Contract 9-XV2-139-EE1
Work Release 95-0013 (761157)
June 1996

TA 55

# Technical Area 55
# Part A Permit Application

## Revision 1.0

*Los Alamos National Laboratory*
*Hazardous and Solid Waste Group (ESH-19)*
*Los Alamos, New Mexico 87545*

4414

LA-UR-07-0213

*Approved for public release; distribution is unlimited.*

*Title:* TECHNICAL AREA 55 PART A PERMIT APPLICATION, REVISION 1.0, JUNE 1996

*Author(s):* Jack E. Ellvinger, ENV-RCRA

*Intended for:* New Mexico Environment Department- Hazardous Waste Bureau

Los Alamos
NATIONAL LABORATORY
EST. 1943

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For access to these documents contact:
Ms. Barbara Hoditschek, RCRA Permits Management Program Manager
Mr. Robert S. (Stu) Dinwiddie, LANL Facility Manager

| | |
|---|---|
| **Document:** | **TA-55 Part A** |
| **Revision No.:** | **1.0** |
| **Date:** | **June 1996** |

# Technical Area 55
# Part A Permit Application

Los Alamos National Laboratory
Hazardous and Solid Waste Group (ESH-19)
Los Alamos, New Mexico 87545

June 1996

**Note to Reviewers:**

This revision of the TA-55 Part A permit application has been produced in redline/strikeout (RL/SO) format. Redline (i.e., shaded) text represents new or changed information; strikeout text represents information that has been removed from the document. The Part A standard form, however, contains some new/changed information but has not been produced in RL/SO format because of space constraints.

Changes to unit descriptions are summarized on the following pages in RL/SO; these new unit descriptions have been carried throughout this document (e.g., on maps and figures, in photograph captions) but unit description revisions on the actual maps and figures are not shown in RL/SO because of space constraints. For new figures or photographs, the figure or photograph caption has been indicated in RL.

## Summary of Changes to Technical Area (TA) 55 Unit Descriptions

| Description in Revision 0.0[a] | Description in Revision 1.0 |
|---|---|
| Container storage areas for TRU mixed waste (Areas 1, 2, and 3) | Container storage areas for hazardous waste, TRU mixed waste, and low-level mixed waste (Areas 1, 2, and 3) |
| Container storage area for hazardous waste and low-level mixed waste (Area 4) | Container storage area for hazardous waste, TRU mixed waste, and low-level mixed waste (Area 4) |
| Container storage area for oversized mixed waste (Area 5) | Container storage area for hazardous waste, TRU mixed waste, and low-level mixed waste (Area 5) |
| Container storage area for mixed waste in vault (Area 6) | Container storage area for TRU mixed waste (Area 6) |
| Container storage area for hazardous and mixed waste (Area 7) | Container storage area for hazardous waste, TRU mixed waste, and low-level mixed waste (Area 7) |
| Container storage area for mixed waste (Area 8) | Container storage area for TRU mixed waste and low-level mixed waste (Area 8) |
| Container storage area for mixed waste (Area 9) | Container storage area for TRU mixed waste and low-level mixed waste (Area 9) |
| Container storage area for mixed waste (Area 10) | [b] |
| Container storage area for mixed waste (Area 11) | Container storage area for TRU mixed waste and low-level mixed waste (Area 10) |
| Container storage area for mixed waste (Area 12) | Container storage area for TRU mixed waste (Area 11) |
| Container storage pad for hazardous and mixed waste | Container storage pad for hazardous waste, TRU mixed waste, and low-level mixed waste |
| Container storage area for hazardous and mixed waste (Building 185) | Container storage area for hazardous waste, TRU mixed waste, and low-level mixed waste (Building 185) |
| 13 mixed waste storage tanks for evaporator bottoms solution[c] | Evaporator glovebox storage tank system; cementation unit storage tank system[c] |
| Cementing process for mixed waste | Cementation unit for TRU mixed waste |
| Oxygen sparging furnace for pyrophoric salt | Oxygen sparging unit for ignitable/reactive salt[d] |

[a] As described in Los Alamos National Laboratory's "Technical Area 55 RCRA Part A Permit Application, Revision 0.0," 1995, Los Alamos National Laboratory, Los Alamos, New Mexico.

[b] This container storage area is located in Room 401 of TA-55-4 and consists of the storage trays used to temporarily store evaporator bottoms solutions. However, the glovebox that this container storage area is located in has been reclassified as tank storage (see footnote "c" below). Consequently, this area is no longer considered a container storage area, but rather is now part of the tank system.

[c] As presented in earlier Part A permit application submittals, the 13 mixed waste storage tanks comprised two storage tank systems. One tank system consisted of 8 glass columns in glovebox GB-438 and was

associated with the evaporator unit; the other tank system consisted of 5 stainless steel tanks associated with the cementation unit. As a result of discussions with the New Mexico Environment Department, glovebox GB-438 is now considered the "tank" rather than the 8 glass columns. Glovebox GB-438 and ancillary equipment now comprise the "evaporator glovebox storage tank system"; the 5 stainless steel tanks and ancillary equipment associated with the cementation unit comprise the "cementation unit storage tank system."

d The oxygen sparging unit will be closed under 20 NMAC 4.1, Subpart VI, requirements.

## ~~Summary of Changes to Technical Area (TA) 55 Unit Descriptions~~

| ~~Old Description[a]~~ | ~~Description in this Part A Permit Application~~ |
|---|---|
| ~~Container storage areas for TRU mixed waste (Areas 1, 2, and 3)~~ | ~~No change~~ |
| ~~Container storage areas for low-level mixed waste~~ | ~~Container storage area for hazardous waste and low-level mixed waste (Area 4)~~ |
| ~~Container storage area for oversized TRU mixed waste~~ | ~~Container storage area for oversized mixed waste (Area 5)~~ |
| ~~Container storage in vault~~ | ~~Container storage area for mixed waste in vault (Area 6)~~ |
| ~~Container storage area~~ | ~~Container storage area for hazardous and mixed waste (Area 7)~~ |
| ~~Container storage area for mixed waste monitoring~~ | ~~Container storage area for mixed waste (Area 8)~~ |
| ~~Container storage area for sphere material removal~~ | ~~Container storage area for mixed waste (Area 9)~~ |
| ~~Container storage area for evaporator salt precipitate~~ | ~~Container storage area for mixed waste (Area 10)~~ |
| ~~Container storage area for mixed waste monitoring~~ | ~~Container storage area for mixed waste (Area 11)~~ |
| ~~Container storage area for glovebox process waste~~ | ~~Container storage area for mixed waste (Area 12)~~ |
| ~~Container storage pad~~ | ~~Container storage pad for hazardous and mixed waste~~ |
| ~~Container storage area for TRU mixed waste (Building 185)~~ | ~~Container storage area for hazardous and mixed waste (Building 185)~~ |
| ~~13 waste storage tanks for evaporator bottoms solution~~ | ~~13 mixed waste storage tanks for evaporator bottoms solution~~ |
| ~~Cementing process~~ | ~~Cementing process for mixed waste~~ |
| ~~Oxygen sparging furnace for pyrophoric salt[b]~~ | ~~No change~~ |

~~[a] As described in Los Alamos National Laboratory's (LANL's) "RCRA Part A Permit Application for Mixed Waste, Revision 2.0," 1994, Los Alamos National Laboratory, Los Alamos, New Mexico.~~
~~[b] The oxygen sparging furnace will be closed under interim status.~~

~~Note: LANL's "RCRA Part A Permit Application for Mixed Waste, Revision 2.0," submitted to the New Mexico Environment Department in 1994, included a container storage area in a vault at TA-55-41. Waste has never been stored in this area, and LANL personnel have determined that, currently, this container storage area is not needed. Therefore, it is not included in this TA-55 Part A permit application.~~

## Summary of Changes in Design Capacity of Processes in the Technical Area (TA) 55 Part A Permit Application

Los Alamos National Laboratory (LANL) is requesting the following design capacity changes pursuant to the New Mexico Administrative Code, Title 20, Chapter 4, Part 1 (20 NMAC 4.1), Subpart IX, 270.72(a):

| | Old Capacity[a] | New Capacity | Specific Justification |
|---|---|---|---|
| **Container storage:** | | | |
| Container storage area for mixed waste (Area 10) | 50 gallons (gal) | 0 gal | This container storage area is located in glovebox GB-438 in Room 401 of TA-55-4 and consists of the storage trays used to temporarily store evaporator bottom solutions. However, glovebox GB-438 has been reclassified as tank storage. Consequently, this area is no longer considered a container storage area but is now part of the tank system. The capacity of the area is now included in tank storage rather than container storage. |
| **Tank Storage:** | | | |
| TA-55, Building 4, Room 401, Evaporator glovebox storage tank system | 410 gal | 460 gal | This increase in design capacity represents a "shift" of 50 gallons from the container storage area described above (Area 10 in Revision 0.0 of the Technical Area 55 RCRA Part A Permit Application, 1995) to tank storage as a result of the reclassification of glovebox GB-438 as tank storage. |

[a] As specified in LANL's "Technical Area 55 RCRA Part A Permit Application, Revision 0.0," 1995, Los Alamos National Laboratory, Los Alamos, New Mexico.

## ~~Summary of Increases in Design Capacity of Processes in the Technical Area (TA) 55 Part A Permit Application~~
~~(Justification Required)~~

~~Los Alamos National Laboratory (LANL) is requesting the following design capacity changes pursuant to the New Mexico Administrative Code, Title 20, Chapter 4, Part 1 (20 NMAC 4.1), Subpart IX, 270.72(a). Regulatory justifications for increases in design capacity are (i) a lack of available treatment, storage, or disposal capacity at other hazardous waste management facilities, and (ii) the change is necessary to comply with a Federal, State, or local requirement. This information is being submitted with this TA 55 Part A permit application, as required by 20 NMAC 4.1, Subpart IX, 270.72(a)(2).~~

| | ~~Old Capacity[a]~~ | ~~New Capacity~~ | ~~Specific Justification~~ |
|---|---|---|---|
| ~~**Container Storage:**~~ | | | |
| ~~TA 55, Building 4 (TA 55-4), Basement, Area 6~~ | ~~1,100 gallons (gal)~~ | ~~4,000 gal~~ | ~~Underestimate of capacity~~ |
| ~~TA 55-4, Basement, Area 7~~ | ~~3,025 gal~~ | ~~4,400 gal~~ | ~~Underestimate of capacity~~ |
| ~~TA 55-4, Room 432, Area 12~~ | ~~2,200 gal~~ | ~~4,400 gal~~ | ~~Underestimate of capacity~~ |
| ~~TA 55, Building 185~~ | ~~15,000 gal~~ | ~~27,500 gal~~ | ~~Underestimate of capacity~~ |
| ~~**Treatment Solidification:**~~ | | | |
| ~~TA 55-4, Room 401, Cementing Process~~ | ~~110 gallons per day (gal/day)~~ | ~~165 (gal/day)~~ | ~~Underestimate of capacity~~ |

~~[a] As specified in Revision 2.0 of LANL's "RCRA Part A Permit Application for Mixed Waste," 1994, Los Alamos National Laboratory, Los Alamos, New Mexico.~~

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Form Approved. OMB No. 2050-0034 Expires 12-31-91
GSA No. 0246-EPA-OT

| For EPA Regional Use Only | EPA<br>United States Environmental Protection Agency<br>Washington, DC 20460<br># Hazardous Waste Permit Application Part A<br>(Read the Instructions before starting) | For State Use Only |
|---|---|---|
| Date Received<br>Month Day Year | | |

## I. ID Number(s)

| A. EPA ID Number | B. Secondary ID Number (if applicable) |
|---|---|
| N M 0 8 9 0 0 1 0 5 1 5 | |

## II. Name of Facility

LOS ALAMOS NATIONAL LABORATORY

## III. Facility Location (Physical address not P.O. Box or Route Number)

A. Street

Street (continued)

| City or Town | State | ZIP Code |
|---|---|---|
| LOS ALAMOS | NM | 87545- |

| County Code (if known) | County Name |
|---|---|
| 028 | LOS ALAMOS |

| B. Land Type (enter code) | C. Geographic Location LATITUDE (degrees, minutes, & seconds) | LONGITUDE (degrees, minutes, & seconds) | D. Facility Existence Date Month Day Year |
|---|---|---|---|
| F | 354951 | 1061415 | 01011943 |

## IV. Facility Mailing Address

Street or P.O. Box: PO BOX 1663

| City or Town | State | ZIP Code |
|---|---|---|
| LOS ALAMOS | NM | 87545- |

## V. Facility Contact (Person to be contacted regarding waste activities at facility)

| Name (last) | (first) |
|---|---|
| TODD | THOMAS |

| Job Title | Phone Number (area code and number) |
|---|---|
| AREA MANAGER | 505-665-5027 |

## VI. Facility Contact Address (See Instructions)

| A. Contact Address Location | Mailing | B. Street or P.O. Box |
|---|---|---|
| | X | 528 35TH STREET |

| City or Town | State | ZIP Code |
|---|---|---|
| LOS ALAMOS | NM | 87544- |

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GSA No. 0246-EPA-[illegible]

| EPA I.D. Number (enter from page 1) | Secondary ID Number (enter from page 1) |
|---|---|
| N M 0 8 9 0 0 1 0 5 1 5 | |

**VII. Owner Information (see instructions)**

| Name of Facility's Owner |
|---|
| U N I V E R S I T Y O F C A L I F O R N I A |

| Street or P.O. Box |
|---|
| P O B O X 1 6 6 3 |

| City or Town | State | ZIP Code |
|---|---|---|
| L O S A L A M O S | N M | 8 7 5 4 5 - |

| Phone Number (area code and number) | B. Operator Type | C. Change of Operator Indicator | Date Changed (Month Day Year) |
|---|---|---|---|
| 5 0 5 - 6 6 7 - 5 0 6 1 | F | Yes [ ] No [X] | |

**VIII. Facility Owner (see instructions)**

| A. Name of Facility's Legal Owner |
|---|
| U S D E P A R T M E N T O F E N E R G Y |

| Street or P.O. Box |
|---|
| 5 2 8 3 5 T H S T R E E T |

| City or Town | State | ZIP Code |
|---|---|---|
| L O S A L A M O S | N M | 8 7 5 4 4 - |

| Phone Number (area code and number) | B. Owner Type | C. Change of Owner Indicator | Date Changed (Month Day Year) |
|---|---|---|---|
| 5 0 5 - 6 6 7 - 5 0 6 1 | F | Yes [ ] No [X] | |

**IX. SIC Codes (4-digit, in order of significance)**

| Primary | | Secondary | |
|---|---|---|---|
| 9 7 1 1 | (description) NATIONAL SECURITY | | (description) |
| **Secondary** | | **Secondary** | |
| | (description) | | (description) |

**X. Other Environmental Permits (see instructions)**

| A. Permit Type (enter code) | B. Permit Number | C. Description |
|---|---|---|
| N | N M R 0 0 A 3 8 4 | NPDES Storm Water General Permit |
| N | N M 0 0 2 8 3 5 5 | NPDES |
| N | N M 0 0 2 8 5 7 6 | NPDES (Fenton Hill Geothermal Site) |
| R | N M 0 8 9 0 0 1 0 5 1 5 1 | RCRA (Hazardous Waste Permit) |
| | | RAD. NESHAPs Preconstr. Approvals: |
| E | | Low-Level Waste/Mixed Waste Incin. |
| E | | Dual Axis Radiographic Hydrotest Fac. |
| E | | Ground Test Accelerator |
| E | | Independent Management Activity |

EPA I.D. Number
NM0890010515

| X. Other Environmental Permits *(continued)* | | |
|---|---|---|
| **A. Permit Type** | **B. Permit Number** | **C. Description** |
| | | RAD. NESHAPS PRECONSTRUCTION APPROVALS (Cont'd) |
| E | | Facilitywide Application for Existent Emissions |
| E | | TA-21, D&D Activity |
| E | | TA-50, Bldg. 83 - Mobile Decontamination Trailer |
| E | | TA-54, TRU Retrieval Domes |
| | | STATE AIR QUALITY PERMITS: |
| E | AQCR 301 | Open Burning |
| E | | TA-11 Fuel Fire Burn |
| E | | TA-36 HE-Contaminated Wood Burning |
| E | | TA-14 HE-Contaminated Material Burning |
| E | | TA-16 HE-Contaminated Material Burning |
| E | | TA-33 & TA-39 LIDAR Test Burning |
| E | AQCR 702 | Beryllium Machining |
| E | #632 | TA-35, Bldg. 213, Beryllium Machining Emissions |
| E | #634-M-1 | TA-3, Bldg. 141, Beryllium Processing Emissions |
| E | #635 | TA-3, Bldg. 39, Beryllium Machining Emissions |
| E | #741 | TA-3, Bldg. 35, Planned Beryllium Machining Emissions |
| E | #1081-M-1 | TA-55, Bldg. 4, Beryllium Machining Emissions |
| | | STATE SEPTIC TANK PERMITS: |
| E | LA-01 | State Septic Tank Permit |
| E | LA-02 | State Septic Tank Permit |
| E | LA-03 | State Septic Tank Permit |
| E | LA-04 | State Septic Tank Permit |

EPA I.D. Number
NM0890010515

| X. Other Environmental Permits *(continued)* | | |
|---|---|---|
| **A. Permit Type** | **B. Permit Number** | **C. Description** |
| E | LA-05 | State Septic Tank Permit |
| E | LA-06 | State Septic Tank Permit |
| E | LA-07 | State Septic Tank Permit |
| E | LA-08 | State Septic Tank Permit |
| E | LA-09 | State Septic Tank Permit |
| E | LA-11 | State Septic Tank Permit |
| E | LA-12 | State Septic Tank Permit |
| E | LA-13 | State Septic Tank Permit |
| E | LA-14 | State Septic Tank Permit |
| E | LA-15 | State Septic Tank Permit |
| E | LA-16 | State Septic Tank Permit |
| E | LA-17 | State Septic Tank Permit |
| E | LA-18 | State Septic Tank Permit |
| E | LA-19 | State Septic Tank Permit |
| E | LA-21 | State Septic Tank Permit |
| E | LA-22 | State Septic Tank Permit |
| E | LA-23 | State Septic Tank Permit |
| E | LA-24 | State Septic Tank Permit |
| E | LA-25 | State Septic Tank Permit |
| E | LA-26 | State Septic Tank Permit |
| E | LA-27 | State Septic Tank Permit |
| E | LA-28 | State Septic Tank Permit |
| E | LA-29 | State Septic Tank Permit |
| E | LA-30 | State Septic Tank Permit |

X. Other Environmental Permits *(continued)*

| A. Permit Type | B. Permit Number | C. Description |
|---|---|---|
| E | LA-31 | State Septic Tank Permit |
| E | LA-32 | State Septic Tank Permit |
| E | LA-33 | State Septic Tank Permit |
| E | LA-34 | State Septic Tank Permit |
| E | LA-35 | State Septic Tank Permit |
| E | LA-36 | State Septic Tank Permit |
| E | LA-37 | State Septic Tank Permit |
| E | LA-38 | State Septic Tank Permit |
| E | LA-39 | State Septic Tank Permit |
| E | LA-42 | State Septic Tank Permit |
| E | LA-43 | State Septic Tank Permit |
| E | LA-44 | State Septic Tank Permit |
| E | LA-45 | State Septic Tank Permit |
| E | LA-46 | State Septic Tank Permit |
| E | LA-47 | State Septic Tank Permit |
| E | LA-48 | State Septic Tank Permit |
| E | LA-49 | State Septic Tank Permit |
| E | LA-50 | State Septic Tank Permit |
| E | LA-51 | State Septic Tank Permit |
| E | LA-52 | State Septic Tank Permit |
| E | LA-53 | State Septic Tank Permit |
| E | LA-54 | State Septic Tank Permit |
| E | LA-55 | State Septic Tank Permit |
| E | LA-56 | State Septic Tank Permit |

X. Other Environmental Permits *(continued)*

| A. Permit Type | B. Permit Number | C. Description |
|---|---|---|
| E | LA-57 | State Septic Tank Permit |
| E | LA-58 | State Septic Tank Permit |
| E | LA-59 | State Septic Tank Permit |
| E | LA-60 | State Septic Tank Permit |
| E | LA-61 | State Septic Tank Permit |
| E | LA-124 | State Septic Tank Permit |
| E | SF880257 | State Septic Tank Permit |
| E | SF880258 | State Septic Tank Permit |
| E | SF880259 | State Septic Tank Permit |
| E | SF880260 | State Septic Tank Permit |
| E | SF880261 | State Septic Tank Permit |
| E | SF890023 | State Septic Tank Permit |
| E | SF890024 | State Septic Tank Permit |
| E | SF890025 | State Septic Tank Permit |
| E | SF89031R | State Septic Tank Permit |
| E | SF89032R | State Septic Tank Permit |
| E | SF89033R | State Septic Tank Permit |
| E | SF89034R | State Septic Tank Permit |
| E | SF89035R | State Septic Tank Permit |
| E | SF89036R | State Septic Tank Permit |
| E | SF890588 | State Septic Tank Permit |
| E | SF890589 | State Septic Tank Permit |
| E | SF890590 | State Septic Tank Permit |
| E | SF900022 | State Septic Tank Permit |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | M | 0 | 8 | 9 | 0 | 0 | 1 | 0 | 5 | 1 | 5 | | | | | | | | | | | | |

## XI. Nature of Business (provide a brief description)

The principal mission of LANL includes the research, design, development, and analysis of weapons components for the nation's nuclear arsenal. This effort is supported by research programs such as nuclear physics, hydrodynamics, conventional explosives, chemistry, metallurgy, radiochemistry, and biology. In addition to its defense program efforts, LANL supports energy research and environmental missions with programs including medium-energy physics; space nuclear systems; controlled thermonuclear fusion; laser research; environmental research; geothermal, solar, and fossil energy research; nuclear safeguards; biomedical research; and space physics. In 1992, LANL expanded its mission in support of environmental management to include development of new programs in the areas of health and biotechnology, environmental technologies, and industrial partnerships.

## XII. Process - Codes and Design Capacities

**A. PROCESS CODE** – *Enter the code from the list of process codes below that best describes each process to be used at the facility. Twelve lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided in Item XIII.*

**B. PROCESS DESIGN CAPACITY** – *For each code entered in column A, enter the capacity of the process.*

1. **AMOUNT** – *Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process unit.*
2. **UNIT OF MEASURE** – *For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.*

**C. PROCESS TOTAL NUMBER OF UNITS** – *Enter the total number of units used with the corresponding process code.*

| PROCESS CODE | PROCESS | APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY |
|---|---|---|
| | DISPOSAL: | |
| D79 | INJECTION WELL | GALLONS; LITERS; GALLONS PER DAY; OR LITERS PER DAY |
| D80 | LANDFILL | ACRE-FEET OR HECTARE-METER |
| D81 | LAND APPLICATION | ACRES OR HECTARES |
| D82 | OCEAN DISPOSAL | GALLONS PER DAY OR LITERS PER DAY |
| D83 | SURFACE IMPOUNDMENT | GALLONS OR LITERS |
| | STORAGE: | |
| S01 | CONTAINER (barrel, drum, etc.) | GALLONS OR LITERS |
| S02 | TANK | GALLONS OR LITERS |
| S03 | WASTE PILE | CUBIC YARDS OR CUBIC METERS |
| S04 | SURFACE IMPOUNDMENT | GALLONS OR LITERS |
| | TREATMENT: | |
| T01 | TANK | GALLONS PER DAY OR LITERS PER DAY |
| T02 | SURFACE IMPOUNDMENT | GALLONS PER DAY OR LITERS PER DAY |
| T03 | INCINERATOR | SHORT TONS PER HOUR; METRIC TONS PER HOUR; GALLONS PER HOUR; LITERS PER HOUR; OR BTU'S PER HOUR |
| T04 | OTHER TREATMENT (Use for physical, chemical, thermal or biolgical treatment processes not occurring in tanks, surface impoundment or incinerators. Describe the processes in the space provided in Item XIII.) | GALLONS PER DAY; LITERS PER DAY; POUNDS PER HOUR; SHORT TONS PER HOUR; KILOGRAMS PER HOUR; METRIC TONS PER DAY; METRIC TONS PER HOUR; OR SHORT TONS PER DAY |

| UNIT OF MEASURE | UNIT OF MEASURE CODE |
|---|---|
| GALLONS | G |
| GALLONS PER HOUR | E |
| GALLONS PER DAY | U |
| LITERS | L |
| LITERS PER HOUR | H |
| LITERS PER DAY | V |
| SHORT TONS PER HOUR | D |
| METRIC TONS PER HOUR | W |
| SHORT TONS PER DAY | N |
| METRIC TONS PER DAY | S |
| POUNDS PER HOUR | J |
| KILOGRAMS PER HOUR | R |
| CUBIC YARDS | Y |
| CUBIC METERS | C |
| ACRES | B |
| ACRE-FEET | A |
| HECTARES | Q |
| HECTARE-METER | F |
| BTU's PER HOUR | K |

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|---|---|
| N M 0 8 9 0 0 1 0 5 1 5 | |

## XII. Process – Codes and Design Capacities (continued)

*EXAMPLE FOR COMPLETING ITEM XII (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.*

| Line Number | | A. PROCESS CODE (from list above) | | | B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify) | B. 2. UNIT OF MEASURE (enter code) | C. PROCESS TOTAL NUMBER OF UNITS | | | FOR OFFICIAL USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|
| X | 1 | S | 0 | 2 | 600 | G | 0 | 0 | 2 | |
| X | 2 | T | 0 | 3 | 20 | E | 0 | 0 | 1 | |
| | 1 | S | 0 | 1 | 211,090 | G | 0 | 1 | 3 | |
| | 2 | S | 0 | 2 | 460 | G | 0 | 0 | 6 | |
| | 3 | | | | | | | | | |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| 1 | 0 | | | | | | | | | |
| 1 | 1 | | | | | | | | | |
| 1 | 2 | | | | | | | | | |

*NOTE: If you need to list more than 12 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines the number used for additional treatment processes in Item XIII.*

## XIII. Additional Treatment Processes (follow instructions from Item XII)

| Line Number (enter numbers in sequence with Item XII) | | A. PROCESS CODE | | | B. TREATMENT PROCESS DESIGN CAPACITY 1. AMOUNT (specify) | B. 2. UNIT OF MEASURE (enter code) | C. PROCESS TOTAL NUMBER OF UNITS | | | D. DESCRIPTION OF PROCESS |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3 | T | 0 | 4 | 165 | U | 0 | 0 | 1 | Cementation unit located in TA-55-4-401 and used to solidify (i.e., cement) process wastes. The wastes are cemented in 55-gallon drums. |
| 0 | 4 | T | 0 | 4 | 0.26 | J | 0 | 0 | 1 | Unit included here is an oxygen sparging unit at TA-55-4 used in the treatment of waste ignitable/reactive salts; this unit will be closed pursuant to 20 NMAC 4.1, Subpart VI, revised November 1, 1995. |
| | | T | 0 | 4 | | | | | | |
| | | T | 0 | 4 | | | | | | |

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|---|---|
| N M 0 8 9 0 0 1 0 5 1 5 | |

## XIV. Description of Hazardous Wastes

**A. EPA HAZARDOUS WASTE NUMBER** - *Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR, Part 261 Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.*

**B. ESTIMATED ANNUAL QUANTITY** - *For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.*

**C. UNIT OF MEASURE** - *For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:*

| ENGLISH UNIT OF MEASURE | CODE | METRIC UNIT OF MEASURE | CODE |
|---|---|---|---|
| POUNDS | P | KILOGRAMS | K |
| TONS | T | METRIC TONS | M |

*If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.*

**D. PROCESSES**

1. **PROCESS CODES:**

*For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.*

*For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that processes that characteristic or toxic contaminant.*

*NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:*

1. *Enter the first two as described above.*
2. *Enter "000" in the extreme right box of Item XIV-D(I).*
3. *Enter in the space provided on page 7, Item XIV-E, the line number and the additional code(s).*

2. **PROCESS DESCRIPTION :** *If a code is not listed for a process that will be used, describe the process in the space provided on the form (D.(2)).*

*NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER- Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:*

1. *Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.*
2. *In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.*
3. *Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.*

*EXAMPLE FOR COMPLETING ITEM XIV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.*

| Line Number | | A. EPA HAZARD WASTE NO. (enter code) | | | | B. ESTIMATED ANNUAL QUANTITY OF WASTE | C. UNIT OF MEASURE (enter code) | D. PROCESS (1) PROCESS CODES (enter) | | | | | | | | | D. PROCESS (2) PROCESS DESCRIPTION (If a code is not entered in D(1)) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| X | 1 | K | 0 | 5 | 4 | 900 | P | T | 0 | 3 | D | 8 | 0 | | | | |
| X | 2 | D | 0 | 0 | 2 | 400 | P | T | 0 | 3 | D | 8 | 0 | | | | |
| X | 3 | D | 0 | 0 | 1 | 100 | P | T | 0 | 3 | D | 8 | 0 | | | | |
| X | 4 | D | 0 | 0 | 2 | | | | | | | | | | | | Included With Above |

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XIV. Description of Hazardous Wastes (Continued)

| Line Number | A. EPA Hazardous Waste No. (enter code) | B. Estimated Annual Quantity of Waste | C. Unit of Measure (enter code) | D. Processes (1) Process Codes (enter) | | | D. Processes (2) Process Description (If a code is not entered in D[1]) |
|---|---|---|---|---|---|---|---|
| 1 | D001 | 25,000 | P | S01 | | | Low-Level Mixed Waste (LLMW) and Transuranic Mixed Waste (TRUMW) |
| 2 | D002 | 70,000 | P | S01 | S02 | T04 | LLMW and TRUMW |
| 3 | D003 | 20,000 | P | S01 | | | LLMW and TRUMW |
| 4 | D004 | 2,000 | P | S01 | S02 | T04 | LLMW and TRUMW |
| 5 | D005 | 5,000 | P | S01 | S02 | T04 | LLMW and TRUMW |
| 6 | D006 | 200,000 | P | S01 | S02 | T04 | LLMW and TRUMW |
| 7 | D007 | 300,000 | P | S01 | S02 | T04 | LLMW and TRUMW |
| 8 | D008 | 400,000 | P | S01 | S02 | T04 | LLMW and TRUMW |
| 9 | D009 | 10,000 | P | S01 | S02 | T04 | LLMW and TRUMW |
| 10 | D010 | 1,000 | P | S01 | S02 | T04 | LLMW and TRUMW |
| 11 | D011 | 5,000 | P | S01 | S02 | T04 | LLMW and TRUMW |
| 12 | D018 | 2,000 | P | S01 | | T04 | LLMW and TRUMW |
| 13 | D019 | 2,000 | P | S01 | | T04 | LLMW and TRUMW |
| 14 | D021 | 2,000 | P | S01 | | T04 | LLMW and TRUMW |
| 15 | D022 | 500 | P | S01 | | T04 | LLMW and TRUMW |
| 16 | D027 | 500 | P | S01 | | T04 | LLMW and TRUMW |
| 17 | D028 | 1,000 | P | S01 | | T04 | LLMW and TRUMW |
| 18 | D030 | 500 | P | S01 | | T04 | LLMW and TRUMW |
| 19 | D032 | 500 | P | S01 | | T04 | LLMW and TRUMW |
| 20 | D033 | 500 | P | S01 | | T04 | LLMW and TRUMW |
| 21 | D034 | 500 | P | S01 | | T04 | LLMW and TRUMW |
| 22 | D035 | 5,000 | P | S01 | | T04 | LLMW and TRUMW |
| 23 | D036 | 500 | P | S01 | | T04 | LLMW and TRUMW |
| 24 | D038 | 500 | P | S01 | | T04 | LLMW and TRUMW |
| 25 | D039 | 5,000 | P | S01 | | T04 | LLMW and TRUMW |
| 26 | D040 | 5,000 | P | S01 | | T04 | LLMW and TRUMW |
| 27 | D042 | 500 | P | S01 | | T04 | LLMW and TRUMW |
| 28 | D043 | 500 | P | S01 | | T04 | LLMW and TRUMW |
| 29 | F001 | 50,000 | P | S01 | | T04 | LLMW and TRUMW |
| 30 | F002 | 50,000 | P | S01 | | T04 | LLMW and TRUMW |
| 31 | F003 | 50,000 | P | S01 | | T04 | LLMW and TRUMW |
| 32 | F005 | 50,000 | P | S01 | | T04 | LLMW and TRUMW |

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XIV. Description of Hazardous Wastes (Continued)

| Line Number | A. EPA Hazardous Waste No. (enter code) | B. Estimated Annual Quantity of Waste | C. Unit of Measure (enter code) | D. Processes (1) Process Codes (enter) | | | D. Processes (2) Process Description (If a code is not entered in D[1]) |
|---|---|---|---|---|---|---|---|
| 33 | P003 | 500 | P | S01 | | | LLMW and TRUMW |
| 34 | P012 | 500 | P | S01 | | | LLMW AND TRUMW |
| 35 | P015 | 2,000 | P | S01 | | | LLMW and TRUMW |
| 36 | P029 | 500 | P | S01 | | | LLMW and TRUMW |
| 37 | P030 | 500 | P | S01 | | | LLMW and TRUMW |
| 38 | P031 | 500 | P | S01 | | | LLMW and TRUMW |
| 39 | P038 | 500 | P | S01 | | | LLMW and TRUMW |
| 40 | P056 | 1,000 | P | S01 | | | LLMW and TRUMW |
| 41 | P063 | 500 | P | S01 | | | LLMW and TRUMW |
| 42 | P068 | 500 | P | S01 | | | LLMW and TRUMW |
| 43 | P073 | 500 | P | S01 | | | LLMW and TRUMW |
| 44 | P076 | 500 | P | S01 | | | LLMW and TRUMW |
| 45 | P078 | 500 | P | S01 | | | LLMW and TRUMW |
| 46 | P095 | 500 | P | S01 | | | LLMW and TRUMW |
| 47 | P096 | 500 | P | S01 | | | LLMW and TRUMW |
| 48 | P098 | 500 | P | S01 | | | LLMW and TRUMW |
| 49 | P106 | 500 | P | S01 | | | LLMW and TRUMW |
| 50 | P113 | 500 | P | S01 | | | LLMW and TRUMW |
| 51 | P120 | 500 | P | S01 | | | LLMW and TRUMW |
| 52 | U001 | 1,000 | P | S01 | | | LLMW and TRUMW |
| 53 | U002 | 500 | P | S01 | | | LLMW and TRUMW |
| 54 | U003 | 500 | P | S01 | | | LLMW and TRUMW |
| 55 | U012 | 500 | P | S01 | | | LLMW and TRUMW |
| 56 | U019 | 1,000 | P | S01 | | | LLMW and TRUMW |
| 57 | U022 | 500 | P | S01 | | | LLMW and TRUMW |
| 58 | U029 | 500 | P | S01 | | | LLMW and TRUMW |
| 59 | U031 | 500 | P | S01 | | | LLMW and TRUMW |
| 60 | U037 | 500 | P | S01 | | | LLMW and TRUMW |
| 61 | U044 | 500 | P | S01 | | | LLMW and TRUMW |
| 62 | U045 | 500 | P | S01 | | | LLMW and TRUMW |
| 63 | U052 | 500 | P | S01 | | | LLMW and TRUMW |
| 64 | U056 | 500 | P | S01 | | | LLMW and TRUMW |
| 65 | U057 | 500 | P | S01 | | | LLMW and TRUMW |

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XIV. Description of Hazardous Wastes (Continued)

| Line Number | A. EPA Hazardous Waste No. (enter code) | B. Estimated Annual Quantity of Waste | C. Unit of Measure (enter code) | D. Processes (1) Process Codes (enter) | | | D. Processes (2) Process Description (If a code is not entered in D(1)) |
|---|---|---|---|---|---|---|---|
| 66 | U075 | 500 | P | S01 | | | LLMW and TRUMW |
| 67 | U077 | 500 | P | S01 | | | LLMW and TRUMW |
| 68 | U080 | 2,000 | P | S01 | | | LLMW and TRUMW |
| 69 | U108 | 500 | P | S01 | | | LLMW and TRUMW |
| 70 | U112 | 500 | P | S01 | | | LLMW and TRUMW |
| 71 | U115 | 500 | P | S01 | | | LLMW and TRUMW |
| 72 | U117 | 500 | P | S01 | | | LLMW and TRUMW |
| 73 | U121 | 500 | P | S01 | | | LLMW and TRUMW |
| 74 | U122 | 500 | P | S01 | | | LLMW and TRUMW |
| 75 | U123 | 500 | P | S01 | | | LLMW and TRUMW |
| 76 | U131 | 500 | P | S01 | | | LLMW and TRUMW |
| 77 | U133 | 500 | P | S01 | | | LLMW and TRUMW |
| 78 | U134 | 2,000 | P | S01 | | | LLMW and TRUMW |
| 79 | U135 | 500 | P | S01 | | | LLMW and TRUMW |
| 80 | U140 | 500 | P | S01 | | | LLMW and TRUMW |
| 81 | U144 | 500 | P | S01 | | | LLMW and TRUMW |
| 82 | U151 | 2,000 | P | S01 | | | LLMW and TRUMW |
| 83 | U154 | 2,000 | P | S01 | | | LLMW and TRUMW |
| 84 | U159 | 2,000 | P | S01 | | | LLMW and TRUMW |
| 85 | U160 | 500 | P | S01 | | | LLMW and TRUMW |
| 86 | U161 | 500 | P | S01 | | | LLMW and TRUMW |
| 87 | U165 | 500 | P | S01 | | | LLMW and TRUMW |
| 88 | U169 | 500 | P | S01 | | | LLMW and TRUMW |
| 89 | U188 | 500 | P | S01 | | | LLMW and TRUMW |
| 90 | U190 | 500 | P | S01 | | | LLMW and TRUMW |
| 91 | U196 | 500 | P | S01 | | | LLMW and TRUMW |
| 92 | U204 | 500 | P | S01 | | | LLMW and TRUMW |
| 93 | U210 | 2,000 | P | S01 | | | LLMW and TRUMW |
| 94 | U211 | 2,000 | P | S01 | | | LLMW and TRUMW |
| 95 | U213 | 500 | P | S01 | | | LLMW and TRUMW |
| 96 | U216 | 500 | P | S01 | | | LLMW and TRUMW |
| 97 | U218 | 500 | P | S01 | | | LLMW and TRUMW |
| 98 | U219 | 500 | P | S01 | | | LLMW and TRUMW |

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XIV. Description of Hazardous Wastes (Continued)

| Line Number | A. EPA Hazardous Waste No. (enter code) | B. Estimated Annual Quantity of Waste | C. Unit of Measure (enter code) | D. Processes (1) Process Codes (enter) | | | D. Processes (2) Process Description (If a code is not entered in D(1)) |
|---|---|---|---|---|---|---|---|
| 99 | U220 | 2,000 | P | S01 | | | LLMW and TRUMW |
| 100 | U225 | 500 | P | S01 | | | LLMW and TRUMW |
| 101 | U226 | 2,000 | P | S01 | | | LLMW and TRUMW |
| 102 | U227 | 500 | P | S01 | | | LLMW and TRUMW |
| 103 | U228 | 500 | P | S01 | | | LLMW and TRUMW |
| 104 | U239 | 500 | P | S01 | | | LLMW and TRUMW |
| 105 | U246 | 500 | P | S01 | | | LLMW and TRUMW |
| 106 | D001 | 25,000 | P | S01 | | | Hazardous Waste (HW) |
| 107 | D002 | 10,000 | P | S01 | | | HW |
| 108 | D003 | 2,000 | P | S01 | | | HW |
| 109 | D004 | 1,000 | P | S01 | | | HW |
| 110 | D005 | 1,000 | P | S01 | | | HW |
| 111 | D006 | 500 | P | S01 | | | HW |
| 112 | D007 | 5,000 | P | S01 | | | HW |
| 113 | D008 | 100,000 | P | S01 | | | HW |
| 114 | D009 | 6,000 | P | S01 | | | HW |
| 115 | D010 | 500 | P | S01 | | | HW |
| 116 | D011 | 1,000 | P | S01 | | | HW |
| 117 | D018 | 500 | P | S01 | | | HW |
| 118 | D019 | 500 | P | S01 | | | HW |
| 119 | D021 | 500 | P | S01 | | | HW |
| 120 | D022 | 500 | P | S01 | | | HW |
| 121 | D027 | 500 | P | S01 | | | HW |
| 122 | D028 | 500 | P | S01 | | | HW |
| 123 | D030 | 500 | P | S01 | | | HW |
| 124 | D032 | 500 | P | S01 | | | HW |
| 125 | D033 | 500 | P | S01 | | | HW |
| 126 | D034 | 500 | P | S01 | | | HW |
| 127 | D035 | 2,000 | P | S01 | | | HW |
| 128 | D036 | 500 | P | S01 | | | HW |
| 129 | D038 | 500 | P | S01 | | | HW |
| 130 | D039 | 1,000 | P | S01 | | | HW |
| 131 | D040 | 1,000 | P | S01 | | | HW |

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## XIV. Description of Hazardous Wastes (Continued)

| Line Number | A. EPA Hazardous Waste No. (enter code) | B. Estimated Annual Quantity of Waste | C. Unit of Measure (enter code) | D. Processes (1) Process Codes (enter) | | | D. Processes (2) Process Description (If a code is not entered in D[1]) |
|---|---|---|---|---|---|---|---|
| 132 | D042 | 500 | P | S01 | | | HW |
| 133 | D043 | 500 | P | S01 | | | HW |
| 134 | F001 | 10,000 | P | S01 | | | HW |
| 135 | F002 | 10,000 | P | S01 | | | HW |
| 136 | F003 | 10,000 | P | S01 | | | HW |
| 137 | F005 | 10,000 | P | S01 | | | HW |
| 138 | P003 | 500 | P | S01 | | | HW |
| 139 | P012 | 500 | P | S01 | | | HW |
| 140 | P015 | 2,000 | P | S01 | | | HW |
| 141 | P029 | 500 | P | S01 | | | HW |
| 142 | P030 | 500 | P | S01 | | | HW |
| 143 | P031 | 500 | P | S01 | | | HW |
| 144 | P038 | 500 | P | S01 | | | HW |
| 145 | P056 | 1,000 | P | S01 | | | HW |
| 146 | P063 | 500 | P | S01 | | | HW |
| 147 | P068 | 500 | P | S01 | | | HW |
| 148 | P073 | 500 | P | S01 | | | HW |
| 149 | P076 | 500 | P | S01 | | | HW |
| 150 | P078 | 500 | P | S01 | | | HW |
| 151 | P095 | 500 | P | S01 | | | HW |
| 152 | P096 | 500 | P | S01 | | | HW |
| 153 | P098 | 500 | P | S01 | | | HW |
| 154 | P106 | 500 | P | S01 | | | HW |
| 155 | P113 | 500 | P | S01 | | | HW |
| 156 | P120 | 500 | P | S01 | | | HW |
| 157 | U001 | 1,000 | P | S01 | | | HW |
| 158 | U002 | 500 | P | S01 | | | HW |
| 159 | U003 | 500 | P | S01 | | | HW |
| 160 | U012 | 500 | P | S01 | | | HW |
| 161 | U019 | 1,000 | P | S01 | | | HW |
| 162 | U022 | 500 | P | S01 | | | HW |
| 163 | U029 | 500 | P | S01 | | | HW |
| 164 | U031 | 500 | P | S01 | | | HW |

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XIV. Description of Hazardous Wastes (Continued)

| Line Number | A. EPA Hazardous Waste No. (enter code) | B. Estimated Annual Quantity of Waste | C. Unit of Measure (enter code) | D. Processes (1) Process Codes (enter) | | | D. Processes (2) Process Description (If a code is not entered in D(1)) |
|---|---|---|---|---|---|---|---|
| 165 | U037 | 500 | P | S01 | | | HW |
| 166 | U044 | 500 | P | S01 | | | HW |
| 167 | U045 | 500 | P | S01 | | | HW |
| 168 | U052 | 500 | P | S01 | | | HW |
| 169 | U056 | 500 | P | S01 | | | HW |
| 170 | U057 | 500 | P | S01 | | | HW |
| 171 | U075 | 500 | P | S01 | | | HW |
| 172 | U077 | 500 | P | S01 | | | HW |
| 173 | U080 | 2,000 | P | S01 | | | HW |
| 174 | U108 | 500 | P | S01 | | | HW |
| 175 | U112 | 500 | P | S01 | | | HW |
| 176 | U115 | 500 | P | S01 | | | HW |
| 177 | U117 | 500 | P | S01 | | | HW |
| 178 | U121 | 500 | P | S01 | | | HW |
| 179 | U122 | 500 | P | S01 | | | HW |
| 180 | U123 | 500 | P | S01 | | | HW |
| 181 | U131 | 500 | P | S01 | | | HW |
| 182 | U133 | 500 | P | S01 | | | HW |
| 183 | U134 | 2,000 | P | S01 | | | HW |
| 184 | U135 | 500 | P | S01 | | | HW |
| 185 | U140 | 500 | P | S01 | | | HW |
| 186 | U144 | 500 | P | S01 | | | HW |
| 187 | U151 | 2,000 | P | S01 | | | HW |
| 188 | U154 | 2,000 | P | S01 | | | HW |
| 189 | U159 | 2,000 | P | S01 | | | HW |
| 190 | U160 | 500 | P | S01 | | | HW |
| 191 | U161 | 500 | P | S01 | | | HW |
| 192 | U165 | 500 | P | S01 | | | HW |
| 193 | U169 | 500 | P | S01 | | | HW |
| 194 | U188 | 500 | P | S01 | | | HW |
| 195 | U190 | 500 | P | S01 | | | HW |
| 196 | U196 | 500 | P | S01 | | | HW |
| 197 | U204 | 500 | P | S01 | | | HW |

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XIV. Description of Hazardous Wastes (Continued)

| Line Number | A. EPA Hazardous Waste No. (enter code) | B. Estimated Annual Quantity of Waste | C. Unit of Measure (enter code) | D. Processes (1) Process Codes (enter) | | | D. Processes (2) Process Description (If a code is not entered in D(1)) |
|---|---|---|---|---|---|---|---|
| 198 | U210 | 2,000 | P | S01 | | | HW |
| 199 | U211 | 2,000 | P | S01 | | | HW |
| 200 | U213 | 500 | P | S01 | | | HW |
| 201 | U216 | 500 | P | S01 | | | HW |
| 202 | U218 | 500 | P | S01 | | | HW |
| 203 | U219 | 500 | P | S01 | | | HW |
| 204 | U220 | 2,000 | P | S01 | | | HW |
| 205 | U225 | 500 | P | S01 | | | HW |
| 206 | U226 | 2,000 | P | S01 | | | HW |
| 207 | U227 | 500 | P | S01 | | | HW |
| 208 | U228 | 500 | P | S01 | | | HW |
| 209 | U239 | 500 | P | S01 | | | HW |
| 210 | U246 | 500 | P | S01 | | | HW |

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | M | 0 | 8 | 9 | 0 | 0 | 1 | 0 | 5 | 1 | 5 | | | | | | | | | | | | |

## XIV. Description of Hazardous Waste (continued)

**E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 6.**

| Line Number | Additional Process Codes (enter) |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |

## XV. Map

*Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.*

## XVI. Facility Drawing

*All existing facilities must include a scale drawing of the facility (see instructions for more detail).*

## XVII. Photographs

*All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).*

## XVIII. Certification(s)

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

| Owner Signature | Date Signed |
|---|---|
| | 6/27/96 |

Name and Official Title *(type or print)*
G. THOMAS TODD, AREA MANAGER, DOE LAAO

| Operator Signature | Date Signed |
|---|---|
| | 6-27-96 |

Name and Official Title *(type or print)*
G. THOMAS TODD, AREA MANAGER, DOE LAAO/DENNIS J. ERICKSON, DIVISION DIRECTOR, LANL ES&H DIV.

## XIX. Comments

*Note: Mail completed form to the appropriate EPA Regional or State Office. (refer to instructions for more information)*

# ATTACHMENT 1

# EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITIES FOR HAZARDOUS AND MIXED WASTE UNITS AT TECHNICAL AREA (TA) 55

# EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITIES FOR HAZARDOUS AND MIXED WASTE UNITS AT TECHNICAL AREA (TA) 55

## Line 1 S01 Container Storage

| Description | Capacity (gallons) | SWMU[a] No. | Associated Structure No./Area |
|---|---|---|---|
| **TA-55:** | | | |
| Container storage areas for hazardous waste, TRU mixed waste, and low-level mixed waste (Areas 1, 2, and 3) ~~Container storage areas for TRU mixed waste (Areas 1, 2, and 3)~~ | 27,500[b] | TBD[c] | TA-55-4, Basement |
| Container storage area for hazardous waste, TRU mixed waste, and low-level mixed waste (Area 4) ~~Container storage area for hazardous waste and low-level mixed waste (Area 4)~~ | 3,400 | TBD | TA-55-4, Basement |
| Container storage area for hazardous waste, TRU mixed waste, and low-level mixed waste (Area 5) ~~Container storage area for oversized mixed waste (Area 5)~~ | 3,400 | TBD | TA-55-4, Basement |
| Container storage area for TRU mixed waste (Area 6) ~~Container storage area for mixed waste in vault (Area 6)~~ | 4,000 | TBD | TA-55-4, Basement |
| Container storage area for hazardous waste, TRU mixed waste, and low-level mixed waste (Area 7) ~~Container storage area for hazardous and mixed waste (Area 7)~~ | 4,400 | TBD | TA-55-4, North end, Basement |
| Container storage area for TRU mixed waste and low-level mixed waste (Area 8) ~~Container storage area for mixed waste (Area 8)~~ | 660 | TBD | TA-55-4-401 |
| Container storage area for TRU mixed waste and low-level mixed waste (Area 9) ~~Container storage area for mixed waste (Area 9)~~ | 280 | TBD | TA-55-4-401 |
| ~~Container storage area for mixed waste (Area 10)~~ | ~~50~~ | ~~55-004~~ | ~~TA-55-4-401~~ |

# EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITIES FOR HAZARDOUS AND MIXED WASTE UNITS AT TECHNICAL AREA (TA) 55 (Continued)

**Line 1 S01 Container Storage**

| Description | Capacity (gallons) | SWMU[a] No. | Associated Structure No./Area |
|---|---|---|---|
| Container storage area for TRU mixed waste and low-level mixed waste (Area 10) ~~Container storage area for mixed waste (Area 11)~~ | 550 | TBD | TA-55-4-433 |
| Container storage area for TRU mixed waste (Area 11) ~~Container storage area for mixed waste (Area 12)~~ | 4,400 | TBD | TA-55-4-432 |
| Container storage pad for hazardous waste, TRU mixed waste, and low-level mixed waste ~~Container storage pad for hazardous and mixed waste~~ | 135,000 | TBD | Near TA-55-4 |
| Container storage area for hazardous waste, TRU mixed waste, and low-level mixed waste (Building 185) ~~Container storage area for hazardous and mixed waste (Building 185)~~ | 27,500 | TBD | TA-55-185 |
| **TOTAL S01** | **211,090** ~~**211,140**~~ | | |

# EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITIES FOR HAZARDOUS AND MIXED WASTE UNITS AT TECHNICAL AREA (TA) 55 (Continued)

**Line 2 S02 Tank Storage**

| Description | Capacity (gallons) | SWMU[a] No. | Associated Structure No./Area |
|---|---|---|---|
| **TA-55-4 (Room 401):** | | | |
| Evaporator glovebox storage tank system; Cementation unit storage tank system ~~13 mixed waste storage tanks for evaporator bottoms solution~~ | 460[d] ~~410~~ | 55-004, 55-001 | TA-55-4-401 |
| **TOTAL S02** | **460** ~~**410**~~ | | |

# EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITIES FOR HAZARDOUS AND MIXED WASTE UNITS AT TECHNICAL AREA (TA) 55 (Continued)

**Line 3 T04 Treatment - Solidification**

| Description | Capacity (gallons per day) | SWMU[a] No. | Associated Structure No./Area |
|---|---|---|---|
| **TA-55-4 (Room 401):** | | | |
| Cementation unit for TRU mixed waste<br>~~Cementing process for mixed waste~~ | 165 | 55-001 | TA-55-4-401 |
| **TOTAL T04 (Treatment-Solidification)** | **165** | | |

# EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITIES FOR HAZARDOUS AND MIXED WASTE UNITS AT TECHNICAL AREA (TA) 55 (Continued)

**Line 4 T04 Treatment - Other**

| Description | Capacity (pounds per hour) | SWMU[a] No. | Associated Structure No./Area |
|---|---|---|---|
| **TA-55-4 (Room 429):** | | | |
| Oxygen sparging unit for ignitable/reactive salt[e] | 0.26 | TBD | TA-55-4-429 |
| ~~Oxygen sparging furnace for pyrophoric salt~~ | | | |
| **TOTAL T04 (Treatment - Other)** | **0.26** | | |

Explanation of Symbols/Abbreviations

[a] SWMU = solid waste management unit.
[b] Total combined capacity for Areas 1, 2, and 3.
TBD = SWMU No. to be determined.
Total combined capacity for both storage tank systems.
[e] Unit to be closed under 20 NMAC 4.1, Subpart VI, requirements.

# ATTACHMENT 2

# TOPOGRAPHIC MAPS

# LIST OF TOPOGRAPHIC MAPS


| MAP NO. | MAP TITLE |
|---|---|
| 1 | Contour Map Showing All Technical Areas (TA) at Los Alamos National Laboratory (LANL) |
| 2 | Contour Map Showing Hazardous and Mixed Waste Units at Technical Area (TA) 55 |
| 3 | Location Map of Water Supply Wells, Monitoring Wells, Test Wells, Springs, and Surface Water Sampling Stations |
| 4 | Los Alamos National Laboratory (LANL) National Pollutant Discharge Elimination System (NPDES) Outfall Locations |
| 5 | Location Map of Technical Area (TA) 57, Fenton Hill Geothermal Site |

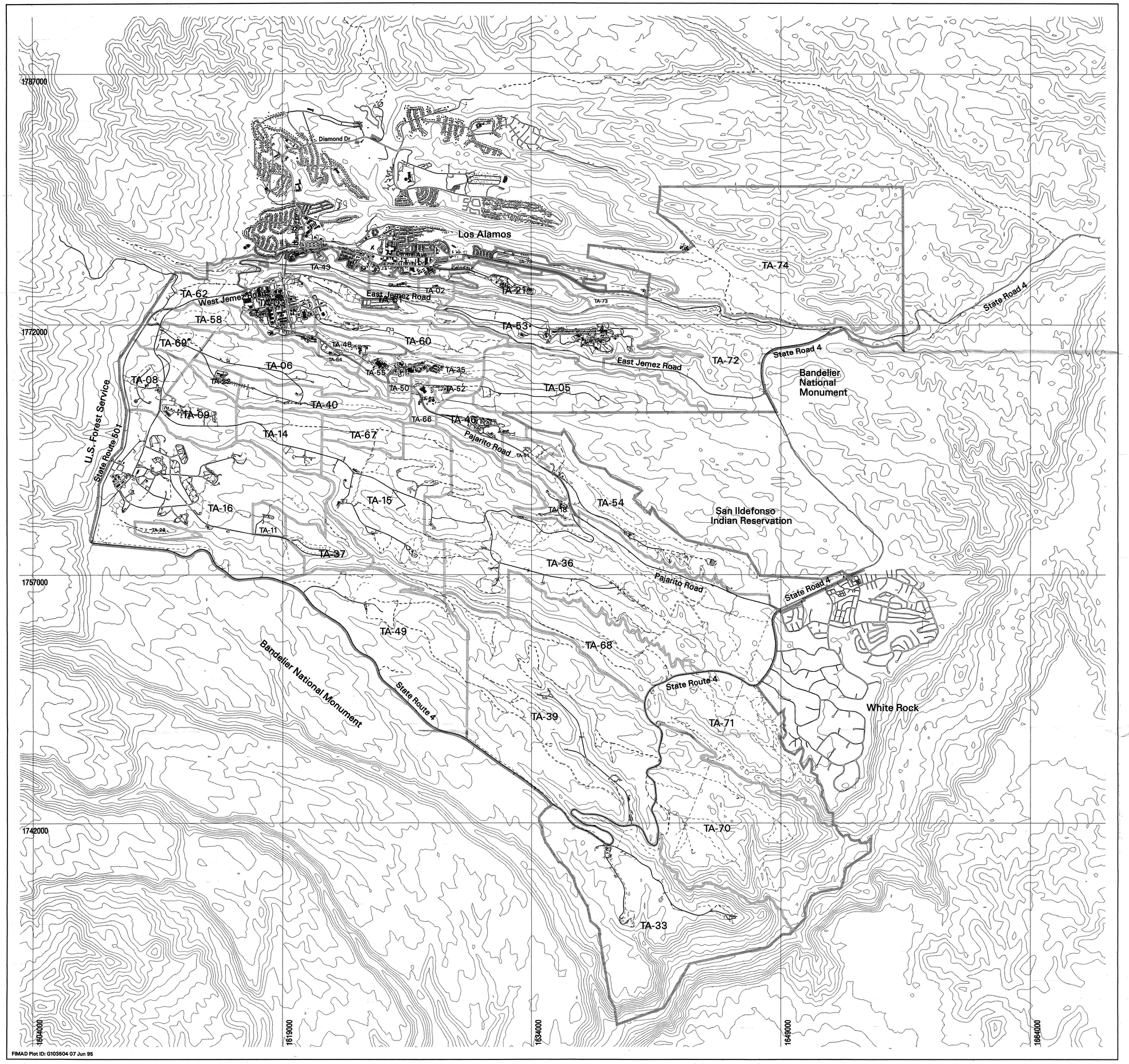

Note: For topographic maps showing LANL's other hazardous and mixed waste units, refer to the "RCRA Part A Permit Application for Mixed Waste, Revision 2.0," 1994, Los Alamos National Laboratory, Los Alamos, New Mexico.

# Map 1: Contour Map Showing All Technical Areas (TA) at Los Alamos National Laboratory (LANL)

- Boundary, LANL
- Boundary, TA
- Contours, 100 foot
- Roads, Dirt
- Roads, Paved
- Trail
- Building

NOTE: TA-67, Fenton Hill Site, not shown

4414-A




FIMAD Plot ID: G103504 07 Jun 95

N

State Plane Coordinate System, New Mexico Central Zone.
1983 North American Datum

Grid provides NM State Plane coordinates in feet.
Grid interval, in 'feet': 15000
Feet per inch on map = 3000

SCALE 1:36000

0 914 1828 2742 3656

METERS

0 3000 6000 9000 12000

FEET

NOTICE: The information on this map is provisional. Feature locations are dependent on scale and symbology and their accuracy may not have been confirmed. Los Alamos National Laboratory boundary is based on legal description established in 1995. Other boundary, structure and utility data are from Los Alamos National Laboratory Engineering Division and Los Alamos County Utility and Engineering Departments. Contour data are from Los Alamos National Laboratory Environmental Restoration Project aerial survey, September, 1991.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Earth and Environmental Sciences Division

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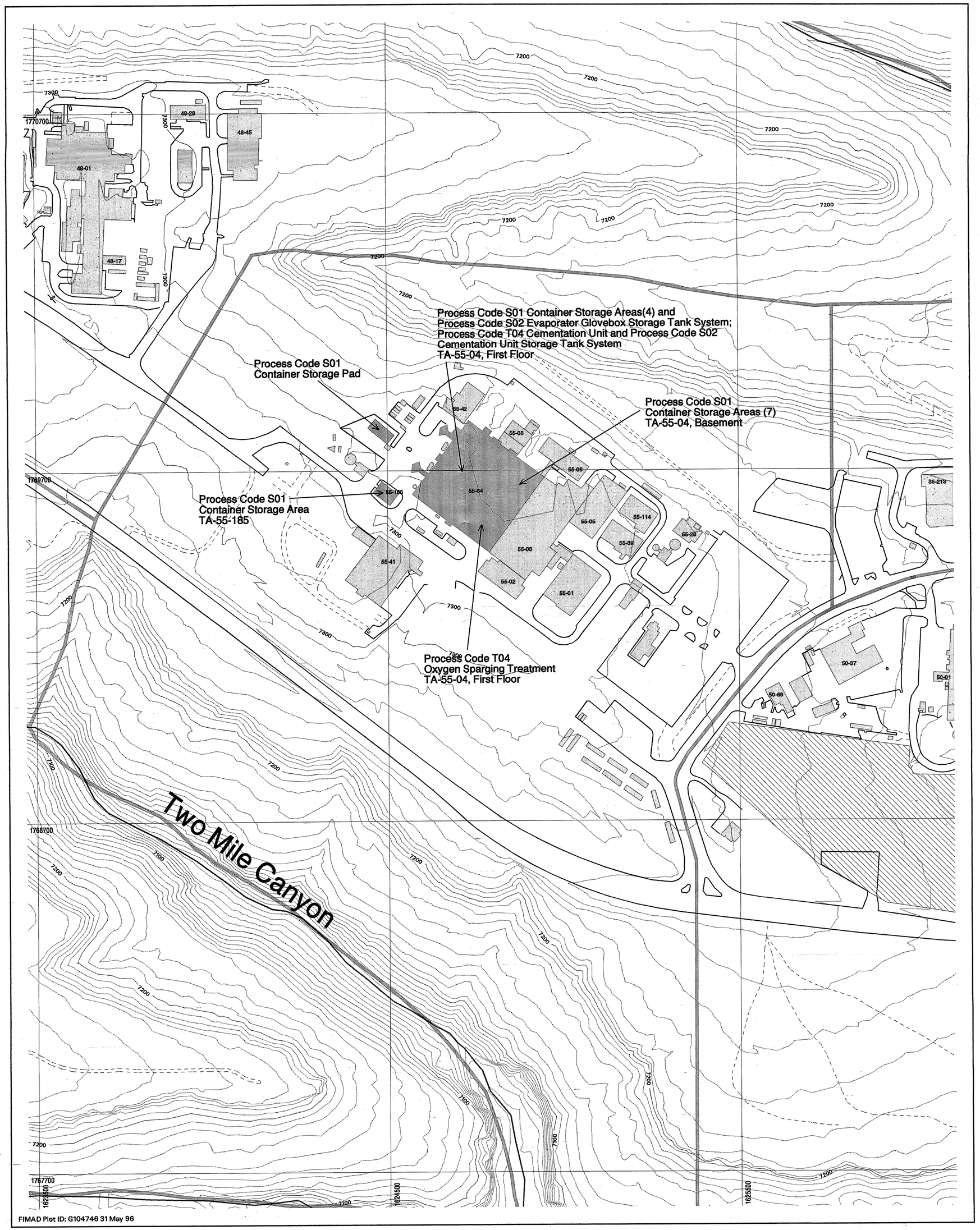
Produced by: Doug Walther



Date: June 07, 1995 FIMAD Plot ID: G103504




FIMAD Plot ID: G104746 31 May 96

## LEGEND

- Contour, 100 ft
- Contour, 10 ft
- Road, Dirt
- Road, Paved
- Road/Trail
- Permanent/Temporary Structure
- Structure with Treatment, Storage, or Disposal (TSD) Area(s)
- TA-55

**4414-B**

# Map 2: Contour Map Showing Hazardous and Mixed Waste Units at Technical Area (TA) 55

N

State Plane Coordinate System, New Mexico Central Zone.
1983 North American Datum

Grid provides NM State Plane coordinates in feet.
Grid interval, in feet: 1000
Feet per inch on map = 200

SCALE 1:2400

0 61 122 183 244

METERS

0 200 400 600 800

FEET

NOTICE: The information on this map is provisional. Feature locations are dependent on scale and symbology and their accuracy may not have been confirmed. Los Alamos National Laboratory boundary is based on legal description established in 1995. Other boundary, structure, and utility data are from Los Alamos National Laboratory Engineering Division and Los Alamos County Utility and Engineering Departments. Contour data are from Los Alamos National Laboratory Environmental Restoration Project aerial survey, September 1991.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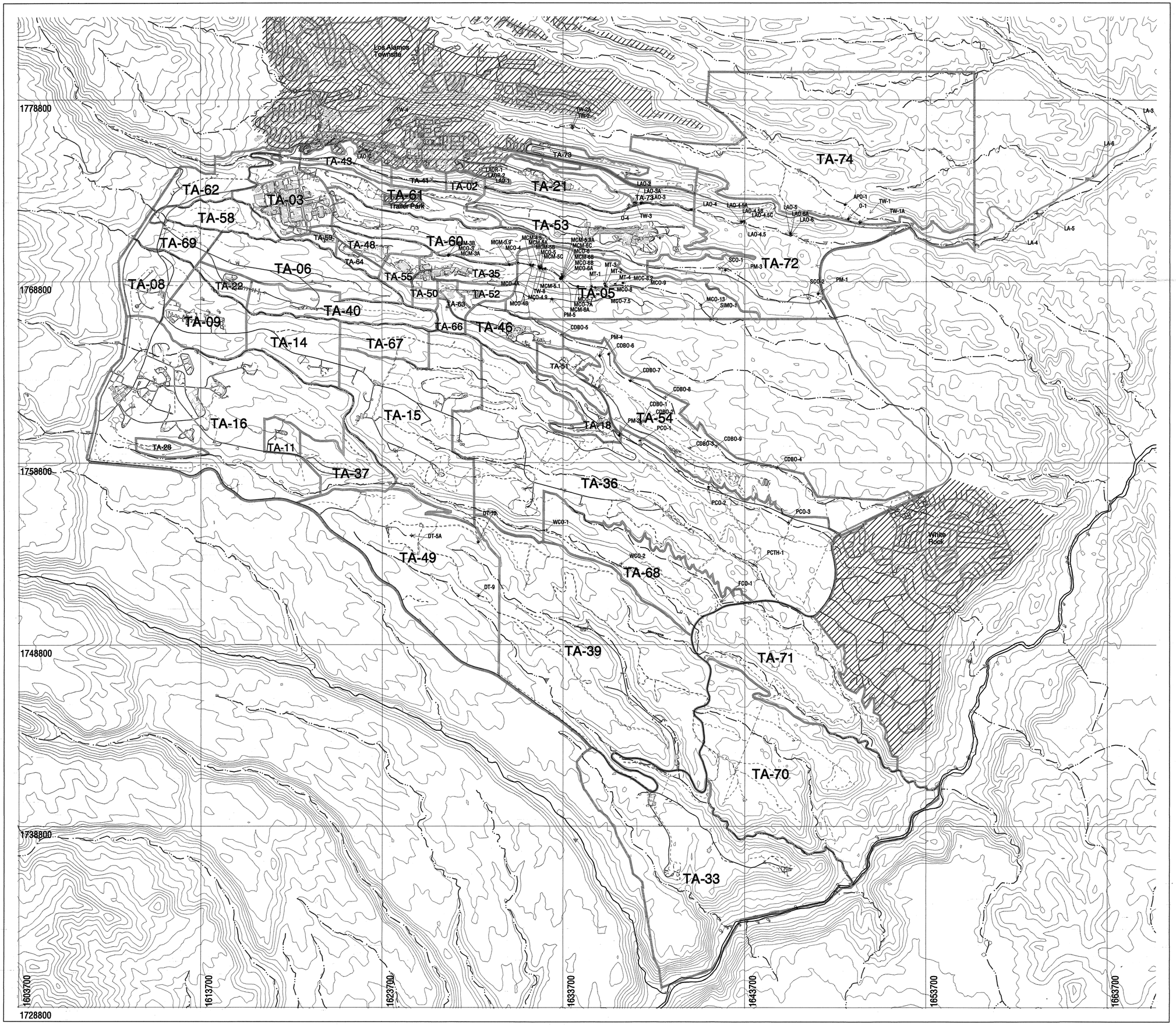
Date: May 31, 1996 FIMAD Plot ID: G104746




LEGEND

- Boundary, Los Alamos National Laboratory
- Boundary, Technical Area (TA)
- Contours, 100 foot
- Roads, Dirt
- Roads, Paved
- Road/Trail
- Stream, Intermittent
- Stream, Perennial
- Building
- Residential Areas

PERCHED ALLUVIAL MONITORING WELLS
(Old wells are pre-1990, new wells installed since 1990 according to EPA guidelines)

- New Dry Well
- Old Dry Well
- New Saturated Well
- Old Saturated Well

MAIN AQUIFER WELLS

- Water Supply Well
- Test Well

OTHER

- LAOR Well
- Abandoned/Plugged Well
- Surface Water Sampling Station
- Spring

4414-C

MAP 3:
Location Map of Water Supply Wells, Monitoring Wells, Test Wells, Springs, and Surface Water Sampling Stations

N

State Plane Coordinate System, New Mexico Central Zone.
1983 North American Datum

Grid provides NM State Plane coordinates in feet.
Grid interval, in 'feet': 10000
Feet per inch on map = 2500

SCALE 1:30000

0 762 1524 2286 3048
METERS
0 2500 5000 7500 10000
FEET

NOTICE: The information on this map is provisional. Feature locations are dependent on scale and symbology and their accuracy may not have been confirmed. Los Alamos National Laboratory boundary is based on legal description established in 1995. Other boundary, structure and utility data are from Los Alamos National Laboratory Engineering Division and Los Alamos County Utility and Engineering Departments. Contour data are from Los Alamos National Laboratory Environmental Restoration Project aerial survey, September, 1991.

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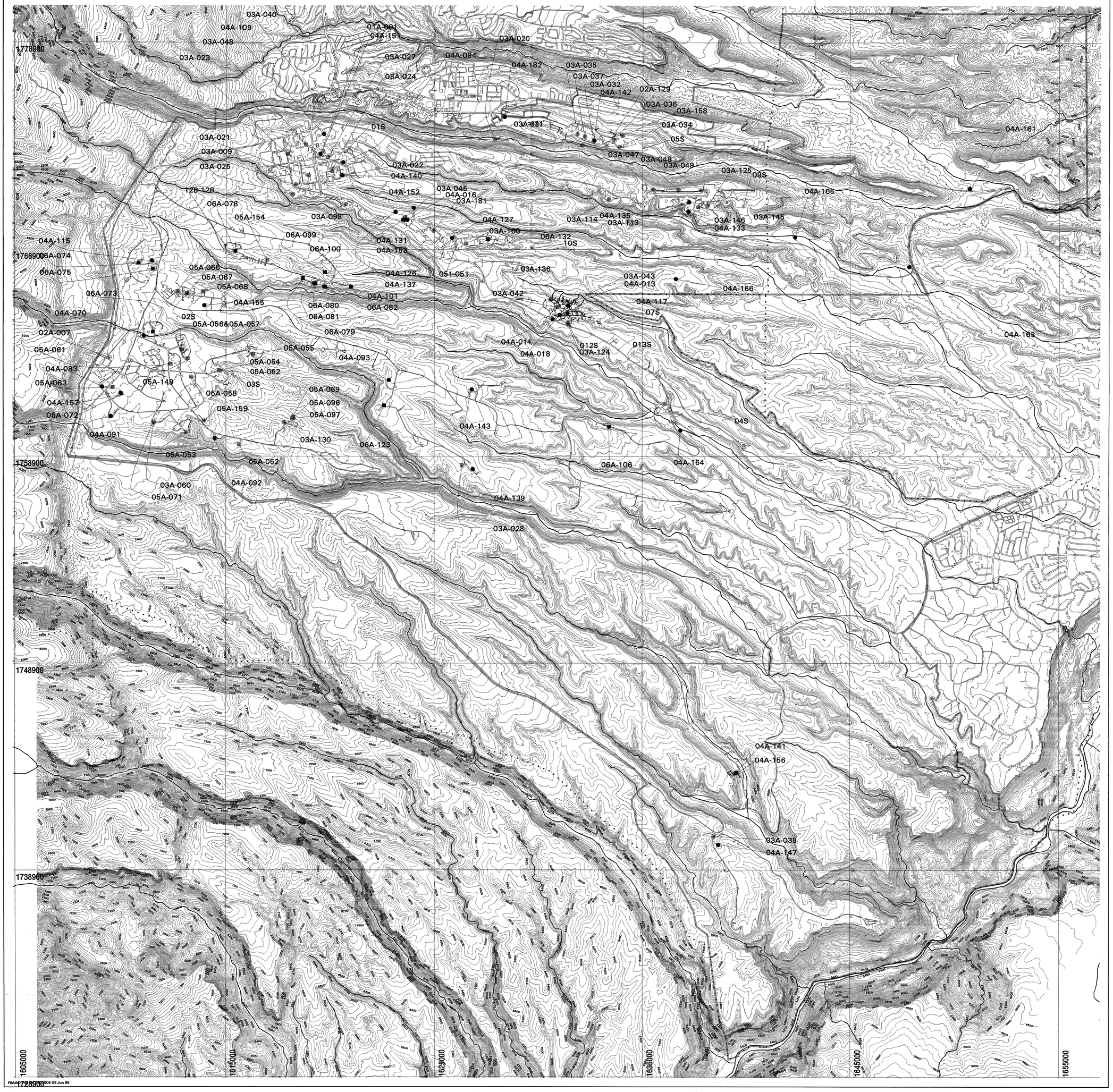
Produced by: Doug Walther
Date: June 09, 1995 FIMAD Plot ID: G103506

# NPDES OUTFALL LOCATIONS




## NPDES Outfall Locations

LEGEND

- County Boundary
- Drainage
- LANL Boundary
- Roads, Paved
- 100-ft Contours
- 20-ft Contours

OUTFALL CATEGORIES

- 01A
- 02A
- 03A
- 04A
- 05A
- 06A
- Miscellaneous

4414-D

MAP 4:
LOS ALAMOS NATIONAL LABORATORY (LANL)
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) OUTFALL LOCATIONS

N

State Plane Coordinate System, New Mexico Central Zone.
1983 North American Datum

Grid provides NM State Plane coordinates in feet.
Grid interval, in 'feet': 10000
Feet per inch on map = 1750

SCALE 1:21000

0 533 1066 1599 2132

METERS

0 1750 3500 5250 7000

FEET

NOTICE: The information on this map is provisional. Feature locations are dependent on scale and symbology and their accuracy may not have been confirmed. Los Alamos National Laboratory boundary is based on legal description established in 1995. Other boundary, structure and utility data are from Los Alamos National Laboratory Engineering Division and Los Alamos County Utility and Engineering Departments. Contour data are from Los Alamos National Laboratory Environmental Restoration Project aerial survey, September, 1991.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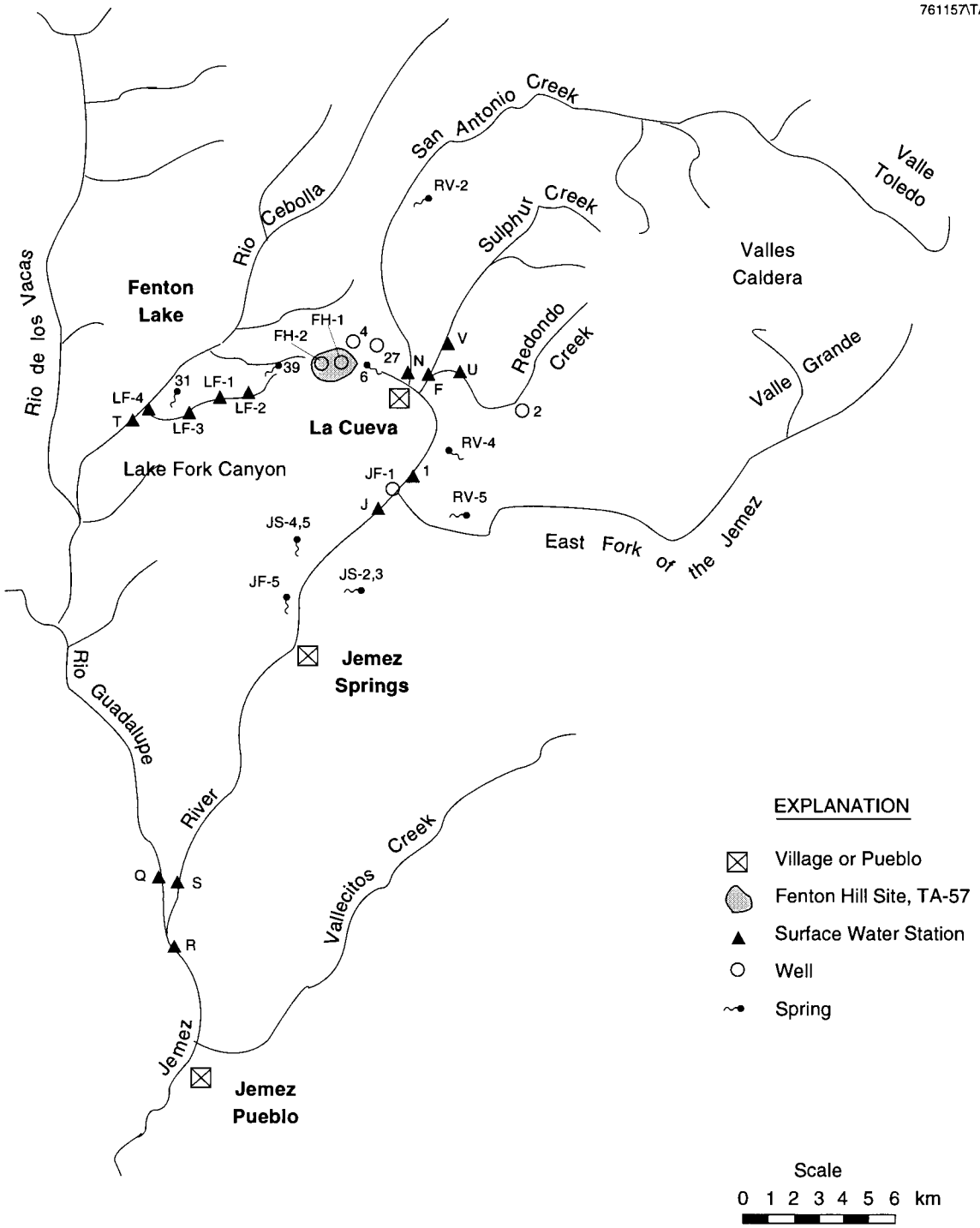
Date: June 09, 1995 FIMAD Plot ID: G103505




Reference: "Environmental Surveillance at Los Alamos During 1992," 1994, LA-12764-ENV, Los Alamos National Laboratory, Los Alamos, New Mexico.

**Map 5**

Location Map of Technical Area (TA) 57, Fenton Hill Geothermal Site

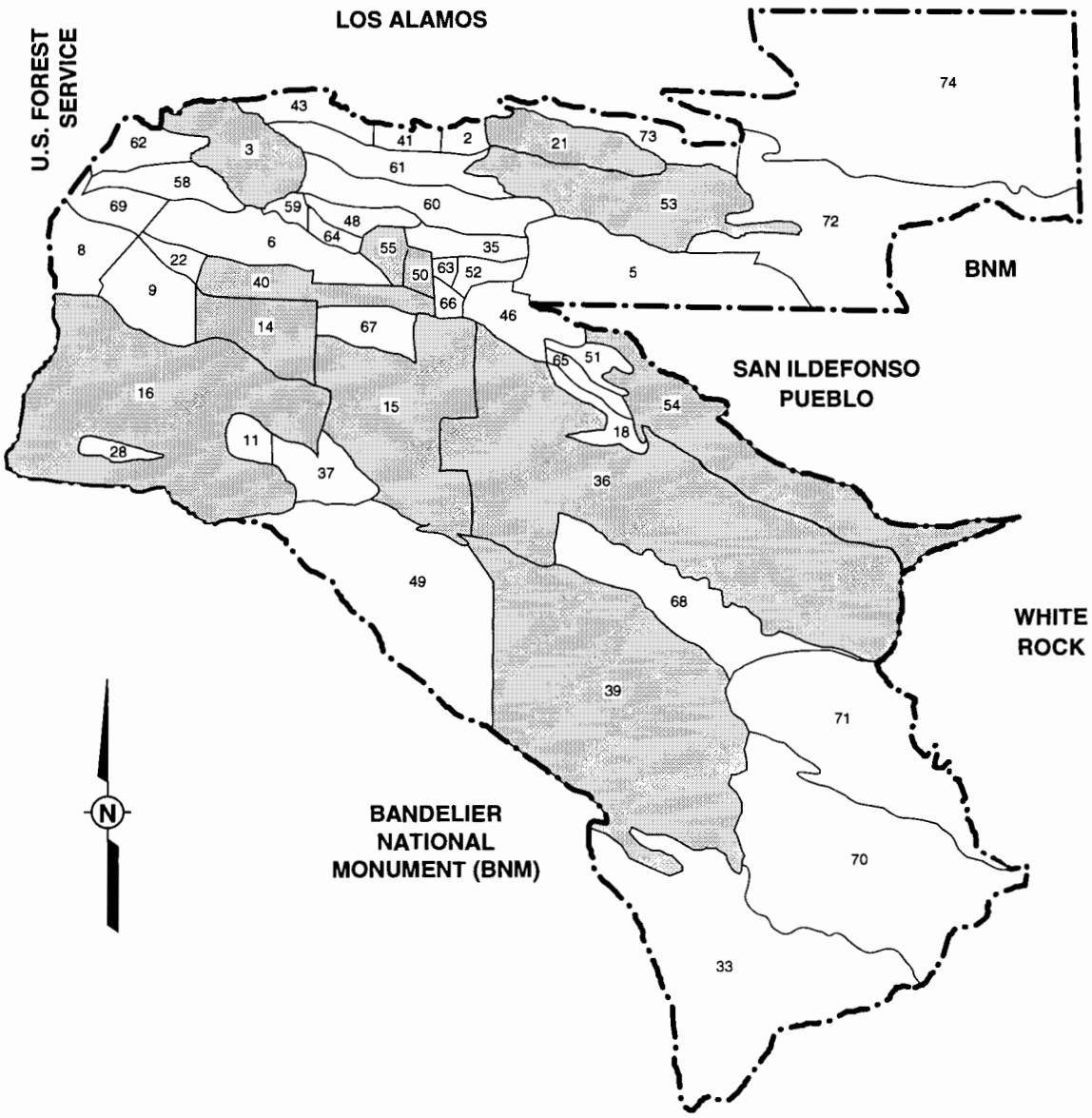
# ATTACHMENT 3

# FACILITY DRAWINGS

# LIST OF FACILITY DRAWINGS


| FIGURE NO. | TITLE |
|---|---|
| 1 | Location Map of Los Alamos National Laboratory Technical Areas |
| 2 | Technical Area (TA) 55 Site Location Map |
| 3 | Technical Area (TA) 55, Building 4, Basement Floor Plan |
| 4 | Technical Area (TA) 55, Building 4, First Floor Plan |
| 5 | Technical Area (TA) 55, Building 185, Floor Plan |
| 6 | Container Storage Pad West of Technical Area (TA) 55, Building 4 |


Note: For facility drawings showing Los Alamos National Laboratory's other hazardous and mixed waste units, refer to the "RCRA Part A Permit Application for Mixed Waste, Revision 2.0," 1994, Los Alamos National Laboratory, Los Alamos, New Mexico.




Shading indicates technical areas in which hazardous waste or mixed waste units are located or planned for construction.

4800 0 4800
Scale in Feet

Modified from: "Environmental Surveillance at Los Alamos During 1992," 1994, LA-12764-ENV, Los Alamos National Laboratory, Los Alamos, New Mexico.

**Figure 1**
Location Map of Los Alamos National Laboratory Technical Areas

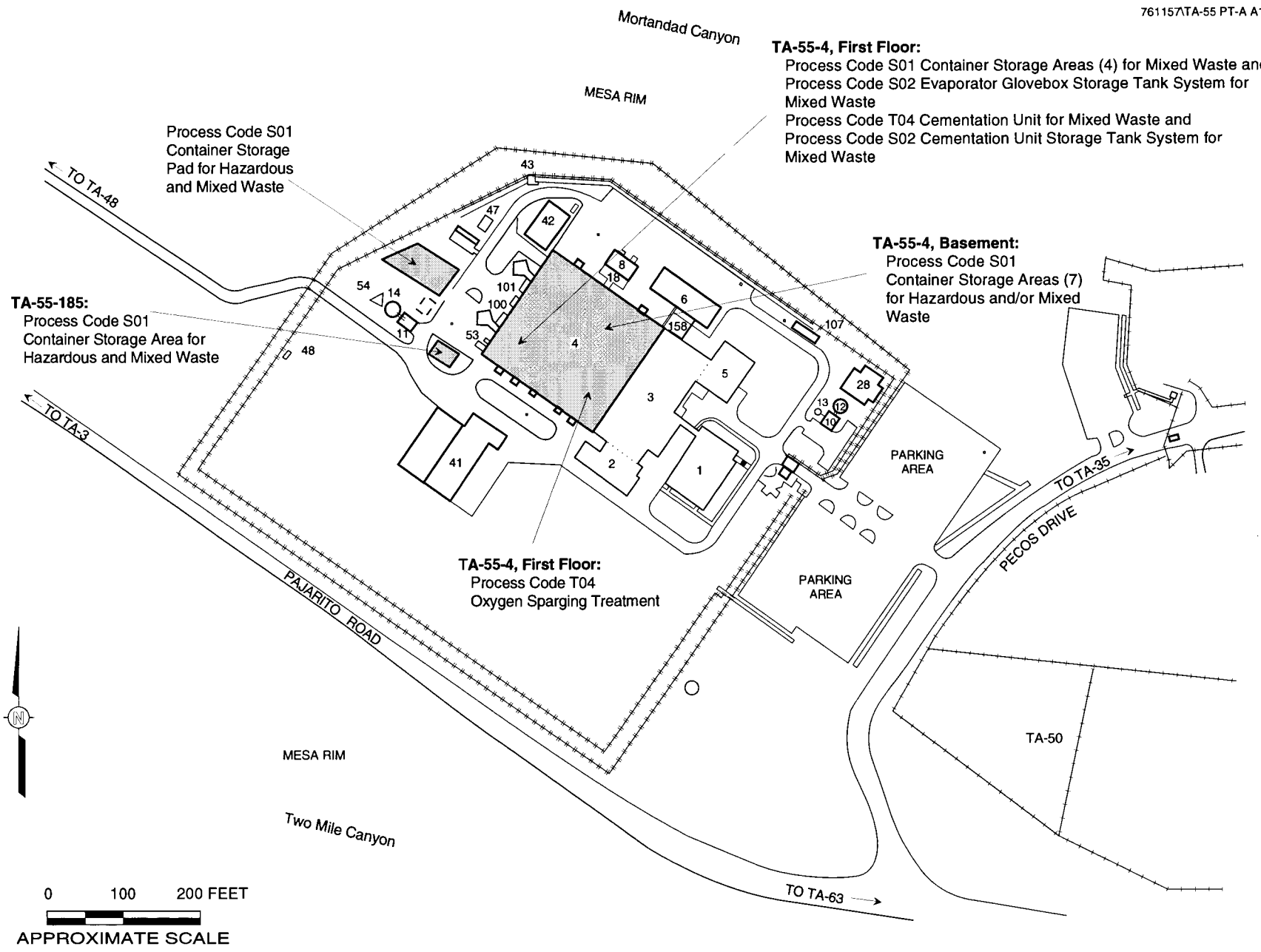



**Figure 2**
Technical Area (TA) 55 Site Location Map

**Figure 3**
Technical Area (TA) 55, Building 4, Basement Floor Plan

**[This figure has been provided to the New Mexico Environment Department under separate cover as Unclassified Controlled Nuclear Information (UCNI) defined by Section 148 of the Atomic Energy Act.]**

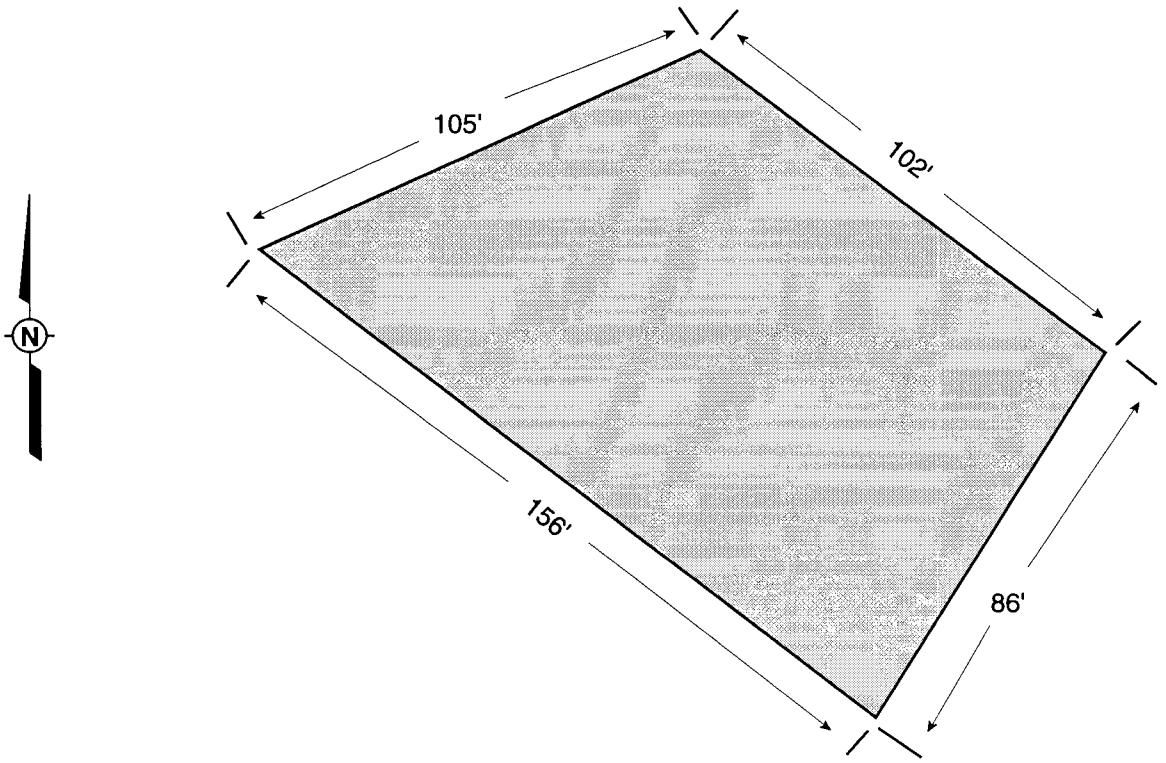
**Figure 4**
Technical Area (TA) 55, Building 4, First Floor Plan

**[This figure has been provided to the New Mexico Environment Department under separate cover as Unclassified Controlled Nuclear Information (UCNI) defined by Section 148 of the Atomic Energy Act.]**

**Figure 5**
Technical Area (TA) 55, Building 185, Floor Plan

**[This figure has been provided to the New Mexico Environment Department under separate cover as Unclassified Controlled Nuclear Information (UCNI) defined by Section 148 of the Atomic Energy Act.]**

Figures 3 and 4 have been provided confidentially under separate cover to comply with Unclassified Controlled Nuclear Information (UCNI) procedures.




Process Code S01
Container Storage Pad for
Hazardous Waste, TRU Mixed Waste,
and Low-Level Mixed Waste

Note: TA-55-4 is located approximately 140 feet to the east. Refer to Figure 2 and Map 2 of this document for the general location of this container storage pad in relation to other buildings/structures at TA-55.

**Figure 6**
Container Storage Pad West of Technical Area (TA) 55, Building 4

# ATTACHMENT 4

# PHOTOGRAPHS

# LIST OF PHOTOGRAPHS

PHOTOGRAPH CAPTION — PAGE

Technical Area 55, Building 4, Basement, Process Code S01, Container Storage Area for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste (Area 1) . . . . . 4-1

Technical Area 55, Building 4, Basement, Process Code S01, Container Storage Area for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste (Area 2) . . . . . 4-1

Technical Area 55, Building 4, Basement, Process Code S01, Container Storage Area for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste (Area 3) . . . . . 4-2

Technical Area 55, Building 4, Basement, Process Code S01, Container Storage Area for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste (Area 4) . . . . . 4-2

Technical Area 55, Building 4, Basement, Process Code S01, Container Storage Area for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste (Area 5) . . . . . 4-3

Technical Area 55, Building 4, Basement, Process Code S01, Container Storage Area for TRU Mixed Waste (Area 6) . . . . . 4-3

Technical Area 55, Building 4, Basement, North End, Process Code S01, Container Storage Area for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste (Area 7) . . . . . 4-4

Technical Area 55, Building 4, Room 401, Process Code S01, Container Storage Area for TRU Mixed Waste and Low-Level Mixed Waste (Area 8) . . . . . 4-4

Technical Area 55, Building 4, Room 401, Process Code S01, Container Storage Area for TRU Mixed Waste and Low-Level Mixed Waste (Area 9) . . . . . 4-5

Technical Area 55, Building 4, Room 433, Process Code S01, Container Storage Area for TRU Mixed Waste and Low-Level Mixed Waste (Area 10) . . . . . 4-5

Technical Area 55, Building 4, Room 432, Process Code S01, Container Storage Area for TRU Mixed Waste (Area 11) . . . . . 4-6

Technical Area 55, near Building 4, Process Code S01, Container Storage Pad for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste . . . . . 4-6

Technical Area 55, near Building 4, Process Code S01, Container Storage Pad for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste . . . . . 4-7

Technical Area 55, Building 185, Process Code S01, Container Storage Area for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste . . . . . 4-7

Technical Area 55, Building 4, Room 401, Process Code S02, Evaporator Glovebox Storage Tank System . . . . . 4-8

Technical Area 55, Building 4, Room 401, Process Code S02, Evaporator Glovebox Storage Tank System . . . . . 4-8

## LIST OF PHOTOGRAPHS
## (Continued)

PHOTOGRAPH CAPTION — PAGE

Technical Area 55, Building 4, Room 401, Process Code S02, Cementation Unit Storage Tank System . . . . . 4-9

Technical Area 55, Building 4, Room 401, Process Code T04, Cementation Unit Glovebox . . . . . 4-10

Technical Area 55, Building 4, Room 401, Process Code T04, Cementation Unit Glovebox and Process Code S02, Cementation Unit Storage Tank System . . . . . 4-10

Technical Area 55, Building 4, Room 429, Process Code T04, Oxygen Sparging Unit Glovebox . . . . . 4-11

Technical Area 55, Building 4, Room 429, Process Code T04, Oxygen Sparging Unit . . . . . 4-11

Note: For photographs showing Los Alamos National Laboratory's other hazardous and mixed waste units, refer to the "RCRA Part A Permit Application for Mixed Waste, Revision 2.0," 1994, Los Alamos National Laboratory, Los Alamos, New Mexico.

Technical Area 55, Building 4, Basement, Process Code S01, Container Storage Area for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste (Area 1)

Technical Area 55, Building 4, Basement, Process Code S01, Container Storage Area for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste (Area 2)
(Container storage area is located within the room pictured)

Technical Area 55, Building 4, Basement, Process Code S01, Container Storage Area for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste (Area 3)

Technical Area 55, Building 4, Basement, Process Code S01, Container Storage Area for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste (Area 4)

## Photographs

Technical Area 55, Building 4, Basement, Process Code S01, Container Storage Area for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste (Area 5)

Technical Area 55, Building 4, Basement, Process Code S01, Container Storage Area for TRU Mixed Waste (Area 6)

**[These photographs have been provided to the New Mexico Environment Department under separate cover as Unclassified Controlled Nuclear Information (UCNI) defined by Section 148 of the Atomic Energy Act.]**

Technical Area 55, Building 4, Basement, North End, Process Code S01, Container Storage Area for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste (Area 7)

Technical Area 55, Building 4, Room 401, Process Code S01, Container Storage Area for TRU Mixed Waste and Low-Level Mixed Waste (Area 8)

Technical Area 55, Building 4, Room 401, Process Code S01, Container Storage Area for TRU Mixed Waste and Low-Level Mixed Waste (Area 9)

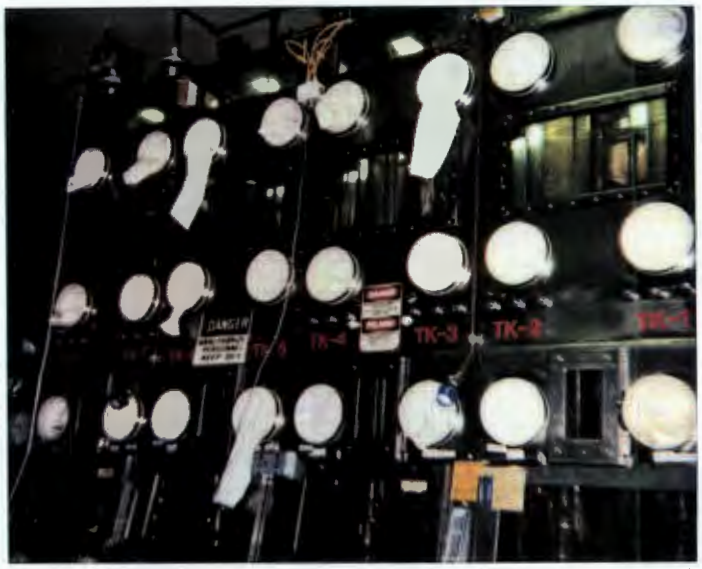
Technical Area 55, Building 4, Room 433, Process Code S01, Container Storage Area for TRU Mixed Waste and Low-Level Mixed Waste (Area 10)

Technical Area 55, Building 4, Room 432, Process Code S01, Container Storage Area for TRU Mixed Waste (Area 11)

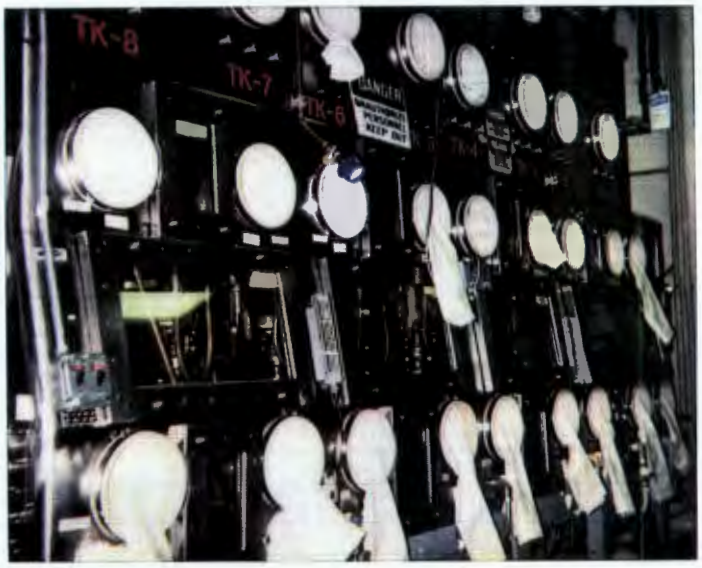
Technical Area 55, near Building 4, Process Code S01, Container Storage Pad for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste

Technical Area 55, near Building 4, Process Code S01, Container Storage Pad for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste

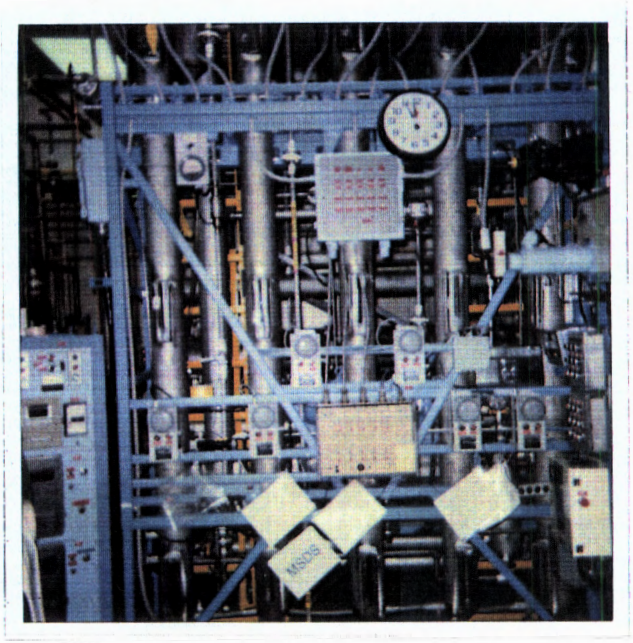
Technical Area 55, Building 185, Process Code S01, Container Storage Area for Hazardous Waste, TRU Mixed Waste, and Low-Level Mixed Waste
(Container storage area will be located within the building pictured)




Technical Area 55, Building 4, Room 401, Process Code S02, Evaporator Glovebox Storage Tank System



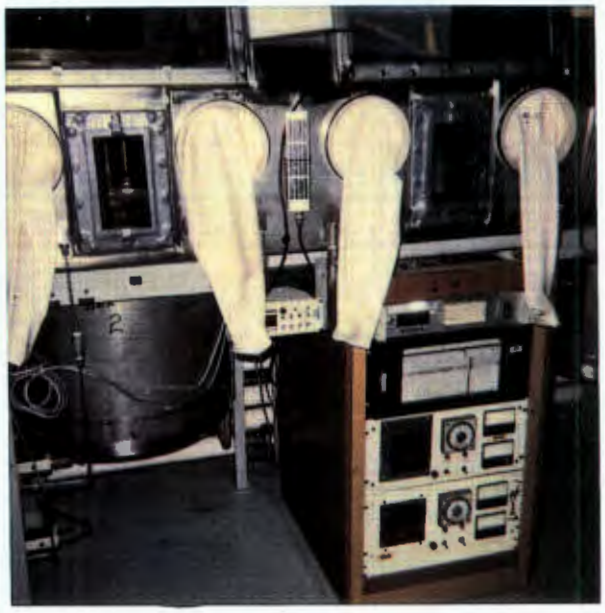

Technical Area 55, Building 4, Room 401, Process Code S02, Evaporator Glovebox Storage Tank System




Technical Area 55, Building 4, Room 401, Process Code S02, Cementation Unit Storage Tank System

Technical Area 55, Building 4, Room 401, Process Code T04, Cementation Unit Glovebox

Technical Area 55, Building 4, Room 401, Process Code T04, Cementation Unit Glovebox and Process Code S02, Cementation Unit Storage Tank System



Technical Area 55, Building 4, Room 429, Process Code T04, Oxygen Sparging Unit Glovebox

Technical Area 55, Building 4, Room 429, Process Code T04, Oxygen Sparging Unit