8" Bernoulli's, degaussed	8	each	
		5.25" Bernoulli's, degaussed	13	each	
		3.5" Bernoulli's, degaussed	4	each	
		Small tapes, degaussed	4	each	
		5.25" floppy disks, degaussed	24	each	
		3.5" floppy disks, degaussed	6	each	
		Small roll tape, degaussed	1	each	
92-23-174	1	HP LaserJet II toner cartridge	1	each	
92-23-189	15	Assorted ceramic substrates with deposited gold palladium and titanium coatings	asst	asst	
		Assorted glass slides (broken pieces)	asst	asst	
		Printed wiring brds	16	each	
92-23-193	na	Toner cartridge (HP) used	1	each	
		Toner cartridge Apple LAS II used	1	each	
92-23-194	na	HP LaserJet toner cartridge	1	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
92-23-206	8	Degaussed 5.25" disks	4	each	
		Degaussed Bernoulli disks	22	each	
		Printer toner cartridge	1	each	
92-23-207	1	Used toner cartridge HP 92295A	1	each	
92-24-101	2	Tektronix transfer roll (non-hazardous)	1	each	
92-24-145	3	Tektronix transfer roll	1	each	
		Digital printer ribbon	2	each	
		IBM typewriter ribbon	1	each	
92-24-174	2	Tektronix transfer roll	1	each	
		Digital printer ribbon	2	each	
92-25-108	3	Detonator, W87 Expended, non-hazardous	10	each	
		Detonator, W89 Expended, non-hazardous	10	each	
		Cable, W88 non-hazardous	3	each	
92-25-113	1	Floppy disk 5.25 x 5.25"	1	each	
92-25-123	2	Copier toner cartridge	1	each	
		LaserJet cartridge	1	each	
92-25-124	7	Bernoulli disks - degaussed	4	each	
		Floppy disks - degaussed	13	each	
		3.5 diskettes - degaussed	2	each	
92-25-125	50	316 L stainless steel mass mockups (MC4200)	6	each	
		MC4200 mass mockups (316L stainless steel, aluminum, and polyurethane foam)	7	each	
		MC4225 mass mockups (1018 steel)	14	each	
		MC4225 mass mockups (303 stainless steel)	2	each	
		Summagraphics digitizer pad	1	each	
92-25-127	3	Diskettes - degaussed	3	each	
92-25-143	1	HP II LaserJet cartridge	1	each	
92-25-161	1	3.5 diskette - degaussed	1	each	
		Floppy disks - degaussed	2	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
92-25-162	2	Used toner cartridges	2	each	
92-25-175	2	Disk packs - sanitized	2	each	
		Floppy diskette - sanitized	1	each	
		8" Bernoulli disk cartridges - sanitized	2	each	
92-25-176	5	Bernoulli disks 5.25 x 5.25 - degaussed	8	each	
		Toner cartridge	1	each	
92-25-193	1	Used toner cartridge	1	each	attached screening form
92-25-198	2	5.5" floppy disk - degaussed	1	each	
		Bernoulli cartridge - degaussed	1	each	
		Typewriter ribbon	1	each	
		Printer ribbon tape (loose)	1	each	
92-25-208	66	Test panel 1A MIDs 14512 to 14522, 14524 to 14534	22	each	
		Test panel - non functional MID 12466	1	each	
		Test panel - non functional MID 124674	1	each	
		Test panel - non functional Type 1A MIDs 14744 to 14769	26	each	
		Test panel - non functional Type 1A MIDs 12464	1	each	
92-25-210	5	MC2990 EBW detonator	3	each	
		MC3725 timer	10	each	
92-25-222	6	Used toner cartridges	2	each	
92-27-117	225	Computer tapes	111	each	
92-28-111	45	Magnetic media - degaussed, 2 boxes	43	each	
92-28-112	265	Magnetic tapes	100	each	
		Disk platters	50	each	
		Disk packs	18	each	
		TK70 cartridge tapes	6	each	
92-28-113	5	LaserJet toner cartridges, HP	5	each	
92-28-122	na	Magnetic media - degaussed, 2 boxes	50	each	
92-28-143	na	Bernoulli cartridges - degaussed	15	box	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
92-28-144	20	QMS developer units	3	each	
92-28-146	140	Magnetic media - degaussed, 7 boxes	206	each	
92-28-162	15	Toner cartridges	5	each	
92-28-173	10	Bernoulli cartridges - degaussed	1	each	
		Multi-system magnetic tapes	4	each	
92-28-174	3	Toner cartridge	1	each	
92-31-114	8	Canon copier toner (empty)	1	each	
		LaserJet toner cartridge (empty)	2	each	
		Wheelwriter ribbons	2	each	
		Wheelwriter correction ribbon	1	each	
		Epson ribbon (used)	4	each	
92-31-138	10	Toner cartridges	8	each	
92-31-139	4	Canon copier toner (empty)	2	each	
		LaserJet toner cartridge (empty)	2	each	
		Wheelwriter ribbons	2	each	
		Wheelwriter correction ribbon	1	each	
92-31-149	1	Hardcopy console printer ribbon	1	each	
92-31-150	8	Hardcard 20 Plus personal computer cards	2	each	
		Hardcard 20 plus disk platters	4	each	
		IBM PC hard disk drive	1	each	
		IBM PC hard disk	2	each	
92-31-164	15	Canon copier toner cartridge A30 (empty)	2	each	
		Hewlett Packard toner cartridge (empty)	2	each	
		Wheelwriter correction ribbon	1	each	
92-34-136	1	Bernoulli disk - sanitized	1	each	
92-34-144	5	Toner cartridges 1C26U	5	each	
		Toner cartridges RA1-7769-F-1	3	each	
		Printer ribbons 6775	3	each	
		Printer ribbons Okidata Dot-Matrix	8	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
92-34-150	8	RD53 hard disk drive - degaussed	1	each	
92-34-153	10	II toner cartridges, LaserJet II and Desk Jet Plus	1	each	
		Computer hard disk - degaussed	1	each	
		5.25" diskette - degaussed	1	each	
92-34-158	1	5.25" floppy disk - sanitized	1	each	
		3.5" disks	4	each	
		Bernoulli disk	1	each	
92-34-163	2	Depleted LaserJet printer cartridge	2	each	
92-34-169	3	Depleted Canon PC-7 copier cartridge	1	each	
92-34-174	6	Classic LaserJet cartridge (toner)	na	each	
		Desk Jet toner cartridge	na	each	
92-35-111	1	Bernoulli disk	1	each	
92-40-103	5	Canon cartridge A30	1	each	
		HP toner cartridge for printer	1	each	
92-40-104	4	Canon cartridge A30	1	each	
		HP toner cartridge for printer	1	each	
92-45-102	1	5.25" floppy disks - sanitized	3	each	
		3.5" floppy disks - sanitized	3	each	
92-50-104	10	MID 14775	1	each	
		MID 14776	1	each	
		MID 14777	1	each	
92-50-107	2	LaserJet printer cartridges	2	each	
92-51-102	1	LaserJet toner cartridges, non-hazardous	1	each	
92-51-108	1	Sub-straits chips	1	box	
92-51-109	2	Hewlett Packard 92295A EP-S cartridges	1	each	
92-51-111	3	LaserJet toner cartridges, non-hazardous	3	each	
92-51-114	14	Bernoulli's	7	each	
92-51-115	1	LaserJet printer cartridge	1	each	
92-51-133	1	LaserJet toner cartridge	2	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
92-51-134	1	Used Hewlett Packard EP-S cartridge	1	each	
92-51-138	3	Empty LaserJet printer toner cartridge	3	each	
92-51-139	2	Bernoulli cartridge disks - degaussed	16	each	
		Floppy disks - degaussed	4	each	
		Cartridge - degaussed	1	each	
92-51-148	5	Hewlett Packard cartridges	5	each	
92-51-152	na	Laser printer toner cartridge	1	each	
92-51-158	1	Bernoulli disks - degaussed	7	each	
		Floppy disks - degaussed	7	each	
92-51-159	1	Toner cartridge	1	each	
92-51-160	1	LaserJet printer cartridge	1	each	
92-51-162	1	5.25" floppy disk - degaussed	1	each	
		Bernoulli disk (5.25" - 20 MB) degaussed	1	each	
92-51-165	10	Plastic Vin model MID 5161/84/1001	1	each	
		Steel Vin model MID 5161/87/343	1	each	
		Detonator cable	2	each	
92-51-171	na	LaserJet toner cartridge	2	each	
92-51-177	3	HP LaserJet printer cartridge	1	each	
92-55-104	1	Cartridge for LaserJet printer	1	each	
92-55-105	2	Bernoulli disk 8 x 11" - sanitized	2	each	
92-55-106	na	Toner cartridges for LaserJet	8	each	
92-55-108	2	Cartridge, removable hard disk, 15 MB	1	each	
		Bernoulli 20 MB disk	2	each	
92-57-103	1	Hewlett Packard cartridges	1	each	
92-57-112	20	HP 92295A EP-S printer cartridge	7	each	
92-57-117	1	Data cart 45 MB removable hard disks	2	each	
92-57-118	9	HP 92295A EP-S printer cartridge	3	each	
92-58-101	15	Toner cartridges from LaserJet printers	5	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
92-59-105	10	Computer reels	3	each	
		Passport drive	1	each	
92-63-118	1	Used toner cartridges	2	each	
92-63-135	1	Bernoulli cartridge - sanitized	1	each	
92-64-111	10	5.25" diskettes	3	each	
		44 MB disk	1	each	
		20 MB disk	2	each	
92-64-142	6	Hewlett Packard EP-S printer cartridge 92295A	2	each	
		Digital printer cartridge	1	each	
92-65-101	5	Hewlett Packard EP-S printer cartridges	4	each	
92-66-113	1	Bernoulli cartridges - sanitized	3	each	
92-85-108	750	Toner cartridges - wooden box	300	each	
92-91-104	2	Degaussed hard drive	1	each	
		Degaussed magnetic disk	1	each	
92-91-105	20	Degaussed mag tapes	16	each	
92-91-109	5	Data cart 45 MB removable hard disks (damaged)	1	each	
		Photocopier cartridge	1	each	
92-91-113	1,000	Structural response unit 1 MID 11532	1	each	
		Structural response unit 2 MID 11533	1	each	
		Structural response unit 3 MID 11534	1	each	
		Structural response unit 4 MID 11535	1	each	
		Target assemblies, NNK, EARP MIDs 16057 to 16064	8	each	
		EARP AFT section MID 14576	1	each	
		Full scale SRV template MID 11833	1	each	
		NNK waste material	1	each	
92-91-114	3	HP toner cartridge	3	each	
92-91-115	156	Degaussed mag tapes	76	each	
92-91-125	1	Magnetic media destroyed - degaussed	8	each	
92-91-129	2	Toner cartridge	2	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
92-91-130	2	Magnetic media destroyed - degaussed	7	each	
92-91-134	400	Nosetip (solid) Mad 8690	1	each	
		Top 2 mass mockup AFT sec. MID 9187	1	each	
		Top 1 mass mockup FWD sec. MID 9188	1	each	
		Antenna cavity (1) ERIS MID 11371	1	each	
		Antenna cavity (2) ERIS MID 11372	1	each	
		Antenna cavity (3) ERIS MID 11373	1	each	
		MK-12 MID section ballast MID 11536	1	each	
		Plug sample parts MID 14150	1	each	
92-91-135	na	Used toner cartridge	1	each	
92-91-137	2	HP toner cartridge	2	each	
92-92-109	2	Hewlett Packard LaserJet II toner cartridge	1	each	
		ImageWriter ribbon	1	each	
92-92-119	1	Hewlett Packard LaserJet II toner cartridge	1	each	
92-92-127	3	3M VHS videocassette	3	each	
		3M master broadcast videocassette	5	each	
		Bernoulli disk cartridge	4	each	
		3.5" disks	7	each	
		5.25" disks	5	each	
92-92-132	1	Floppy disks - sanitized	2	each	
92-92-136	1	LaserJet printer toner cartridge	1	each	
92-92-141	1	Laser printer toner cartridge	1	each	
92-92-143	2	Hewlett Packard Jet toner cartridge	2	each	
92-92-150	2	Hewlett Packard LaserJet II toner cartridge	1	each	
		20 MB Bernoulli disk	1	each	
92-92-155	na	Hewlett Packard Jet toner cartridge	2	each	
92-92-158	3	Toner cartridge	1	each	
92-92-169	3	HP LaserJet toner cartridge	1	each	

Table B-5 (Continued)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
92-93-131	1	5.25" disks - degaussed	2	each	
		8 x 8" disks - degaussed	2	each	
		Bernoulli disk - degaussed	1	each	
92-93-132	1	3.5 floppy diskettes	2	each	
		5.25" diskette	1	each	
92-93-133	3	HP 92295A toner cartridge	1	each	
92-93-139	3	3.5 disk - degaussed	3	each	
		44 MB disk cartridge - degaussed	1	each	
		20 MB Bernoulli cartridge - degaussed	4	each	
92-95-111	4	LaserJet toner cartridge	4	each	
92-95-124	2	Degaussed floppy 5.25"	1	each	
		Degaussed Bernoulli cartridges	3	each	
		Degaussed floppies 8"	6	each	
92-95-138	2	LaserJet toner cartridge	2	each	
92-95-142	na	LaserJet toner cartridge - empty	2	each	
92-95-146	1	Bernoulli diskettes - sanitized	2	each	
92-95-151	2	Used LaserJet toner cartridge	1	each	
92-95-158	10	VCR tapes	14	each	
		Printer ribbon	1	each	
92-95-159	5	Degaussed Syquist disks	7	each	
		Degaussed magnetic reel tapes	7	each	
		Degaussed cassette tapes	9	each	
92-95-160	18	Reel to reel tapes - degaussed	25	each	
		Bernoulli's - degaussed	2	each	
		Floppy disks - degaussed	10	each	
		VCR tapes - sanitized	19	each	

Table B-5 (Concluded)
 Landfill Inventory for Batch #5, Burial Date 7/29/1992
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
MOVE ORDER 376728 ^a	na	Hopper	2	each	also in Batch #7
		Crate	4	each	
		Pallet	1	each	
		Crate	3	each	
MOVE ORDER 376729 ^a	na	Crates	5	each	also in Batch #7
		Crates	4	each	
		Crates	4	each	
		Pallet	2	each	
		Crates	2	each	
Shipper 045509	4	Ring of steel	1	each	attached to 89-81-131
Shipper 143683	142	T563154001 76 hardware	1	box	attached to 91-84-172
Shipper 182202	750	Toner cartridges - wooden box	300	each	attached to 92-85-108
Storage Action 562751	na	T563154001 76 hardware	1	box	attached to 91-84-172
Batch #5 Total Approximate Burial Weight = 9,000 lbs					

Note: Form #s are Delivery to Reclamation form numbers unless otherwise noted. The text in this table was entered as shown on the forms; therefore, some information may have multiple abbreviations and formats. Unless otherwise noted, weights are assumed to be representative of all items listed on the form.

^aReclamation Form or Move Order was found in multiple batches. See "Notes" column.

na = Not available.

Table B-6
 Landfill Inventory for Batch #6, Burial Date 6/24/1993
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
89-23-168 ^a	100	MK12A Waveguide load (2 pieces)	1	each	also in Batch #4
		MK12A adapter	1	each	
		MK12A section	1	each	
		MK12A Z simulator w/ ring	1	each	
		ABRV-3 mock-up section	1	each	
		Nose antenna	1	each	
		Nose	1	each	
90-51-230 ^a	125	Samples, test panels (bag)	124	each	also in Batch #3 & Batch #4
		Assemblies, liner, cable, groove (box)	35	each	
90-91-150	20	Ablation test sample #1, MID 6450	1	each	
		Ablation test sample #3, MID 6452	1	each	
		Ablation test sample #4, MID 6453	1	each	
		AEDC NT test model MID 9643	1	each	
		AEDC NT test model MID 9644	1	each	
		AEDC NT test model MID 9645	1	each	
		AEDC NT test model MID 9646	1	each	
		AEDC NT test model MID 9647	1	each	
		AEDC NT test model MID 9648	1	each	
		AEDC NT test model MID 9649	1	each	
		AEDC NT test model MID 9650	1	each	
		AEDC NT test model MID 9661	1	each	
		AEDC NT test model MID 9662	1	each	
		AEDC NT test model MID 9663	1	each	
		AEDC NT test model MID 9664	1	each	
		Graphite plates MID 5311	3	each	
Round graphite plates MID 5312	4	each			
Graphite clips MID 5313	3	each			
Graphite clips MID 5314	5	each			

Table B-6 (Continued)
 Landfill Inventory for Batch #6, Burial Date 6/24/1993
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-91-150 (Continued)	above	HS 20 flat specimen molded MID 5887	1	each	
		HS 20 flat specimen molded MID 5888	1	each	
		HS 20 flat specimen molded MID 5889	1	each	
		HS 20 flat specimen molded MID 5890	1	each	
		HS 12 flat specimen MID 5891	1	each	
		HS 12 flat specimen MID 5892	1	each	
		HS 13 flat specimen MID 5893	1	each	
		HS 13 flat specimen MID 5894	1	each	
		HS 15 flat specimen MID 5895	1	each	
		HS 15 flat specimen MID 5896	1	each	
		HS 16 flat specimen MID 5897	1	each	
		HS 16 flat specimen MID 5898	1	each	
		HS 18 flat specimen MID 5899	1	each	
		HS 18 flat specimen MID 5900	1	each	
		HS 19 flat specimen MID 5901	1	each	
		HS 19 flat specimen MID 5902	1	each	
		HS 21 flat specimen MID 5903	1	each	
		HS 21 flat specimen MID 5904	1	each	
		HS 22 flat specimen MID 5905	1	each	
		HS 22 flat specimen MID 5906	1	each	
		HS 22 flat specimen MID 5907	1	each	
		HS 27 flat specimen MID 5908	1	each	
		HS 27 flat specimen MID 5909	1	each	
		HS 28 flat specimen MID 5910	1	each	
		HS 28 flat specimen MID 5911	1	each	
		Ablation test model NTA-B-3 MID 5548	1	each	
		Ablation test model NTA-B-4 MID 5549	1	each	
		Ablation test model NTA-B-1 MID 5546	1	each	
Ablation test model NTA-B-2 MID 5547	1	each			

Table B-6 (Continued)
 Landfill Inventory for Batch #6, Burial Date 6/24/1993
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-91-150 (Continued)	above	Ablation test model NTA-B-6 MID 5551	1	each	
		HS 11 flat specimen molded MID 5565	1	each	
		HS 11 flat specimen mach. MID 5567	1	each	
		HS 11 flat specimen mach. MID 5568	1	each	
		HS 14 flat specimen MID 5569	1	each	
		HS 14 flat specimen MID 5570	1	each	
		HS 14 flat specimen mach. MID 5571	1	each	
		HS 14 flat specimen mach. MID 5572	1	each	
		Ablation test sample #3 for 5599 MID 5931	1	each	
		STV-2 Rec'd NT Ablation test sample #1 MID 5932	1	each	
		STV-2 Rec'd NT Ablation test sample #1 MID 5935	1	each	
		STV-2 Rec'd NT Ablation test sample #1 MID 5936	1	each	
		STV-2 Rec'd NT Ablation test sample #1 MID 5937	1	each	
		Ablation test spec. #3 2"D SSN-21 MID 5939	1	each	
		Ablation test sample #2 for 5559 MID 5930	1	each	
		Mini nose tip MID 6342	1	each	
		Ablation test model MID 5550	1	each	
HS11 flat specimen MID 5566	1	each			
92-23-223	15	DARF radar prototype MID 00168	1	each	attached screening form
93-98-103	30	CMP channel test models MIDs 6856 to 6880, MIDs 7301 to 7319	44	each	
MOVE ORDER 418856 ^a	592	Crate diskettes/test model/weapon units (pieces of steel and aluminum) phenol cork	1	each	also in Batch #7
MOVE ORDER 418857 ^a	8,497	Crate toner cartridge	4	each	also in Batch #7
		Disk pack	31	each	
		Hopper Bernoulli	1	each	
MOVE ORDER 418858 ^a	1,852	Pallet/tapes	1	each	also in Batch #7
Batch #6 Total Approximate Burial Weight = 10,941 lbs					

Table B-6 (Concluded)
Landfill Inventory for Batch #6, Burial Date 6/24/1993
Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Note: Form #s are Delivery to Reclamation form numbers unless otherwise noted. The text in this table was entered as shown on the forms; therefore, some information may have multiple abbreviations and formats. Unless otherwise noted, weights are assumed to be representative of all items listed on the form.

^aReclamation Form or Move Order was found in multiple batches. See "Notes" column.

Table B-7
 Landfill Inventory for Batch #7, Burial Date 11/19/1993
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
90-31-131	1	LaserJet toner cartridge	1	each	
92-14-125	10	Degaussed disk platters	24	each	
92-15-117	4	Disk platters - magnetic, sanitized	6	each	
92-41-102	5	Magnetic tapes	2	each	
92-41-104	2	Tektronix 4-color transfer rolls	4	each	
92-41-105	6	Magnetic tapes	4	each	
92-51-187	15	Calibration fixture MID 5152-86-3163	1	each	
92-52-104	12	LaserJet cartridge	4	each	
92-74-109	2	Bernoulli disk - sanitized	2	each	
		3.5" disk	1	each	
		2" confidential binders (empty)	11	each	
		3" confidential binder (empty)	1	each	
93-01-104	1	3.5" diskettes	3	each	
		5.25" diskettes	2	each	
93-03-110	3	LaserJet toner cartridge	1	each	
93-03-104	6	LaserJet toner cartridge	2	each	
93-03-116	6	LaserJet toner cartridge	2	each	
93-03-125	6	LaserJet toner cartridge	2	each	
93-12-112	50	Magnetic tapes - sanitized	2	each	
		Disk pack - sanitized	1	each	
		Platters - sanitized	8	each	
93-13-154	10	Magnetic tapes	2	each	
93-12-121	3	Toner cartridges	1	each	
93-15-106	6	Bernoulli cartridges - sanitized	2	each	
93-15-108	1	3.5 floppy disks - sanitized	3	each	
		5.25" floppy disks - sanitized	2	each	
		Magnetic tapes - sanitized	2	each	
93-15-112	300	9 track tapes - sanitized	204	each	
		8 mm tapes - sanitized	8	each	

Table B-7 (Continued)
 Landfill Inventory for Batch #7, Burial Date 11/19/1993
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
93-15-112 (Continued)	above	Disc patterns - sanitized	30	each	
		8.5" floppies - sanitized	68	each	
93-15-115	1	Thermal transfer rolls	2	each	
93-18-101	2	Omega high capacity flexible disk cartridge 8", 10/1035 MB	1	each	
93-18-135	6	Bernoulli flexible disk cartridge - degaussed	2	each	
93-18-155	1	Bridged headers MC2990	9	each	
93-22-126	40	Magnetic tapes	52	each	
		Floppy disk	1	each	
93-22-135	80	Removable disk packs	2	each	
		Disk platters	12	each	
		Disk drives 5.25"	5	each	
93-22-145	2	Private tapes, dtd	2	each	
93-22-154	20	5.25 diskette - degaussed	1	each	
		3.5 diskettes - degaussed	3	each	
		8" floppy diskettes - degaussed	6	each	
		8" 20 MB Bernoulli tapes - degaussed	2	each	
		Printer toner cartridges (used)	1	each	
		Printer toner cartridges (new)	1	each	
93-23-101	6	HP 92295A LaserJet toner	2	each	
93-23-114	6	Classified toner cartridge	2	each	
93-23-128	10	Hard disk platters, 14"	11	each	
		Hard disk platters, 10.5"	12	each	
		Hard disk platters, 8"	4	each	
		Hard disk platters, 5"	55	each	
		Disks	2	each	
93-23-135	9	Toner, used	3	box	
93-23-141	6	Printer toner cartridge	2	each	
93-23-152	6	Printer toner cartridge	2	each	
93-23-157	10	Printer cartridge, toner used	3	each	

Table B-7 (Continued)
 Landfill Inventory for Batch #7, Burial Date 11/19/1993
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
93-23-175	6	Toner cartridges	2	each	
93-23-180	9	Printer toner cartridges	3	each	
93-25-141	9	Used toner cartridges	3	each	
93-25-146	9	A30 Canon cartridge	2	each	
		92295A toner cartridge	1	each	
93-25-158	2	Neutron generator mock ups	6	each	
		MC3115 timer/drivers	6	each	
93-25-164	20	Used toner cartridge, Canon A-30	2	each	
		Used toner cartridge, HP92295A	3	each	
93-26-107	15	Toner cartridges	5	each	
93-26-116	15	MC1107 inertial switches for W44	8	each	attached screening form
93-26-126	3	Toner cartridge	1	each	
93-28-107	356	9-track magnetic tapes - degaussed	178	each	
93-28-109	50	Magnetic tapes - degaussed	61	each	
		Disk platters - degaussed	49	each	
93-28-112	300	Magnetic disk platters, 14" - degaussed	967	each	
		Magnetic disk platters, 5 1/8" - degaussed	66	each	
		Magnetic disk pack	1719	each	
93-28-116	2	Degaussed passport	1	each	
		Degaussed floppy	1	each	
93-28-130	1	Magnetic tape - degaussed	1	each	
93-28-131	9	Magnetic tapes - degaussed	3	each	
93-28-147	150	14" disk platters	64	each	
		5" disk platters	6	each	
		TK70 cartridge tapes	4	each	
		Computer hard drives (disks)	14	each	
		DEC power supply board	1	each	
93-28-148	200	Degaussed tape	5	box	

Table B-7 (Continued)
 Landfill Inventory for Batch #7, Burial Date 11/19/1993
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
93-40-101	9	Canon cartridge A30	1	each	
		HP toner cartridge, for printer	2	each	
93-40-102	9	Used Canon copier toner cartridge	1	each	
		Used HP LaserJet toner cartridge	2	each	
93-40-103	1	Cassette tape - sanitized	1	each	
93-41-105	22	Magnetic tapes	11	each	
93-51-101	5	Passport Plus 40 hard drive disks - degaussed	3	each	
		Omega 20 MB Bernoulli	1	each	
93-51-102	12	Toner cartridges	4	each	
93-51-111	3	HP LaserJet printer cartridge	1	each	
93-51-127	6	LaserJet printer cartridge	2	each	
93-51-128	3	Videocassette - degaussed	4	each	
		Disk cartridge - degaussed	2	each	
		Audio tape reel - degaussed	2	each	
93-51-129	12	Canon copier PC-7 toner cartridge	3	each	
		HP toner cartridge	1	each	
93-51-130	30	Used printer cartridges	10	each	
93-51-153	3	LaserJet printer cartridge	1	each	
93-51-154	3	Used toner cartridge (H/P 92295A)	1	each	
93-51-157	3,400	Wood fixture (MID 5152-86-1072)	1	each	
		W88 assy stand	1	each	
		W88 container	1	each	
93-51-162	33	Canon copier PC-7 toner cartridge	4	each	
		HP toner cartridge	7	each	
93-51-171	35	HP92295A empty toner cartridges for HP LaserJet printers	7	each	
93-51-178	3	LaserJet printer cartridge	1	each	
93-51-179	5	W85 spacer and support	1	each	
		W85 spacer and support	1	each	
93-55-105	15	Toner cartridges for LaserJet	5	each	

Table B-7 (Continued)
 Landfill Inventory for Batch #7, Burial Date 11/19/1993
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
93-55-108	150	Floppy disk, 5" - sanitized	2	each	
		Diskette, 3.5" - sanitized	3	each	
		Bernoulli 44 MB disk - sanitized	2	each	
		Bernoulli 20 MB disk - sanitized	4	each	
		Videocassette, VHS- sanitized	1	each	
		Bernoulli 8", 20 MB disk - sanitized	1	each	
93-57-101	45	HP LaserJet toner cartridge	15	each	
93-57-106	9	Toner cartridge	3	each	
93-57-122	12	Used EP toner cartridges (LaserJet)	4	each	
93-57-124	24	HP LaserJet toner cartridge	8	each	
93-57-131	9	Used EP cartridges	3	each	
93-57-143	12	Printer toner cartridges	4	each	
93-57-149	30	HP LaserJet toner cartridge	10	each	
93-57-150	1	IBM rigid removable disk cartridge - degaussed	1	each	
93-59-119	18	Toner cartridges for printers	6	each	
93-59-120	3	HP LaserJet toner cartridge	1	each	
93-59-123	6	Classified toner cartridge	2	each	
93-59-125	3	Used HP toner cartridges	1	each	
93-59-128	20	Toner cartridges for printer and copier	6	each	
93-59-137	9	Printer toner cartridges	2	each	
93-63-115	30	9 track magnetic tapes - degaussed	3	box	
93-64-111	5	Bernoulli's - degaussed	12	each	
93-65-113	6	Hewlett Packard EP-S printer cartridges/ 92295A	2	each	
93-66-101	3	Used toner cartridge	1	each	
93-66-105	3	Copier cartridge	1	each	
93-66-111	1	Tape cartridges	2	each	
93-66-114	4	Diskette	1	each	
		Toner cartridge	1	each	

Table B-7 (Continued)
 Landfill Inventory for Batch #7, Burial Date 11/19/1993
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
93-66-121	1	Bernoulli cartridges	3	each	
93-71-109	18	Wheelwriter typewriter ribbons	2	each	
		Canon copier toner cartridge (used)	2	each	
		Hewlett Packard printer toner cartridge (empty)	2	each	
93-71-118	6	Hewlett Packard printer toner cartridge (used)	2	each	
		Circuit breaker extension cord (not ES& H approved)	1	each	crossed off
93-71-124	250	IBM 3380 magnetic disk platters - sanitized	99	each	
93-71-131	3	Hewlett Packard printer toner cartridge (used)	1	each	
		Ribbon	1	each	
93-73-104	500	Degaussed magnetic tape	23	box	
93-73-113	5,000	Tapes, magnetic (round)	9300	each	
		Disk pack, RL02K	6	each	
		Disk pack, 4439	3	each	
		Disk pack, 877 CDC	1	each	
		Disk pack, RA60P	8	each	
		HDA assy, disk	37	each	
		Floppy diskettes - degaussed	100	each	
		Cartridge, magnetic (square) - degaussed	130	each	
		Cartridge, magnetic (round) - degaussed	15	each	
		Platters, magnetic (large) HDA	250	each	
		Platters, magnetic (small) HDA	200	each	
93-73-114	30	LaserJet II toner cartridge	9	each	
93-73-122	400	Degaussed magnetic tape	22	box	
		Disks	7	each	
93-73-124	700	Degaussed magnetic tape	266	each	
		Floppy disc - degaussed	257	each	
		Videocassette - degaussed	17	each	
		Disc packs - degaussed	10	each	
		Diskette - degaussed	244	each	

Table B-7 (Continued)
 Landfill Inventory for Batch #7, Burial Date 11/19/1993
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
93-73-124 (Continued)	above	Cassettes (cartridges) - degaussed	90	each	
		HDA disk platters - degaussed	15	each	
93-73-125	3	Used Bernoulli cartridges	3	each	
93-73-133	300	Floppy disk - degaussed	1	each	
		Cassette - degaussed	1	each	
		Disk drive - degaussed	2	each	
		Magnetic tapes - degaussed	299	each	
		Cartridges - degaussed	2	each	
93-73-136	500	Magnetic tapes - degaussed	371	each	
93-73-141	1,000	Magnetic tapes - degaussed	440	each	
		Platters - degaussed	45	each	
		Cassettes - degaussed	5	each	
		Floppy - degaussed	4	each	
93-73-142	1,500	Magnetic tapes - degaussed	737	each	
		Disc packs - degaussed	2	each	
		Cassette - degaussed	1	each	
		Floppies - degaussed	19	each	
		Disk, hard - degaussed	4	each	
93-73-143	4,600	Magnetic tapes - degaussed	540	each	
93-73-146	1,500	Magnetic tapes - degaussed	746	each	
		Mag tape - degaussed	38	each	
		Cartridge - degaussed	1	each	
		Hard floppy - degaussed	2	each	
		Disk drive - degaussed	1	each	
93-73-148	1,500	Magnetic tapes - degaussed	42	box	
93-73-149	150	Magnetic tapes - degaussed	na	each	
		Diskettes - degaussed	30	each	
		Floppies - degaussed	34	each	

Table B-7 (Continued)
 Landfill Inventory for Batch #7, Burial Date 11/19/1993
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
93-73-150	500	Magnetic tape - degaussed	43	box	
		Disk packs - degaussed			
93-73-153	120	Magnetic tapes - degaussed	66	box	
93-73-157	9	Magnetic tapes - degaussed	50	box	
93-74-103	6	Depleted Canon PC-7 copier cartridge	2	each	
93-74-109	3	Toner cartridge for LaserJet printer	1	each	
93-74-117	6	LaserJet toner cartridge	2	each	
	102	GRC ribbon	1	each	
93-74-127	na	LaserJet toner cartridge	2	each	
		GRC ribbon	1	each	
		Magnetic tapes	47	each	
		lomega 20 cartridges	31	each	
93-74-128	3	Canon G-5 toner cartridge (used/empty)	1	each	
93-74-131	5	20 MB cartridges (lomega) - degaussed	2	each	
		5.25" diskette (3M) - degaussed	1	each	
93-74-139	3	Printer toner cartridge (empty) Canon G-5	1	each	
93-80-101	400	Miscellaneous hardware	1	drum	
93-85-111	642	Toner cartridges	1	lot	attached Health Physics Survey
93-91-110	5	Magnetic tapes (large discs) - sanitized	22	each	
93-91-111	15	Disk platters - sanitized	8	each	
		3M data cartridges - sanitized	28	each	
		44 MB disk cartridges - sanitized	3	each	
		90 MB disk cartridges - sanitized	1	each	
		Rewritable optical disk cartridges - sanitized	1	each	
		20 MB disk cartridge - sanitized	1	each	
93-92-116	3	Toner cartridge	1	each	
93-92-130	3	LaserJet II Hewlett Packard used toner cartridge	1	each	
93-92-157	3	Toner cartridge	1	each	

Table B-7 (Continued)
 Landfill Inventory for Batch #7, Burial Date 11/19/1993
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
93-92-170	3	Toner cartridge	1	each	
93-93-103	15	LaserJet toner cartridge, HP 92295A	3	each	
		LaserJet toner cartridge, HP 92295A	2	each	
93-93-130	20	Canon cartridge A30 toner	2	each	
		HP EP-S cartridge toner	3	each	
		HP92295A toner cartridge	1	each	
93-95-113	3	Cartridge/toner	1	each	
93-95-123	6	Cartridge/toner	2	each	
93-96-103	6	Toner cartridges	2	each	
93-98-102	6	Apple LaserWriter II toner cartridge	2	each	
93-98-106	3	Toner cartridge	1	each	
93-98-110	12	HP toner cartridge	2	each	
		Apple toner cartridge	2	each	
		Bernoulli disks - degaussed	2	each	
93-98-111	6	Apple LaserWriter II toner cartridge	2	each	
93-98-112	9	HP 92295A toner cartridge	1	each	
		M6002 Apple Laser Writer II EP-S toner	2	each	
93-98-115	3	Apple LaserWriter II toner cartridge	1	each	
94-23-102	3	Depleted LaserJet printer cartridge (Hewlett Packard)	1	each	
94-023-103	6	HP 92295A LaserJet toner cartridge	2	each	
94-24-103	5	Disk drive	1	each	
94-026-102	15	Disk - degaussed	3	each	
94-026-103	1	213 MB hard drive	1	each	
94-28-103	300	Magnetic tapes (reels)	8	box	
94-028-106	30	Mag tapes - degaussed	8	box	
94-028-110	30	RA60P, digital - degaussed	3	each	
		Disk, system ind. - degaussed	2	each	
		Disk, FUJITSU - degaussed	2	each	
		RA81, digital - degaussed	2	each	

Table B-7 (Continued)
 Landfill Inventory for Batch #7, Burial Date 11/19/1993
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
94-028-110 (Continued)	above	Magnetic tapes - degaussed	3	each	
		Toner cartridge	1	each	
94-051-105	9	Canon copier PC-7 toner cartridge	3	each	
94-55-101	8	Videotapes and disks - degaussed	3	bag	
94-057-104	3	Toner cartridge	1	each	
94-059-102	3	Used HP toner cartridge	1	each	
94-059-103	200	Magnetic tapes - degaussed	130	each	
94-059-106	6	Toner cartridges for printers	2	each	
94-073-103	2,500	Magnetic tapes - degaussed	33	box	
94-074-103	6	Used printer cartridges	2	each	
94-074-104	35	Empty toner cartridge	1	each	
		Magnetic tapes - degaussed	16	each	
94-092-105	15	LaserJet toner cartridges	5	each	
94-092-111	60	Degaussed SRD Drives	3	each	
94-95-102	6	LaserJet toner cartridge	2	each	
94-98-101	9	EP-S toner cartridge for LaserJet	1	each	
		Apple LaserWriter II toner cartridge	1	each	
		Hewlett Packard toner cartridge	1	each	
94-098-104	1,000	MID 0558 conical shape	1	each	
		MID 1765 STREP lifting fixture	1	each	
		MID 1766 ODTP conical shape	1	each	
		MID 3303 H/S EPN048798	1	each	
		MID 4913 full scale hydroclave cone #1	1	each	
		MID 5043 tolling conical part #1	1	each	
		MID 17759 HTK S3 heat shield scrap material	1	each	
		CMID 001 LBRV R/section #1	1	each	
		CMID 002 LBRV section #2	1	each	
CMID 003 LBRV M/section	1	each			
94-103-101	3,000	Magnetic tapes, floppies, diskettes - degaussed	45	box	

Table B-7 (Continued)
 Landfill Inventory for Batch #7, Burial Date 11/19/1993
 Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Form #	Weight (lbs)	Material	Quantity	Units	Notes
94-103-105	1,200	Magnetic tapes - degaussed	94	each	
		Hard disks, floppies - degaussed	2	each	
94-123-101	3	LaserJet toner cartridges	1	each	
MOVE ORDER 376186 ^a	na	Crates, tapes, units	7	each	also in Batch #4
		Hoppers, chips, tapes, units	2	each	
		Pallets, tapes classified media	6	each	
MOVE ORDER 376728 ^a	na	Hopper	2	each	also in Batch #5
		Crate	4	each	
		Pallet	1	each	
		Crate	3	each	
MOVE ORDER 376729 ^a	na	Crates	5	each	also in Batch #5
		Crates	4	each	
		Crates	4	each	
		Pallet	2	each	
		Crates	2	each	
MOVE ORDER 418856 ^a	592	Crate diskettes/test model/weapon units (pieces of steel and aluminum) phenolic cork	1	each	also in Batch #6
MOVE ORDER 418857 ^a	8,497	Crate toner cartridge	4	each	also in Batch #6
		Disk pack	31	each	
		Hopper Bernoulli	1	each	
MOVE ORDER 418858 ^a	1,852	Pallet/tapes	1	each	also in Batch #6
MOVE ORDER 429484	259,897	Hoppers - magnetic tapes	7	each	
		Pallets - magnetic tapes	12	each	
		Crates - phenolic material, tapes, cartridges, and molded plastic parts	3	each	
Shipper 66109	266	Miscellaneous hardware, no hazards	1	drum	attached to 93-80-101
Shipper 65864	642	Toner cartridges, no hazards	1	lot	attached to 93-85-111
Batch #7 Total Approximate Burial Weight = 259,897 lbs					

Table B-7 (Concluded)
Landfill Inventory for Batch #7, Burial Date 11/19/1993
Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Note: Form #s are Delivery to Reclamation form numbers unless otherwise noted. The text in this table was entered as shown on the forms; therefore, some information may have multiple abbreviations and formats. Unless otherwise noted, weights are assumed to be representative of all items listed on the form.

^aReclamation Form or Move Order was found in multiple batches. See "Notes" column.

na = Not available.

**SITE-SPECIFIC
HEALTH AND SAFETY PLAN**
*Technical Area III Classified Waste Landfill
Sandia National Laboratories/New Mexico*

Final—July 2008

Prepared by:
Environmental Programs and Assurance
Sandia National Laboratories/New Mexico
Albuquerque, New Mexico 87185-0908

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Sandia National Laboratories, Albuquerque, New Mexico

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Table of Contents

List of Figures	ii
List of Tables	ii
Acronyms and Abbreviations	iv
1.0 Introduction	1-1
1.1 Project Description	1-1
1.2 Current Conditions	1-5
2.0 Scope of Work	2-1
2.1 Work Areas	2-1
2.2 Task Descriptions	2-1
2.3 Excavation and Trenching Safety	2-1
2.4 Removal	2-3
2.5 Disassembly and Sanitization Operation for Classified Items	2-4
2.6 Management	2-4
2.7 PPE and Personnel Monitoring Requirements	2-4
2.8 Staffing	2-4
3.0 Project Hazards	3-1
3.1 Physical Hazards	3-1
3.2 Chemical and Hazards	3-1
3.3 Radiological Hazards	3-4
3.4 Biological Hazards	3-4
4.0 Personal Protective Clothing	4-1
4.1 Upgrading PPE	4-1
4.2 PPE Failure	4-1
4.3 PPE Removal and Disposal	4-1
5.0 Monitoring	5-1
5.1 Aerosol Monitoring for Dust	5-1
5.2 Radiological Monitoring	5-2
5.3 Methane Monitoring	5-2
6.0 Hazard Control Measures	6-1
6.1 Site Security	6-1
6.2 Health and Safety Procedures	6-1
6.3 Changed Conditions	6-1
6.4 Communications	6-1
6.5 Permits	6-2
6.6 Dust Suppression	6-2
6.7 Vehicle Operations	6-3
6.8 Material Handling	6-3
6.9 Buddy System	6-3
6.10 Safety Meetings	6-4
6.11 Slips, Trips, Falls, and Lifting	6-4
6.12 Heavy Equipment	6-4
6.13 Sanitation	6-5

Table of Contents (continued)

6.14	Chemical and Radiological Hazards	6-5
6.15	Biological Hazards	6-5
6.16	Adverse Weather	6-5
6.17	Decontamination	6-6
6.17.1	Personnel Decontamination	6-6
6.17.2	Equipment Decontamination	6-6
6.18	Housekeeping	6-6
7.0	Emergencies	7-1
7.1	Medical Emergency	7-1
7.2	Work Site Evacuation	7-1
7.3	Early Notification	7-11
8.0	References	8-1

List of Figures

Figure 1-1	Location Map of the Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
Figure 7-1	Health and Safety Plan Hospital Route Map from Classified Waste Landfill to SNL/NM Medical Center
Figure 7-2	Health and Safety Plan Hospital Route Map from Classified Waste Landfill to UNM Hospital
Figure 7-3	Health and Safety Plan Hospital Route Map from Classified Waste Landfill to Presbyterian Occupational Medicine Clinic
Figure 7-4	Health and Safety Plan Evacuation Route Map from Classified Waste Landfill to Assembly Point

List of Tables

Table 2-1	Task Descriptions, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
Table 2-2	SNL/NM and Contractor Personnel Responsibilities and Training Requirements, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
Table 3-1	Physical Hazards, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
Table 3-2	Chemical Exposure Information, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
Table 4-1	Personal Protective Equipment Requirements, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

List of Tables (continued)

- Table 5-1 Monitoring Requirements, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
- Table 6-1 Hazard Control Permits, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
- Table 7-1 Emergency Contacts, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico
- Table 7-2 Early Notification, Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Acronyms and Abbreviations

COC	chemical of concern
ES&H	Environment, Safety, and Health
FWV	Field Work Variance
HASP	Health and Safety Plan
IC	Incident Command
ISMS	Integrated Safety Management System
JSA	job safety analysis
OSHA	Occupational Safety and Health Administration
PPE	personal protective equipment
SNL/NM	Sandia National Laboratories/New Mexico
SP 01065	Standard Specification Section 01065
SSHASP	Site-Specific Health and Safety Plan
TA	Technical Area
TGSM	tailgate safety meeting
yd ³	cubic yard(s)

1.0 Introduction

This Site-Specific Health and Safety Plan (SSHASP) defines the requirements of the health and safety program for excavation of the Technical Area (TA)-III Classified Waste Landfill at Sandia National Laboratories/New Mexico (SNL/NM). The SNL/NM Integrated Safety Management System (ISMS) will be incorporated into this project; ISMS includes definition of the scope of work; analysis and categorization of hazards; development and implementation of controls; performance of the work or task; and feedback and improvement. This SSHASP adheres to the Department of Energy (DOE) Worker Safety and Health Program in 10 Code of Federal Regulations (CFR) Part 851, incorporating the applicable federal Occupational Safety and Health Administration (OSHA) standards. In addition, the project will also comply with the State of New Mexico OSHA standards.

Job hazard safety evaluations for the planned tasks have been developed, and this SSHASP addresses the known and potential hazards associated with the TA-III Classified Waste Landfill excavation project scope. In the event that previously unknown contamination or hazards are identified, the SNL/NM Project Manager will be notified immediately, and work activities in that location will be halted, pending submission and approval of a Field Work Variance (FWV) addressing the new condition. The FWVs are subject to the same level of review and approval as the plan they modify.

All project personnel will review this SSHASP and adhere to its requirements, as well as the applicable provisions of the most current version of the SNL/NM *Standard Specification Section 01065 [SP 01065] Environment, Safety, and Health [ES&H] for Construction and Service Contracts* (SNL/NM, May 2008) provided in Appendix E of the Excavation Plan. Visitors will be briefed on this SSHASP, its governing documents, and current project conditions at the time of their visit. All personnel will acknowledge that they are familiar with the hazards to which they may be exposed and the appropriate control measures.

1.1 Project Description

The TA-III Classified Waste Landfill is located in the east-central quadrant of SNL/NM TA-III on Kirtland Air Force Base, New Mexico (Figure 1-1) in a secured site encompassing approximately 5 acres. A 6-foot-high, chain-link fence surrounds the landfill site. The TA-III Classified Waste Landfill is comprised of two north-south-oriented trenches, identified as Pits A and B, and a bermed surface depression oriented parallel to the southern fence boundary. No structures, equipment, or materials are present anywhere on the site surface. This SSHASP

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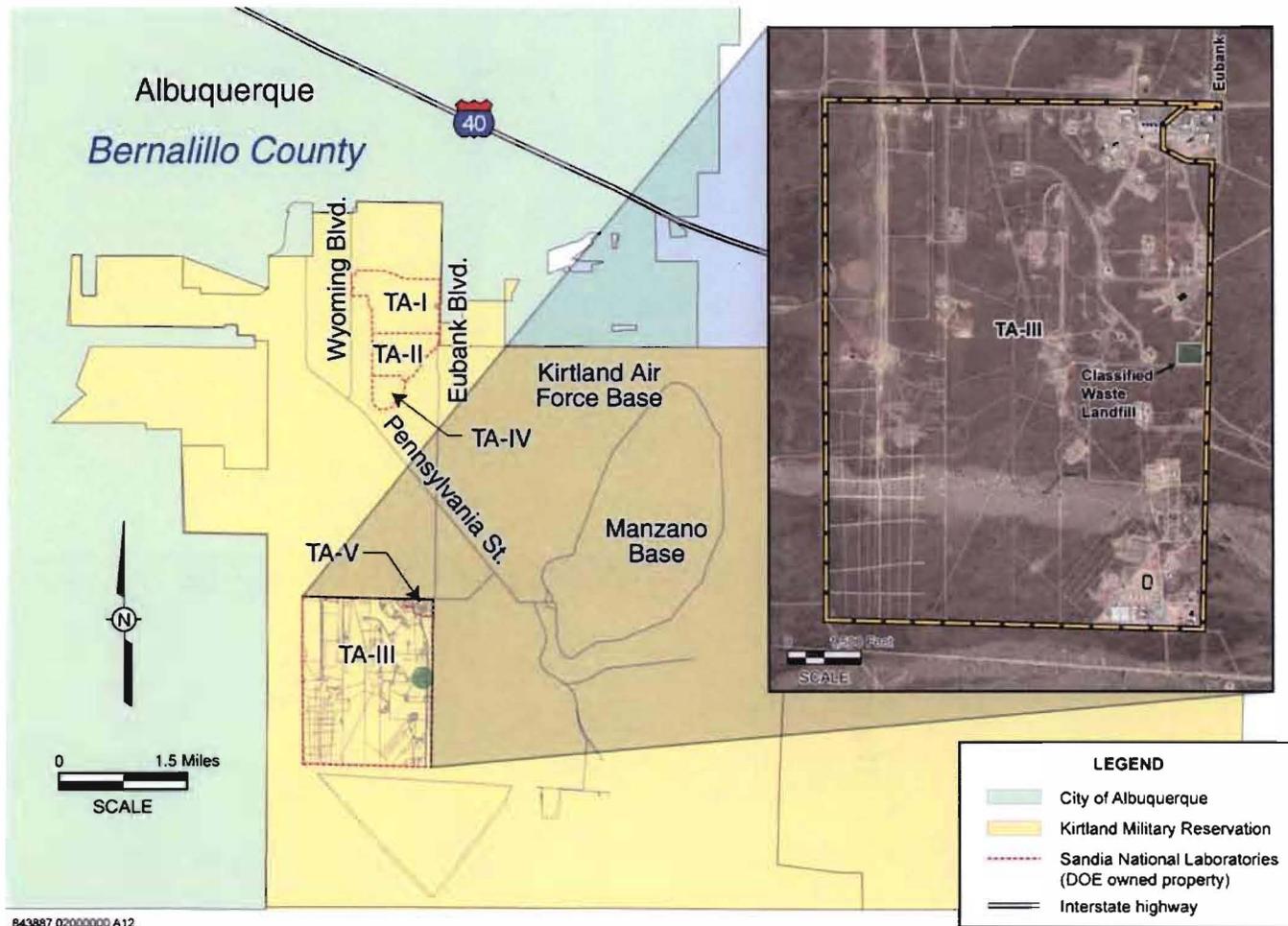


Figure 1-1
Location Map of the Technical Area III Classified Waste Landfill
Sandia National Laboratories, New Mexico

provides specific guidance for the excavation, segregation, and safe removal of the soil cover (an estimated 700 cubic yards [yd³]) and materials from the TA-III Classified Waste Landfill (an estimated 2,666 yd³). Removal will be performed. Different types of heavy equipment may be necessary to accomplish this task and may include excavators, front-end loaders, backhoes, forklifts, and cranes and/or boom trucks for larger, heavier items. As material is excavated, the material will be transferred to a prepared layout pad, spread to facilitate screening and to separate the items from the soil matrix. Exhumed items will be manually sorted and segregated.

1.2 Current Conditions

The site is currently operational but has not received any additional material since the Batch 7 placement in November of 1993. The site is inspected quarterly, which includes methane monitoring along the perimeter security fence (SNL/NM, March 2008). The TA-III Classified Waste Landfill is void of any surface structures, with the exception of steel pipe monuments in the cover of Pit A that extend 3 feet above the soil cover to locate the northern extent of each placement event. Pit B is open for approximately 130 feet and received no material. A shallow, bermed depression approximately 125 feet in length and 20 feet in width, with a depth of 1 to 1.5 feet is located along the southern fence boundary.

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2.0 Scope of Work

The objective of this project is the excavation of all material from the TA-III Classified Waste Landfill. Because of the classified nature of the items contained in the landfill, the material must be separated from the soil matrix and subsequently segregated from the solid waste. Where possible, classified materials will be disassembled and sanitized to render them as either solid waste or recyclable material. Those materials which cannot be disassembled and sanitized will be repackaged for storage as classified material. All activities will be performed with appropriate oversight and monitoring to ensure site worker protection. Monitoring will include air quality (including soil vapor and methane), radiological surveys, and visual observations of removed debris to prevent worker exposures during the excavation activities. Real-time aerosol monitoring is required to ensure that nuisance dust exposure limits as defined by this SSHASP are not exceeded. Following excavation and removal, the site will be restored to surrounding conditions.

2.1 Work Areas

Work activities will be conducted inside the landfill perimeter fence and immediately adjacent to Pits A and B within a secured area. Exclusion zones will be set up and maintained at Pit A and at all surrounding handling and storage areas.

2.2 Task Descriptions

Six major tasks are required for implementation of this project scope. The tasks, listed in Table 2-1, consist of preexcavation surveys, backfilling of Pit B, site mobilization activities, excavation, management of excavated material, and site restoration activities. The tasks to be performed will require the use of hand tools, heavy equipment, screens and shredders, and monitoring equipment. Some of these tasks will be performed in personal protective equipment (PPE). Precautions to mitigate hazards associated with the performance of these tasks are detailed in the chapters that follow.

2.3 Excavation and Trenching Safety

The SNL/NM Excavation Contractor will perform the excavation/trenching activities. An excavation permit will be obtained from SNL/NM personnel by the Excavation Contractor, and all work will be performed in accordance with the most current version of the SNL/NM ES&H Manual for SP 01065 (SNL/NM, May 2008) (Appendix E of the Excavation Plan) and the SNL/NM Excavation Contractor's Work Plan and Health and Safety Plan (HASP). The DOE's Worker Safety and Health Program in 10 CFR Part 851 incorporates 29 CFR Part 1926, Subpart P requirements for all aspects of excavation safety, which are discussed in this section.

**Table 2-1
Task Descriptions
Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico**

Task No.	Description	Level of Protection		Scheduled Start
		Primary	Contingency	
1	Preexcavation site surveys (geodetic, radiological, methane)	D modified	C	TBD
2	Backfilling Pit B	D modified	C	TBD
3	Site mobilization activities (grubbing, security installation, and construction of site enclosures, segregation areas, and support facilities)	D modified	C	TBD
4	Excavation and separation of landfill material (including mechanical or manual screening of waste/soil)	D modified	C	TBD
5	Management of excavated material			
5A	Sorting, segregating, packaging, and managing exhumed material into streams (classified items, recyclable materials, and solid waste)	D modified	C	TBD
5B	Repackaging of classified material for storage	D modified	C	TBD
5C	Storage and shipment of classified material to storage	D modified	C	TBD
5D	Disassembly and sanitization of classified material for recycling or solid waste generation (including torch-cutting, shredding, etc.)	D modified	C	TBD
5E	Storage and shipment of solid waste and recyclable materials to SNL/NM Solid Waste Transfer Facility	D modified	C	TBD
5F	Storage, sampling and analysis, and backfilling with residual soil that meets required criteria	D modified	C	TBD
6	Pit A backfilling and site restoration activities (grading, reseeding)	D modified	C	TBD

TBD = To be determined.

SNL/NM = Sandia National Laboratories/New Mexico.

Employees working in the excavation shall be protected from cave-ins by an adequate protective system such as shoring or sloping of the trench sidewalls designed in accordance with the DOE Worker Safety and Health Program in 10 CFR Part 851 which incorporates the OSHA regulation for Class C soils, except where the excavation is less than 5 feet in depth. A competent person shall ensure that protective systems, when required, are installed and maintained according to design specifications. Contractor personnel will enter the excavation only if necessary to remove

exposed items. Entry must be made in the presence of a supervisor trained as an Excavation Competent Person. The entry of personnel will also require the advisement and concurrence of the SNL/NM Excavation Contractor's competent person and the Site Safety Officer and Site Supervisor. The SNL/NM Excavation Contractor will provide its own excavation competent person and follow its HASP for entry of personnel. Ingress and egress shall be provided as required. Due to the inherent risks involved with entry into the excavation, all personnel entries into the excavation should be kept to a minimum and allowed only as a last resort.

2.4 Removal

Removal will be initiated by incrementally removing the existing soil cover, which is estimated to be approximately 3 feet in thickness and may consist of a total volume of 700 yd³. The soil will be removed and stockpiled on site as each cell is excavated. After receiving laboratory analytical results, soil that meets both the fill requirements and environmental requirements may be used in site restoration. While stockpiled and awaiting analytical results, the soil pile may be treated with a tackifier to prevent soil migration due to wind and other weather events.

As material is excavated from the trench, it will be transferred to a prepared layout pad and spread to facilitate screening. A radiological survey will be performed of the material to verify the absence of radiological contamination. Classified items, such as weapons components and computer parts will be removed from the layout pad. Larger items identified in the trench may be removed directly from the trench in which they are exposed.

After the initial removal using the layout pad, the remaining material (soil, smaller items, and debris) will be placed in a screen plant equipped to segregate soil from debris. A smaller, mobile, "grizzly" screen unit may also be used depending upon site conditions. Additional sorting will be performed to remove debris from cobbles that are segregated by the screen plant. The debris processed by the screen plant will then be sent to a sorting and segregation area.

Exhumed classified material will be rendered either classified or unclassified by the end of each work shift or temporarily stored and transported to a secure facility in accordance with SNL/NM security plans and procedures. Recyclable materials and solid waste will be placed into appropriate containers by the end of each work shift. Only the amount of material that can successfully be segregated and sorted during the normal work day will be removed from the excavation.

All removal will be conducted within a secure enclosure. As the material is incrementally removed, it will be screened to separate it from the soil matrix. Dust generated during this process will be controlled and monitored due to the potential for worker exposure to respirable dust. Post-screening handling and segregation of the material will be performed. This activity

will present a number of potential hazards to site workers. These hazards are discussed in detail in Chapter 3.0. Hazard Control Measures are discussed in Chapter 6.0.

2.5 Disassembly and Sanitization Operation for Classified Items

Some classified material/objects will need to be altered to either downsize or render the original shape unrecognizable so that the material can be recycled or disposed of as solid waste. Other material will need to go into a shredder to destroy classified information so that this material can be recycled or disposed of as solid waste. Each of these operations will involve unique hazards. Personnel will be exposed to heat and the potential for igniting both PPE and surrounding vegetation. Extreme caution and a properly posted fire watch will be necessary during all torch-cutting activities. Personnel supporting the shredding operation will need to be cognizant of the hazards involved with that particular operation and be cautious about the proximity of body parts to moving machinery.

2.6 Management

All material removed from the trench or during the screening process will be initially sorted and segregated into classified or unclassified items. Classified items may be disassembled to allow complete or partial recycling of weapons components and associated equipment. This effort may involve destructive means of disassembly that may require a hot work permit. Management will result in recycled metals, nonhazardous solid waste, and classified items that will require continued future storage.

2.7 PPE and Personnel Monitoring Requirements

Personnel handling exhumed materials will wear disposable Tyvek™ coveralls, Nitrile gloves, and leather work gloves. Continuous monitoring of the breathing zone of personnel removing and handling exhumed items will be performed to ensure that the provisions of this SSHASP are not violated and to upgrade PPE appropriately. Negative results at the potential source (sort and segregation area) will satisfy this requirement. All monitoring will be conducted by the Site Safety Officer or his designee. The SNL/NM Project Manager and Health and Safety Manager will be consulted for specific PPE upgrades if required. Monitoring results will be documented in the appropriate field log for monitoring results.

2.8 Staffing

Project staff includes SNL/NM personnel, the SNL/NM Excavation Contractor, and waste management personnel in complementary key roles to ensure safe execution of the planned work with appropriate oversight and independence. Key personnel, their responsibilities, and

minimum training requirements are presented in Table 2-2. Crew members assigned to perform intrusive work or work with potential exposure to hazardous materials shall have current 40-hour OSHA training. All project personnel will participate in a project kick-off meeting, health and safety briefing, and task-specific training as needed.

Table 2-2
SNL/NM and Contractor Personnel Responsibilities and Training Requirements
Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Name	Company	Responsibilities	Training
TBD	SNL/NM	Project Manager	40-hour OSHA
TBD	TBD	Technical Lead	40-hour OSHA, 8-hour Supervisor, First Aid/CPR,
TBD	TBD	Site Supervisor/ Site Safety Officer	40-hour OSHA, 8-hour Supervisor First Aid/CPR Excavation competent person
TBD	TBD	Equipment Operators	40-hour OSHA, First Aid/CPR
TBD	TBD	Waste Management Specialists	40-hour OSHA, First Aid/CPR
TBD	TBD	Technicians	40-hour OSHA, First Aid/CPR

- *CPR* = Cardiopulmonary resuscitation.
- OSHA* = Occupational Safety and Health Administration.
- SNL/NM* = Sandia National Laboratories/New Mexico.
- TBD* = To be determined.

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3.0 Project Hazards

Physical, chemical, radiological, and biological hazards may be encountered during the performance of the excavation, field screening, and management activities for this project. Known and anticipated hazards and the locations or sources have been identified for excavation of the TA-III Classified Waste Landfill.

3.1 Physical Hazards

Physical hazards to which workers may be exposed include heavy equipment, extremes of temperature, hot materials from torch-cutting operations, injuries from moving machinery parts (e.g., shredder) falling objects, noise, lifting, slipping, tripping, falling, and open excavations/trenches. Table 3-1 lists these hazards and their sources.

**Table 3-1
Physical Hazards
Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico**

Hazard	Source(s)
Cold stress	Work performed outside
Falling objects	Material falling from heavy equipment during excavation/staging activities
Heat stress	Personal protective equipment, work performed outside
Noise	Heavy equipment
Lifting	All excavation, staging, and screening activities
Slip, trip, fall	Uneven surfaces and exhumed debris
Open excavation/trenches	Material removal
Traffic	Heavy equipment
Struck by/against	Heavy equipment
Burns, cuts, heavy lifting	Torch-cutting activities during disassembly and sanitization of exhumed material
Cuts, Loss of limbs	Shredding operations

3.2 Chemical and Hazards

Based upon process knowledge and inventory records, the chemicals of concern (COCs) for this project are expected to be minimal. Potential COCs and their exposure information, including routes, symptoms, treatment, and limits, are presented in Table 3-2.

Table 3-2
Chemical Exposure Information
Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Substance [CAS]	IP (eV)	Odor Threshold (ppm)	Route ^a	Symptoms of Exposure	Treatment	TWA ^b	STEL ^c	Source ^d	IDLH (NIOSH) ^e
CH ₄ (Methane)	NK	NK	Inh Con (eye contact)	Rapid breathing, diminished mental alertness, impaired muscular coordination, faulty judgment, depression of all sensations, emotional instability, and fatigue	Move to fresh air maintain oxygen at >19.5%	NK	NK	MSDS	Not listed
CO	14.01	NK	Inh Con	Headache, tachypnea, nausea, lassitude (weakness, exhaustion), dizziness, confusion, hallucinations; cyanosis; depressed S-T segment of electrocardiogram, angina, syncope	Move to fresh air maintain oxygen at >19.5%	TWA 35 ppm (40 mg/m ³) C 200 ppm (229 mg/m ³)	TWA 50 ppm (55 mg/m ³)	NIOSH	1200 ppm
H ₂ S	10.46	10 ppm	Inh Con	Irritation eyes, respiratory system; apnea, coma, convulsions; conjunctivitis, eye pain, lacrimation (discharge of tears), photophobia (abnormal visual intolerance to light), corneal vesiculation; dizziness, headache, lassitude (weakness, exhaustion), irritability, insomnia; gastrointestinal disturbance; liquid: frostbite	Move to fresh air maintain oxygen at >19.5%	C 10 ppm (15 mg/m ³) [10-minute]	NK	NIOSH	100 ppm
Silica, crystalline (as respirable dust) Quartz & Cristobalite	NA	Odorless	Inh Con	Cough, dysp, wheez, decr. Pulm func, progressive resp, Silicosis irrt eyes Ca eyes and res sys	Eye: Irrigate immediately Breath: Fresh Air	.025 mg/m ³ Respirable	NA	NIOSH	25 mg/m ³

Table 3-2 (Continued)
Chemical Exposure Information
Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

^aRoute – *Inh, Inhalation; Ing, Ingestion; Con, Skin and/or eye contact; Abs, Skin absorption.*

^bThe TWA concentration for a normal workday (usually 8 or 10 hours) and a 40-hour workweek, to which nearly all workers may be repeatedly exposed, day after day, without adverse effect (NIOSH/OSHA).

^cA 15-minute TWA exposure that should not be exceeded at any time during a workday, even if the TWA is not exceeded.

^dSource: PEL (29 CFR 1910.1000, Table Z); TLV = ACGIH TLV – TWA.

^eRepresents the maximum concentration from which, in the event of respirator failure, one could escape within 30 minutes without a respirator and without experiencing any escape-impairing or irreversible health effects. (NIOSH Pocket Guide to Chemical Hazards, Pub. No. 2005-149, 2005).

ACGIH = American Conference of Governmental Industrial Hygienists.

Ca = Carcinogen.

CAS = Chemical Abstract System.

CFR = Code of Federal Regulations.

eV = Electron volts.

IDLH (NIOSH) = Immediately dangerous to life or health (NIOSH).

IP = Ionization Potential.

mg/m³ = Milligram(s) per cubic meter.

MSDS = Material Safety Data Sheet.

NA = Not applicable.

NIOSH = National Institute of Occupational Safety and Health.

NK = Not known.

OSHA = Occupational Safety and Health Administration.

PEL = OSHA Permissible Exposure Limit.

ppm = Parts per million.

STEL = Short-Term Exposure Limit.

TLV = Threshold Limit Value.

TWA = Time-Weighted Average.

References:

Guide to Occupational Exposure Values – 2003, Compiled by the American Conference of Governmental Industrial Hygienists.

Lewis, Richard J., Sr., 2000, Sax's Dangerous Properties of Industrial Materials, 9th ed., Van Nostrand Reinhold, New York.

Pocket Guide to Chemical Hazards, Pub. No. 2005-149, September 2005, National Institute for Occupational Safety and Health.

Workplace Environmental Exposure Levels, American Industrial Hygiene Association, 2001.

Odor Threshold for Chemicals with Established Occupational Health Standards, American Industrial Hygiene Association, 1989.

Incidental to the excavation of the material, silica dust may be generated. Exposure information for silica dust is also presented in Table 3-2.

3.3 *Radiological Hazards*

Based upon process knowledge and inventory records, no radioactive materials were accepted in the TAIM Classified Waste Landfill.

3.4 *Biological Hazards*

The potential exists for there to be a variety of biological vectors on or in the vicinity of the site. Primarily this will include rodents, snakes birds, and insects. This could also include nesting sites as well as carcasses and droppings from these animals. Personnel are strictly forbidden to disturb any wildlife encountered or their nests and droppings.

4.0 Personal Protective Clothing

All personnel will comply with the minimum PPE requirements specified in the most current version of SP 01065 (SNL/NM, May 2008) at all times while on the project site. These include a shirt with sleeves; pants that completely cover the legs; over-the-ankle, leather, safety-toe boots or shoes; and safety glasses with side shields. Hard hats are required for all outdoor activities, and high-visibility safety vests will be worn in the vicinity of moving traffic and heavy equipment. Leather work gloves are required for material handling and during sorting and segregation.

Table 4-1 identifies the specific PPE requirements for each planned task and subtask in addition to the minimum established requirements. Safety footwear, safety glasses, and hard hats must be in good condition and meet the appropriate American National Standards Institute standard.

4.1 Upgrading PPE

Initial and contingency PPE levels are based upon the known and expected hazards. Based upon field data, upgrades to the contingency level of protection may be made. If levels of protection above those listed in Table 4-1 are required, work scope changes, or field conditions are different than expected, work on the task will be suspended, and the SNL/NM Project Manager and Health and Safety Manager will be consulted for specific PPE upgrades.

4.2 PPE Failure

Torn or damaged PPE (i.e., gloves, Tyvek™ coveralls) will be replaced immediately. Personal clothing or skin contamination will be managed and reported in accordance with SNL/NM standard procedures.

4.3 PPE Removal and Disposal

Removal of PPE will take place at the designated exit point of the posted work area. The following steps provide general guidance for removing PPE:

- Check for visual contamination.
- Place any hand-carried equipment in the designated staging area.
- Remove hard hat (if worn) and put with hand-carried equipment.
- Remove boot covers.
- Remove outer gloves.
- Remove respirator (if worn).
- Remove inner gloves.

Modifications of these steps or additional steps may be required.

**Table 4-1
Personal Protective Equipment Requirements
Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico**

Primary		Contingency	
Task (1-6) - Level D Modified		Task (1-6) - Level C	
Required:	Head and Eye:	Required:	Head and Eye:
Long trousers and sleeved shirt	(X) Safety glasses with side shields	Long trousers and sleeved shirt	() Safety glasses with side shields
Safety boots/shoes	() Face shield	Safety boots/shoes	() Face shield
Hard hat	() Goggles	Hard hat	() Goggles
Modifications:		Modifications:	
	Gloves:		Gloves:
Protective Clothing:	(X) Work gloves	Protective Clothing:	() Work gloves
(X) Coveralls: Tyvek™	(X) Under gloves (specify)	(X) Coveralls: Tyvek™	(X) Under gloves (specify):
() Splash suit	Nitrile	() Splash suit	Nitrile
() Coated (specify)	() Other gloves (specify)	() Coated (specify):	surgical gloves
(X) Tyvek™ boot covers		(X) Tyvek™ boot covers	(X) Other gloves (specify):
() Plastic boot covers		() Plastic boot covers	11-mil Nitrile
		Respiratory Protection:	Other: Tape all seams
		() Half-face APR	
		(X) Full-face APR	Cartridge (specify):
			Mercury vapor

APR = Negative-pressure air-purifying respirator.

Expendable PPE/clothing will be segregated, bagged, and placed into lined containers and properly labeled. PPE will be managed as solid waste. Respirators will be properly washed with an approved disinfectant, rinsed, and air-dried. The respirator wash and rinse water will be contained and sampled. Collected samples, if required by SNL/NM project management, will be submitted to an SNL/NM contractor laboratory for analysis. The sample will be analyzed for the following constituents: arsenic, barium, beryllium, cadmium, chromium, copper, iron, lead, mercury, nickel, selenium, and silver. Upon receipt and review of the analytical data, a request for approval to discharge to the sanitary sewer will be submitted to SNL/NM Department 10333. Waste removal will be coordinated with the SNL/NM Project Manager through the Solid and Hazardous Waste Departments.

5.0 Monitoring

Workplace monitoring is employed to ensure that engineering controls and PPE selection are protective of project personnel and to prevent inadvertent releases. All monitoring will be conducted by the Site Safety Officer or his designee. The SNL/NM Project Manager and Health and Safety Manager will be consulted for specific PPE upgrades if required. Equipment has been selected to reflect the known and expected project hazards. Action levels are based upon SNL/NM policies, best practices, and applicable regulatory requirements. These levels are the maximum exposure or acceptable range for each parameter that do not require special measures to protect personnel. If monitoring determines that action levels are exceeded, the controls and PPE requirements of this plan (Chapter 4.0) will be either implemented or evaluated and upgraded as appropriate. Table 5-1 lists the monitoring equipment, associated action levels, and tasks where monitoring is required.

**Table 5-1
Monitoring Requirements
Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico**

Instrument	Task	Action Guideline	Comments (Includes Schedules of Use)
Real-Time Aerosol Monitor	2, 3, 4, 5, and 6	0.025 mg/m ³ respirable	Excavation, backfill, compaction, and site restoration activities; screening
Hand-Held Radiation Detection Instrument	1, 4, and 5A	Positive meter response 2 times greater than background	Screening
PID	4 and 5	Positive meter response 2 times greater than background	Screening
Four-Gas Meter (H ₂ S, CO, CH ₄ , and O ₂)	1	Positive meter response for H ₂ S and CH ₄	Soil and excavation screening prior to trench excavation

mg/m³ = Milligram(s) per cubic meter.

PID = Photoionization detector.

5.1 Aerosol Monitoring for Dust

Aerosol monitoring provides real-time data regarding employee exposure to generated dust. Real-time aerosol monitoring will be required on this project to ensure that employees are not exposed to levels of dust that exceed the silica dust exposure limits provided in Table 5-1. A monitor such as an MIE Model PDR-1000/AN or equivalent will be used. This monitor provides real-time data for a range of particle sizes from 0.1 to 10 microns and 10,000 data points.

5.2 Radiological Monitoring

A surface radiological walkover survey will be performed at the TA-III Classified Waste Landfill to address potential worker safety and protection issues prior to closure work activities and establish site-specific background readings for both beta- and gamma-emitting radionuclides. The survey grid will comprise 100-percent coverage over Pit A, including a 10-foot-wide buffer on all sides of Pit A. A grid of 25-percent coverage will be surveyed on the remainder of the site. The radiological walkover survey will be performed in accordance with current SNL/NM radiological procedures. In addition, radiological surveys will be conducted on all excavated materials both in the layout pad and during the segregation process to address potential worker safety and protection issues.

5.3 Methane Monitoring

Baseline methane monitoring prior to excavation activities will be conducted within the upper soil cover of Pit A to ensure worker protection. Power augers (or equivalent) may be utilized to allow measurement of gas in the upper 18 to 24 inches of the cover. A four-gas meter (H₂S, CO, CH₄, O₂), that also measures the lower explosive limit, will be utilized on 10-foot grid spacing over the trench (including a 10-foot buffer on all sides of the trench).

6.0 Hazard Control Measures

Hazards identified and discussed in this SSHASP will be controlled to the extent possible with engineered controls including specialized equipment, applicable standard health and safety procedures, use of internal and external permits, daily tailgate safety meetings (TGSMs), and Job Safety Analyses (JSAs) as needed for new or complex tasks. Additionally, project-specific procedures or requirements are detailed in this SSHASP. If a hazard not addressed in this plan is identified, that activity will be suspended until appropriate controls are developed. Work activities will proceed with the concurrence of the SNL/NM Project Manager, Safety Engineering, Industrial Hygiene, and the Health and Safety Manager.

6.1 Site Security

Site security is provided by a perimeter fence. The access gate will be locked after normal working hours and SNL/NM security personnel will monitor the site. Due to the nature of the classified materials, the site will have strict access control. Exclusion zones will be set up and maintained at Pit A and at all surrounding handling and storage areas.

6.2 Health and Safety Procedures

All project activities will comply with the requirements of this SSHASP, and the applicable SNL/NM Health and Safety Procedures. All project personnel shall review the on-site information for awareness of procedures that cover assigned tasks. Site supervision personnel will ensure that appropriate procedures are implemented.

6.3 Changed Conditions

When project personnel observe a hazardous condition for which they are not prepared, they will immediately stop work, warn other personnel in the area, and exit the area. The SNL/NM Project Manager and Site Supervisor will then be notified. Employees may use a level of protection higher than that specified in this SSHASP; however, changes in the PPE will be evaluated by SNL/NM Safety Engineering and Industrial Hygiene personnel as applicable.

6.4 Communications

The TA-III Classified Waste Landfill will not have a working land line and communications will rely on cell phones. In the event of an SNL/NM site emergency, all personnel will comply with direction given by SNL/NM Incident Command (IC).

All project personnel and visitors will be briefed on emergency communications and the appropriate response. During noisy operations, hand signals for help, exit, and stop work will be established and reviewed during the daily TGSM and before the noisy operation begins.

6.5 Permits

Excavation permits are required for excavations greater than 6 inches in depth. Permit requests will be prepared and submitted by the SNL/NM Excavation Contractor. Permitted activities will commence only after an approved permit is issued by the cognizant SNL/NM organization and project personnel are briefed on the permit requirements and conditions. After the activity is completed, the permit will be terminated. Permits that will, or may, be required are listed in Table 6-1. Welding, Cutting and Brazing Control Permits are required by Section 4E of the SNL/NM ES&H Manual. This operation also requires SNL/NM-specific training. The SNL/NM ES&H Manual Section 5B governs hot work. The most current version of the ES&H Manual shall be reviewed and compliance is mandatory for any hot work. An SNL/NM critical lift plan will be approved prior to any rigging and lifting. No dust control permit will be required as the disturbance area is less than 5 acres.

**Table 6-1
Hazard Control Permits
Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico**

Permit	Issuing Organization	Notification Requirements	Tasks
Penetration/Excavation Permit	SNL/NM FMOE FESH	NA	Fence movement; excavation of landfill
Hot Work Permit (welding cutting, brazing control)	SNL/NM IH ES&H team	NA	Disassembly of metal items

ES&H = Environment, Safety, and Health.
FESH = Facilities Environment, Safety, and Health.
FMOE = Facilities Maintenance Operation Center.
IH = Industrial Hygiene.
NA = Not applicable.
SNL/NM = Sandia National Laboratories/New Mexico.

6.6 Dust Suppression

Silica dust-generating activities are anticipated during planned project tasks. If there is visible airborne dust generated during project activities that may present a potential inhalation or ingestion hazard to project personnel, the Site Safety Officer and/or Site Supervisor will be consulted. A mitigation measure, typically wetting the soil, will be implemented by the SNL/NM Excavation Contractor. Another mitigation method may include application of magnesium chloride or other tackifiers to stabilize the soil during storage periods in a pile and/or on surface roads. Should such an event occur, the necessary precautions will be taken to avoid worker exposure to the silica hazard and to control the generation of nuisance dust. Dust control

will conform to SNL/NM Construction Standard Specification, Section 01563, which is provided in Appendix E.

6.7 Vehicle Operations

A vehicle will be used by project personnel and heavy equipment will be operated by the SNL/NM Excavation Contractor in support of project activities. Project vehicles will be operated in a safe manner and in accordance with State of New Mexico and SNL/NM vehicle rules and regulations. Vehicle operators will possess a valid driver's license. Only SNL/NM Excavation Contractor personnel will operate heavy equipment owned or leased by the SNL/NM Excavation Contractor. Site personnel will stay out of the immediate area of heavy equipment operation until eye contact is made with the operator and the machinery is placed in a safe and neutral position. High-visibility safety vests will be worn at all times by site project personnel while any equipment is in operation on the project site.

Unpackaged, contaminated materials will not be transported in project vehicles. Samples of respirator water (if generated) will be transported in a project vehicle provided by SNL/NM. Samples shall be in a sample cooler or other appropriate secondary container and shall not be placed in the passenger compartment. Transport of samples, project equipment, project materials, chemicals, radioactive materials, or waste in private vehicles is prohibited. Personnel wearing PPE shall not enter a project vehicle unless that vehicle is prepared and approved for that use.

6.8 Material Handling

Empty waste containers and packaged waste will be moved to waste staging areas. Tie-down straps will not be used for lifting, rigging, towing, or any purpose other than that intended by the manufacturer. Forklifts will be operated only by personnel with an SNL/NM forklift certification and in accordance with SNL/NM training, inspection, and operational requirements. Use of cranes or hoisting equipment and rigging is included in the planned work. Additional controls will be implemented if hoisting or rigging operations are necessary.

6.9 Buddy System

All project personnel and site visitors will utilize the buddy system while at the project site. Project personnel are from the SNL/NM facility and contractor staff assigned full-time to the project or listed in Table 2-2. All other personnel visiting the site will sign in on the SNL/NM Excavation Contractor's entry log and state the nature of their business. Prior to leaving the site, personnel will sign out in the same manner.

6.10 Safety Meetings

A JSA and daily safety meetings will be conducted covering all activities planned for the work shift. Discussion, at a minimum, will address planned tasks, crew assignments, chemical and physical hazards, required PPE, and other applicable hazard control measures. Project personnel not present at the TGSM and all visitors will review the TGSM form and the JSA with the Site Safety Officer or Site Supervisor prior to accessing the site. All personnel will sign the TGSM form and the JSA acknowledging that they are familiar with the planned work activities and the associated hazards and control measures.

Additional task-specific safety meetings documented on the JSA form will be held for new activities not addressed at the start of the shift or when field conditions change. At any time, the crew leader, Site Safety Officer, or Site Supervisor may require a safety meeting to address specific hazards or concerns.

6.11 Slips, Trips, Falls, and Lifting

Work areas and walkways shall be kept clear of equipment, materials, and debris. Designated areas for temporary storage shall be out of normal travel paths and clearly marked or posted with signs and temporary boundaries.

Personnel shall size up loads before lifting and obtain assistance with heavy or awkward loads. No load in excess of 60 pounds will be handled by a single person. In some cases, a 60-pound load will be too much for a single person and assistance will be required. Personnel are prohibited from carrying any load that obstructs their view.

6.12 Heavy Equipment

Heavy equipment used on this project will be provided by the SNL/NM Excavation Contractor. Only the SNL/NM Excavation Contractor's employees may operate typical excavating equipment chosen by the SNL/NM Excavation Contractor. Site personnel shall wear high-visibility vests and maintain the required distance away from the equipment to ensure that they are outside the swing radius of the equipment. Personnel may not approach the equipment until, and unless, eye contact is made with the operator and the operator places the machinery in a safe configuration. Additional standard operating procedures may be required for operation of screen plants and shredders.

In the event it is necessary to use a boom truck or crane to remove items from the excavation, a critical lift plan will be developed by the contractor actually performing the lift. This plan will be a stand-alone document requiring the approval of SNL/NM Safety Engineering. Only qualified personnel will be allowed to be involved with lifting and rigging.

Site personnel will be required to move and stage waste within a designated staging area. This will require the use of a forklift provided by SNL/NM. Only trained personnel will operate forklifts. When moving waste, a spotter shall assist to ensure that there is sufficient room to maneuver the lift around any fixed obstacles and to warn other personnel to stay clear.

6.13 Sanitation

Toilets and hand-washing facilities will be provided at the TA-III Classified Waste Landfill project site. Personnel shall wash their hands and faces after doffing PPE, before eating or drinking, and prior to leaving the job site.

Smoking/tobacco is not allowed anywhere at SNL/NM or in any government vehicle. A designated smoking area will not be provided.

6.14 Chemical and Radiological Hazards

Process knowledge indicates that neither chemical nor radiological hazards are associated with the contents of the TA-III Classified Waste Landfill. Chemical screening will be performed using a photoionization detector. Radiological screening will be performed using an alpha- and beta/gamma-emitter detector. Landfill gases will be monitored using a four-gas meter. Personnel working in the landfill area shall comply with the PPE, sanitation, and other work practices specified in this SSHASP.

6.15 Biological Hazards

Biological hazards including snakes, rodent and bird nests, feces, or carcasses and insect infestations, while not identified in recent site activities, may be present within the boundaries of the TA-III Classified Waste Landfill. If encountered, personnel are to avoid contact and notify the Site Safety Officer and Site Supervisor. Appropriately trained personnel will remove biological contamination. Bird carcasses or nests will be brought to the attention of the SNL/NM biologist for documentation and disposal. Snake sightings will be reported to the Site Supervisor and the Site Safety Officer immediately. Personnel are to avoid contact with and disturbance of snakes.

6.16 Adverse Weather

During the course of this project, personnel may be exposed to extremes of cold, heat, high winds, lightning, rain, or snow. No work will be performed outside when there is a threat of lightning as broadcast by SNL/NM IC, extreme windy conditions, or when raining or snowing.

Personnel shall dress appropriately for the expected conditions. In cold weather, the use of layered clothing is strongly recommended to allow for varying clothing to match levels of exertion. In hot weather, light clothing should be worn, and personnel should stay hydrated.

Drinking water will be provided at the job site. Personnel monitoring will comply with SNL/NM procedures.

6.17 Decontamination

Decontamination methods are provided in the event that personnel or equipment become chemically contaminated. Good work practices, housekeeping, and PPE requirements are measures intended to preclude the need for these procedures.

6.17.1 Personnel Decontamination

Decontamination of personnel will be performed under the supervision of Medical Services personnel. If deemed necessary, the contaminated person will be transported to the University of New Mexico Hospital Emergency facility. Should such an event occur, contamination control barriers will be employed by both covering the area of contamination and placing protective barriers in the transport vehicle.

6.17.2 Equipment Decontamination

Equipment or tools exposed to hazardous materials may require decontamination before being released from the work area, as follows:

1. Remove as much loose contamination as possible using wipes or paper towels.
2. A nonhazardous degreaser, such as Scrubbing Bubbles®, may also be used to help remove loose contamination.
3. Wipe equipment or tools dry with paper towels or rags.
4. If equipment or tools are not sufficiently decontaminated, use an abrasive material, such as scrubbers or brushes, and continue decontamination.
5. Repeat Steps 1 through 5 until equipment or tools are free of any soil, dirt, or staining.

Decontamination materials will be managed as hazardous waste, as appropriate.

6.18 Housekeeping

Effective housekeeping is critical to maintaining a safe work environment and preventing the spread of contamination. Active work areas will be kept free of trash, stored equipment, debris, and anything that could obstruct access and egress. Trash will be placed into the appropriate containers, and full containers will be emptied and the contents disposed of properly. Trash will be disposed of daily.

Active work areas will have all tools and equipment kept clear of walking and working surfaces while work is in progress and properly stored in the designated storage at the end of the shift.

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7.0 Emergencies

In the event of an emergency, the person discovering the emergency condition will notify other personnel in the immediate area, as well as site supervision personnel and the appropriate emergency support service. Site supervision personnel are responsible for ensuring emergency support services are activated, protecting project and other personnel in the vicinity, and preventing the spread of contamination. Site supervision personnel shall notify the SNL/NM Project Manager and the SNL/NM Project Health and Safety Manager immediately after emergency support services are notified. Site supervision personnel shall notify the SNL/NM Project Manager within one hour of any emergency notification. Emergency contacts are detailed in Table 7-1.

7.1 Medical Emergency

In the event of an illness or injury, the following steps will be taken: 1) If the injured party is inside a chemically controlled area, decontamination will be evaluated. For minor injuries, the individual will be decontaminated before application of first aid; for major injuries, removal of the individual from the area will be performed without decontamination. 2) First aid will be applied as appropriate. 3) If necessary, the individual will be transported by ambulance immediately to the hospital. If the injury is minor, it will be examined at the time and clinic selected by the SNL/NM Excavation Contractor.

First-aid cases involving electrical shock will be handled by contacting the SNL/NM Medical Center (Figure 7-1). Emergency cases will be transported by SNL/NM ambulance to the University of New Mexico Hospital (Figure 7-2). All other cases will be handled by the SNL/NM Excavation Contractor nonemergency medical facility (e.g., Presbyterian Occupational Medicine Clinic [Figure 7-3]). Table 7-1 lists the medical center and hospital addresses and contact information.

7.2 Work Site Evacuation

Site evacuation routes will be discussed during the daily TGSM and addressed in the JSA. In an emergency involving fire, explosion, or chemical release, the first individual on the scene will immediately sound the alarm. All personnel will exit the site via the closest safe emergency exit and proceed to the designated assembly point in accordance with the project evacuation plan (Figure 7-4) or an alternate upwind location as designated by the Site Safety Officer. The Site Safety Officer will maintain accountability of all project personnel and visitors.

Table 7-1

Emergency Contacts

Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

Emergency Contacts	Name	Phone
SNL/NM 24-Hour Emergency Line	EOC	844-0911
Corporate Health and Safety Manager	TBD	
Health and Safety Manager	TBD	
Project Manager	TBD	
Technical Lead	TBD	
SNL/NM Project Manager	TBD	
Fire Department	Dispatcher	117 or 844-0903
Poison Control Center	Dispatcher	(505) 843-2551
Industrial Hygiene (Department (10327))	Fred Shelly	(505) 284-6320
Safety Engineering (Department (10322))	Donald Rideout	(505) 844-6395
Incident Commander	IC	(505) 844-4189
<p>MEDICAL EMERGENCY: Number of 24-Hour Ambulance: <u>844-0911</u></p> <p>Electrical Shock Medical Facility Name: <u>SNL/NM Medical Center</u> Medical Facility Address: <u>Building 831, F and 7th Streets, KAFB</u> Medical Facility Phone Number: <u>844-7845</u></p> <p>Emergency Medical Facility : <u>University of New Mexico Hospital</u> Emergency Medical Facility Address: <u>2211 Lomas Blvd NE.</u> Emergency Medical Facility Phone: <u>272-2111</u> Number of 24-Hour Ambulance (EOC): <u>911 or 844-0911 (EOC)</u></p> <p>Nonemergency Medical Facility Name: <u>Presbyterian Occupational Medicine Clinic</u> Medical Facility Address: <u>5901 Harper NE</u> Medical Facility Phone Number: <u>823-8450</u></p> <p>Routes to Medical Facilities: See Figures 7-1, 7-2, and 7-3.</p> <p>Directions to SNL/NM Medical Center: See Figure 7-1. Follow Eubank Blvd. north and turn left onto Pennsylvania. From Pennsylvania, turn right onto Wyoming Blvd. and go north to F Street. The SNL/NM Medical Center is located at the north end of TA-I on F Street in Building 831 at the west end.</p> <p>Directions to UNM Hospital: See Figure 7-2. Follow Eubank Blvd. north and turn left onto Pennsylvania. From Pennsylvania, turn left onto Gibson Blvd. Exit KAFB through the Gibson Gate at the intersection of Gibson and Louisiana Blvds. Follow Gibson west to I-25 and turn north. Exit I-25 at Lomas and go to 2200 Lomas Blvd. NE. The route to the hospital will be reviewed during the site safety meeting.</p> <p>Directions to Presbyterian Occupational Medicine Clinic: See Figure 7-3. Follow Eubank Blvd. north and turn left onto Pennsylvania. From Pennsylvania, turn right onto Wyoming Blvd. Exit KAFB at the Wyoming Gate and continue on Wyoming. Turn left at the stoplight for the on-ramp to I-40 West. Exit right at the Big I interchange onto I-25 North. Travel north to the San Mateo/Osuna off-ramp and exit onto the Pan American Freeway East frontage road. Continue north on the Pan American Freeway frontage road. Just north of San Mateo Blvd., turn right onto Harper Drive.</p>		

EOC = Emergency Operations Center.
 IC = Incident Command.
 KAFB = Kirtland Air Force Base.

SNL/NM = Sandia National Laboratories/New Mexico.
 TA = Technical Area.

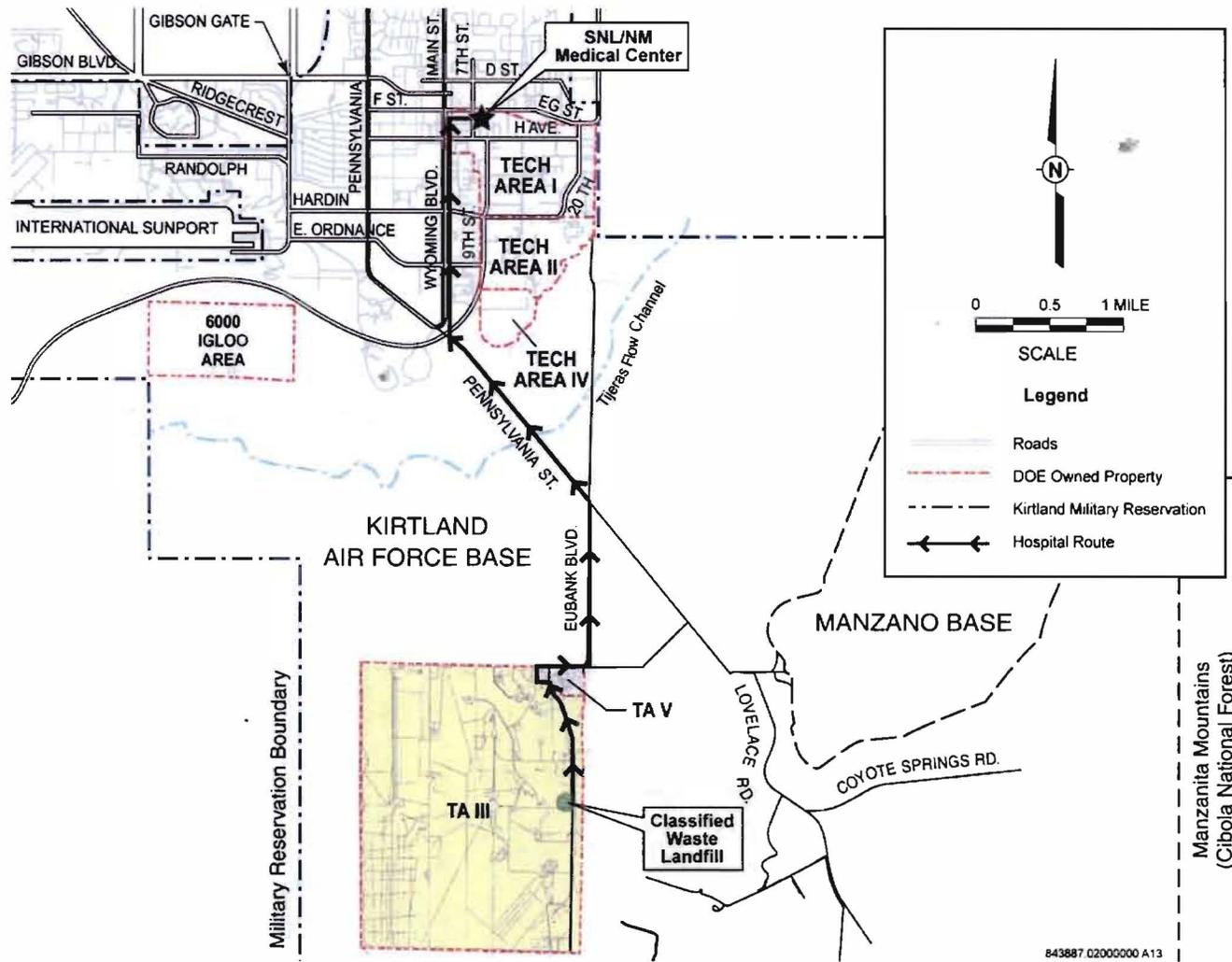


Figure 7-1
Health and Safety Plan Hospital Route Map from Classified Waste Landfill to SNL/NM Medical Center

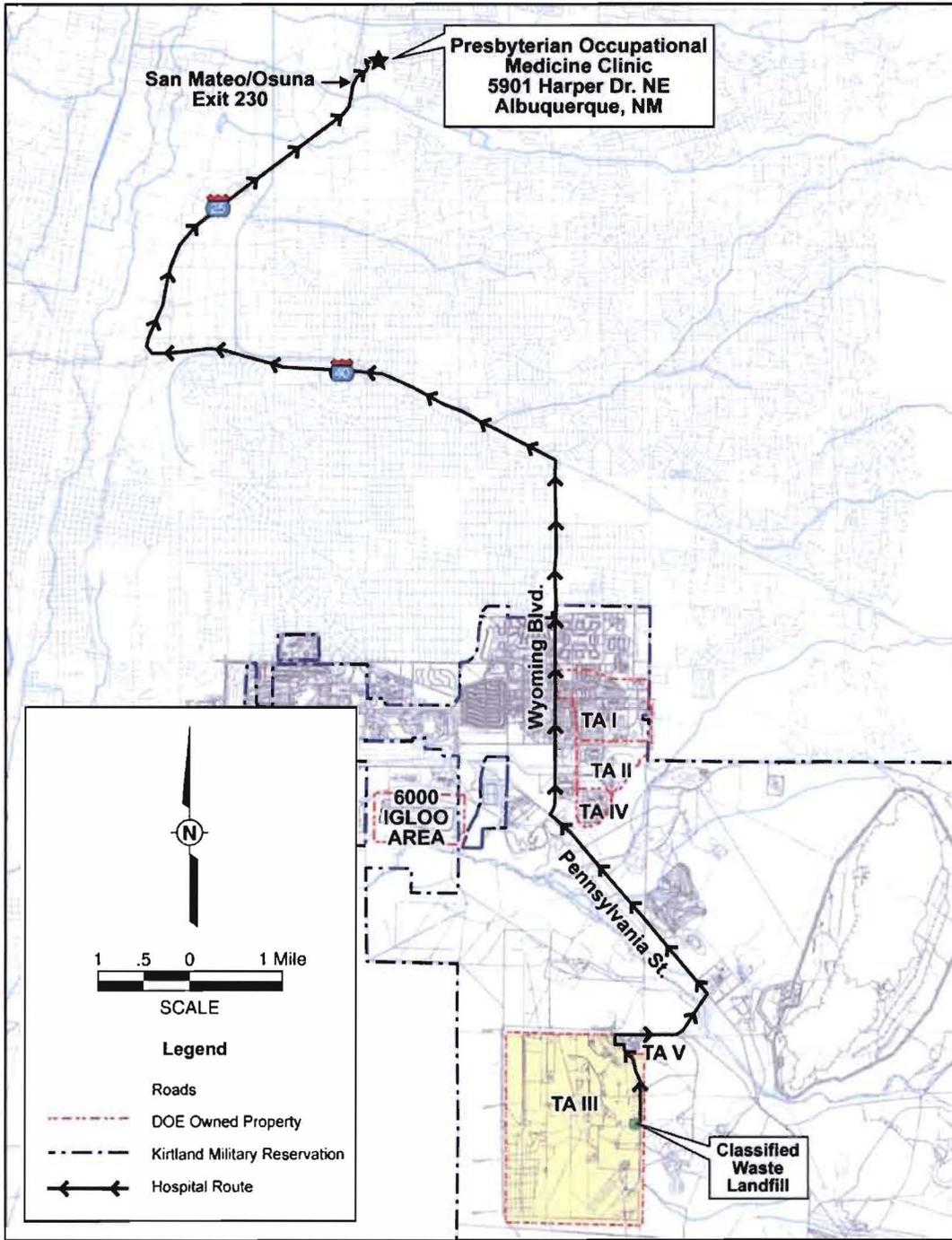


Figure 7-3
Health and Safety Plan Hospital Route Map from Classified Waste Landfill to Presbyterian Occupational Medicine Clinic

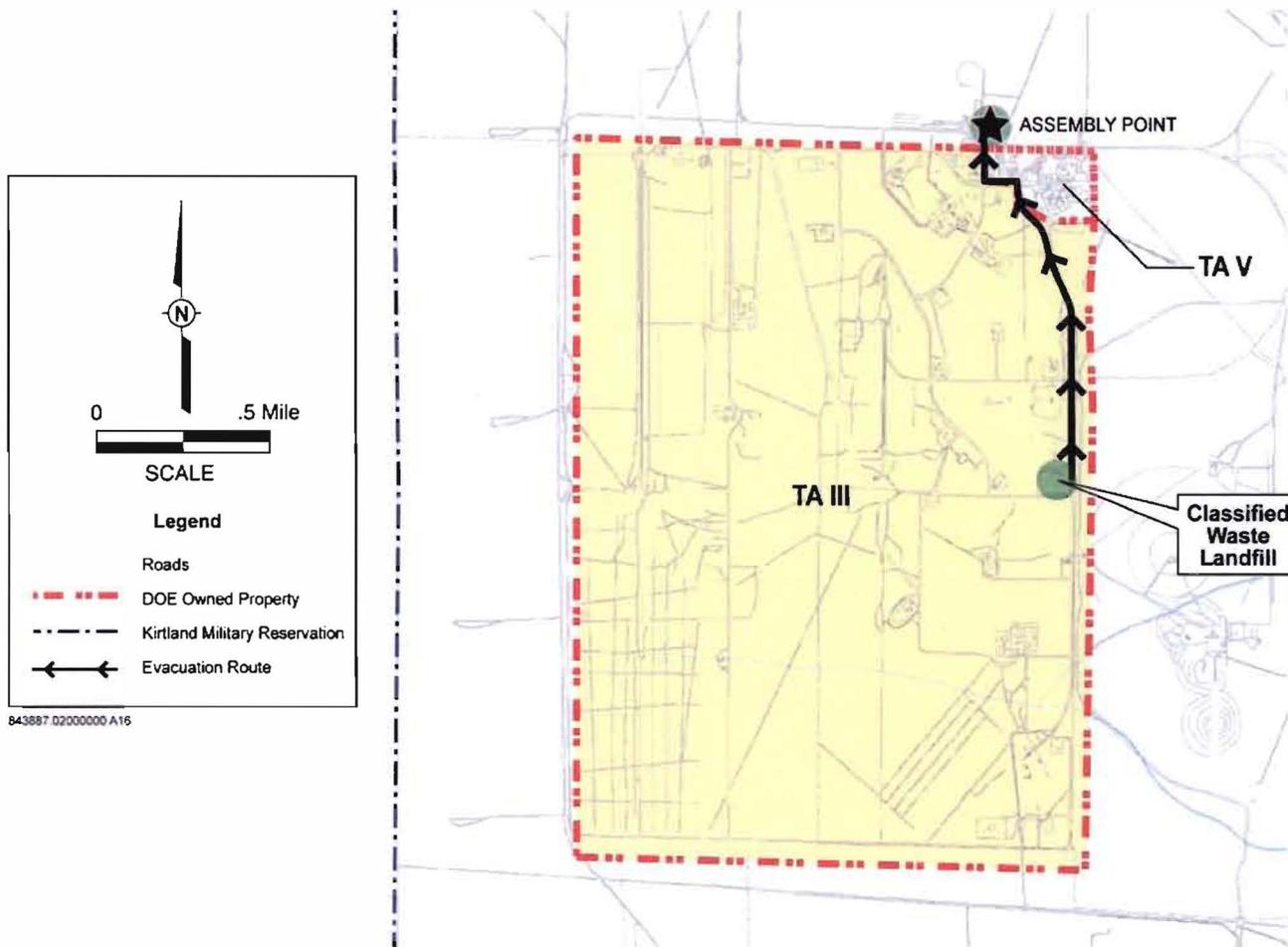


Figure 7-4
Health and Safety Plan Evacuation Route Map from Classified Waste Landfill to Assembly Point

In the event of an evacuation, the Site Safety Officer or Site Supervisor will notify the SNL/NM Project Manager and SNL/NM IC. The Site Supervisor will serve as the site contact with IC for any emergency response. All project personnel will comply with direction given by the IC on-scene commander and other response personnel. All personnel shall remain at the assembly point until authorized by IC and released by the Site Supervisor and Site Safety Officer. Reentry into the work area will be made only after conditions in the area are known and personnel are briefed on any hazards that may exist as a result of the event that required an evacuation.

7.3 Early Notification

If a significant event occurs that has the potential to (1) negatively affect the performance, reputation, or financial position of Sandia Corporation, Lockheed Martin Corporation, or the Department of Energy/National Nuclear Security Administration; (2) generate probing or embarrassing inquiries; or (3) generate political interest or involvement from local, state, or federal entities, the notification procedures outlined in the SSHASP Table 7-2 must be followed.

Table 7-2

Early Notification

Technical Area III Classified Waste Landfill, Sandia National Laboratories, New Mexico

This process applies to nonemergencies. *If you have an emergency, call 911 immediately.*

Situation	Response
If you have a significant ^a <i>ES&H</i> event,	then within two hours of the event you must notify the Project Manager, EH&S Coordinator, and Technical Lead. Within the same two hours, your management personnel must notify the SNL Project Manager. The SNL Project Manager will notify the SNL ES&H Coordinator, the EOC at 844-6515, and the NNSA/SSO Facility Representative.
If you have a significant ^a interaction with local, state, federal elected/appointed <i>officials</i> ,	then within eight hours of first becoming aware of a planned or actual interaction, you must notify your management chain of command and the SNL Project Manager. Within the same eight hours, SNL management personnel must execute their VP executive early notification process by contacting the Executive Staff Office at 845-8005. The Executive Staff Office will help you complete any follow-up documentation or actions.
If you have any <i>other</i> significant ^a event, not covered above (e.g., negative media coverage, litigation, business/operational or mission shortfalls)	then within eight hours you must notify your management chain of command and the SNL Project Manager Within the same eight hours, SNL management personnel must execute their VP executive early notification process by contacting the Executive Staff Office at 845-8005. The Executive Staff Office will help you complete any follow-up documentation or actions.

^aSignificant events have the potential to (1) negatively affect the performance, reputation, or financial position of SNL, LMC, or NNSA; (2) generate probing or embarrassing inquiries; or (3) generate political interest or involvement from local, state, or federal entities.
Reference: Internal Directive, ID012, Executive Early Notification Policy.
Please contact Doug Weaver at (505) 284-5234 if you have questions.

- EH&S* = Environmental Health and Safety.
- EOC* = Emergency Operations Center.
- ES&H* = Environment, Safety, and Health (SNL/NM).
- LMC* = Lockheed Martin Corporation.
- NNSA* = National Nuclear Security Administration.
- SNL* = Sandia National Laboratories.
- SSO* = Sandia Site Office.
- VP* = Vice president.

8.0 References

Sandia National Laboratories/New Mexico (SNL/NM), May 2008, *Standard Specification Section 01065 (SP 01065), Environment, Safety, and Health for Construction and Service Contracts*, Sandia National Laboratories, New Mexico, January.

Sandia National Laboratories/New Mexico (SNL/NM), March 2008. *Methane Monitoring at the TA-III Classified Waste Landfill*, Sandia National Laboratories, Albuquerque, New Mexico.

SNL/NM, see Sandia National Laboratories/New Mexico.

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APPENDIX D
Waste Hauler Registration



U.S. Department of Transportation
Federal Motor Carrier Safety Administration

1200 New Jersey Ave., S.E.
Washington, DC 20590

SERVICE DATE
October 26, 2007

PERMIT
MC-214715-P
RINCHEM COMPANY, INC
ALBUQUERQUE, NM

This Permit is evidence of the carrier's authority to engage in transportation as a **contract carrier of property (except household goods)** by motor vehicle in interstate or foreign commerce.

This authority will be effective as long as the carrier maintains compliance with the requirements pertaining to insurance coverage for the protection of the public (49 CFR 387) and the designation of agents upon whom process may be served (49 CFR 366). Failure to maintain compliance will constitute sufficient grounds for revocation of this authority.

Service must be performed under a continuing agreement with one or more persons.

A handwritten signature in black ink that reads "Kathy A. Weiner".

Kathy Weiner, Chief
Information Systems Division

NOTE: Willful and persistent noncompliance with applicable safety fitness regulations as evidenced by a DOT safety fitness rating of "Unsatisfactory" or by other indicators, could result in a proceeding requiring the holder of this certificate or permit to show cause why this authority should not be suspended or revoked.

PMO