

**ATTACHMENT J**  
**HAZARDOUS WASTE MANAGEMENT UNITS**

**TABLE J-1**

**Active Portion of the Facility**

Includes units permitted to store and treat hazardous waste, interim status units, and the Material Disposal Areas.

Process codes and associated process descriptions:

- S01-storage in containers
- S02-storage in tanks
- S99-other storage
- D80-landfill
- T04 – other treatment
- X01\*-open burning
- X01\*\*-open detonation

| Unit Identifier | Process Codes  | Operating Capacity              | General Information  | Type of Unit |
|-----------------|----------------|---------------------------------|--|--------------|
| TA-3-29         | S01<br><br>T04 | 18,500 gal<br><br>3,441 gal/day | Includes Room 9010 and portions of Room 9020 and 9030<br><br>Located in Wing 9 of the basement of Building 29<br><br>Includes treatment process for macroencapsulation<br><br>Total square footage – 3,040 | Indoor       |

| Unit Identifier | Process Codes | Operating Capacity   | General Information                            | Type of Unit |
|-----------------|---------------|----------------------|--|--------------|
| TA-14-23        | X01*          | 50 lbs HE/burn       | Near Structure TA-14-23<br>Interim Status Unit | NA           |
| TA-14-23        | X01**         | 20 lbs HE/detonation | Near Structure TA-14-23<br>Interim Status Unit | NA           |

| Unit Identifier      | Process Codes | Operating Capacity             | General Information  | Type of Unit                                   |
|----------------------|---------------|--------------------------------|--|--|
| TA-16-388            | X01*          |                                | Flash Pad<br>Total square footage - 484<br>Interim Status Unit   | Outdoor<br>(associated with a open burn unit)  |
| TA-16-399            | X01*          |                                | Burn Tray<br>Total square footage - 64<br>Interim Status Unit not authorized to treat hazardous waste and undergoing closure               | Outdoor<br>(associated with an open burn unit) |
| TA-36-8              | X01**         | 2000 lbs/<br>detonation        | Near Structure TA-36-8<br>Interim Status Unit  | NA   |
| TA-39-6              | X01**         | 1000 lbs/<br>detonation        | Near Structure TA-39-6<br>Interim Status Unit  | NA   |
| TA-39-57             | X01**         | 1000 lbs/<br>detonation        | Near Structure TA-39-57<br>Interim Status Unit   | NA   |
| TA-50-69 Indoor      | S01<br>T04    | 1,500 gal<br>275<br>gal/day    | Includes Rooms 102 and 103.<br>Includes treatment process for stabilization of nitrate salt-bearing waste.<br>Total square footage – 2,680 | Indoor   |
| TA-50-69 Outdoor Pad | S01<br>T04    | 30,000 gal<br>3,441<br>gal/day | Includes 50-75 and 50-194.<br>Includes treatment process for macroencapsulation<br>Total square footage – 2,160                            | Outdoor (not associated with a regulated unit) |

| Unit Identifier                                    | Process Codes | Operating Capacity            | General Information  | Type of Unit                               |
|--|---------------|-------------------------------|--|--|
| TA-54 "G"  | D80           | NA                            | Material Disposal Area<br>Unit not permitted to receive hazardous waste  | Regulated unit                             |
| TA-54 Area G Container Storage Unit (below ground) | S99           | 4,950 gal                     | Includes shafts 145 and 146<br>Wastes removed and unit undergoing closure, closure certification incomplete  | NA   |
| TA-54 Area G Pad 1                                 | S01<br>T04    | 502,920 gal<br>23,160 gal/day | Includes building TA-54-412 (DVRS)<br>Includes treatment process for macroencapsulation, stabilization (including absorption), and neutralization<br>Approximately 76,000 square feet  | Outdoor (associated with a regulated unit) |
| TA-54 Area G Pad 3                                 | S01           | 213,840 gal<br>23,160 gal/day | Includes Storage Dome 48<br>Includes treatment process for macroencapsulation<br>Approximately 17,000 square feet  | Outdoor (associated with a regulated unit) |
| TA-54 Area G Pad 5                                 | S01<br>T04    | 623,480 gal<br>23,160 gal/day | Includes Storage Domes 49 and 224 and Storage Sheds 144, 145, 146, 177, 1027, 1028, 1030, and 1041<br>Pad 5 is a consolidation of former Pads 5, 7, and 8.<br>Includes treatment process for macroencapsulation<br>Total square footage – 59,900 | Outdoor (associated with a regulated unit) |
| TA-54 Area G Pad 6                                 | S01           | 597,300 gal                   | Includes Storage Domes 153 and 283; and Transportainer 491.  | Outdoor (associated with a regulated unit) |

| Unit Identifier     | Process Codes  | Operating Capacity                  | General Information  | Type of Unit                               |
|---------------------|----------------|-------------------------------------|--|--|
|                     | T04            | 23,160 gal/day                      | Includes treatment process for macroencapsulation<br><br>Approximately 62,700 square feet  | an regulated unit)                         |
| TA-54 Area G Pad 9  | S01<br><br>T04 | 1,446,720 gal<br><br>23,160 gal/day | Includes Storage Domes 229, 230, 231, and 232.<br><br>Includes treatment process for macroencapsulation, stabilization (including absorption) and neutralization<br><br>Total square footage – 158,000   | Outdoor (associated with a regulated unit) |
| TA-54 Area G Pad 10 | S01<br><br>T04 | 159,770 gal<br><br>23,160 gal/day   | Includes Transuranic (TRU) Waste Characterization Facilities: TA-54-0547 (SuperHENC), TA-54-0498 (LANL HENC), TA-54-0545 and 546 (Storage trailers), <u>and 438.</u><br><br>Pad 10 is a consolidation of former Pads 2 and 4.<br><br>Includes treatment process for macroencapsulation<br><br>Approximately 89,600 square feet | Outdoor (associated with a regulated unit) |
| TA-54 Area G Pad 11 | S01<br><br>T04 | 682,440 gal<br><br>23,160 gal/day   | Includes Storage Dome 375.<br><br>Includes treatment process for macroencapsulation<br><br>Includes treatment process for stabilization (including absorption) and neutralization<br><br>Total square footage – 65,500   | Outdoor (associated with a regulated unit) |

| Unit Identifier                                    | Process Codes | Operating Capacity            | General Information   | Type of Unit                               |
|--|---------------|-------------------------------|---|--|
| TA-54 Area G Storage Shed 8                        | S01           | 11,880 gal                    | Also referred to as TA-54-8<br>Total square footage - 640   | Indoor                                     |
| TA-54 Area G<br>TA-54-33                           | S01<br>T04    | 108,240 gal<br>23,160 gal/day | Also referred to as Drum Prep Facility<br>Includes treatment process for macroencapsulation<br>Total square footage – 8,570   | Indoor                                     |
| TA-54 “H”  | D80           | NA                            | Material Disposal Area H<br>Unit not permitted to receive hazardous waste   | Regulated unit                             |
| TA-54 “L”  | D80           | NA                            | Material Disposal Area L<br>Unit not permitted to receive hazardous waste   | Regulated unit                             |
| TA-54 Area L Container Storage Unit (below ground) | S99           | 600 gal                       | Includes shafts 36 and 37<br>Wastes removed and unit undergoing closure, closure certification incomplete   | NA   |
| TA-54 Area L Outdoor Pad                           | S01<br>T04    | 407,880 gal<br>23,160 gal/day | Includes all area within fence-line except limited administrative areas.<br>Includes Storage Sheds 31, 68, 69, and 70; Storage Pads 32, 35, 36, and 58; and Building 39; and Storage Dome 215 (former Area 1).<br>Includes treatment process for macroencapsulation<br>Total square footage – 110,500 | Outdoor (associated with a regulated unit) |
| TA-54-38 West Indoor                               | S01           | 4,950 gal                     | Includes High Bay and Low Bay<br>Total square footage – 4,060   | Indoor                                     |



| <b>Unit Identifier</b>    | <b>Process Codes</b> | <b>Operating Capacity</b>   | <b>General Information</b>  | <b>Type of Unit</b>                            |
|---------------------------|----------------------|-----------------------------|---|--|
| TA-54-38 West Outdoor Pad | S01<br>T04           | 29,160 gal<br>3,441 gal/day | Includes loading dock and Pad surrounding<br>Includes treatment process for macroencapsulation<br>Total square footage – 37,900   | Outdoor (not associated with a regulated unit) |
| TA-54-38 West Outdoor Pad | S01                  | 13,410 gal                  | Excess storage capacity<br>Included in total square footage above   | Outdoor (not associated with a regulated unit) |
| TA-55-4, B40              | S01<br>T04           | 21,500 gal<br>3,441 gal/day | Located in basement<br>Referred to as Area 1<br>Includes treatment process for macroencapsulation<br>Total square footage – 3,380 | Indoor   |
| TA-55-4, K13              | S01                  | 2,500 gal                   | Located in basement<br>Referred to as Area 4<br>Total square footage - 208  | Indoor   |
| TA-55-4, B05              | S01                  | 3,600 gal                   | Located in basement<br>Referred to as Area 5<br>Non-liquid wastes only<br>Total square footage - 260                              | Indoor   |
| TA-55-4, B45              | S01<br>T04           | 11,000 gal<br>3,441 gal/day | Located in basement<br>Non-liquid wastes only<br>Includes treatment process for macroencapsulation<br>Total square footage - 788  | Indoor   |
| TA-55-4, B13              | S01                  | 4,950 gal                   | Located in basement<br>Non-liquid waste only<br>Total square footage - 495.83   | Indoor   |

| <b>Unit Identifier</b>                               | <b>Process Codes</b> | <b>Operating Capacity</b>                | <b>General Information</b>  | <b>Type of Unit</b>                                  |
|--|----------------------|--|---|--|
| TA-55-4, G12   | S01                  | 5,225 gal                                | Located in basement<br>Non-liquid waste only<br>Total square footage - 512.98   | Indoor   |
| TA-55-4, Vault                                       | S01                  | 4,000 gal                                | Located in basement<br>Referred to as Area 6<br>Total square footage – 4,020  | Indoor   |
| TA-55-4-401<br>Mixed Waste<br>Storage Tank<br>System | S02                  | Storage -<br>137 gal                     | TA-55-4 Room 401<br>Unit divided into two<br>components (Evaporator<br>Glovebox Storage Tank<br>System and Cementation<br>Storage Tank System)<br><br>Ancillary equipment and<br>secondary containment.<br><br>Total square footage – 4,500 | Indoor   |
| TA-55-4-401<br>Mixed Waste<br>Stabilization Unit     | T04                  | Treatment<br>- 150 gal /<br>day          | TA-55-4 Room 401<br>Total square footage – 4,500  | Indoor   |
| TA-55-4 Outdoor<br>Storage Pad                       | S01<br><br>T04       | 135,000<br>gal<br><br>3,441<br>gal/day   | Located outside and west of<br>TA-55-4<br><br>Includes treatment process for<br>macroencapsulation<br><br>Total square footage – 11,100   | Outdoor (not<br>associated with<br>a regulated unit) |
| TA-55-355 Pad  | S01<br><br>T04       | 84,370 gal<br><br>3,441<br>gal/day       | Includes canopy and pad<br>Includes treatment process for<br>macroencapsulation<br><br>Total square footage - 13,390  | Outdoor (not<br>associated with<br>a regulated unit) |
| TA-63<br>Transuranic<br>Waste Facility               | S01<br><br>T04       | 105,875<br>gal<br><br>23, 160<br>gal/day | Includes TA-63-0149 through<br>0153 Storage Buildings, TA-<br>63-0154 Storage and<br>Characterization Building,<br>TA-63-0155 through 0157  | Outdoor (not<br>associated with<br>a regulated unit) |

| <b>Unit Identifier</b> | <b>Process Codes</b> | <b>Operating Capacity</b> | <b>General Information</b>   | <b>Type of Unit</b> |
|------------------------|----------------------|---------------------------|--|---------------------|
|                        |                      |                           | Characterization Trailers, and Outside Storage Pad<br>Includes treatment process for macroencapsulation<br>Total square footage—79,239 |                     |

**TABLE J-2**

**Permitted Units Undergoing Post-Closure Care**

There are no units in post-closure care.

| <b>Unit Identifier</b> | <b>Process Codes</b> | <b>Regulatory Status</b> | <b>Operating Capacity</b> | <b>General Information</b> |
|------------------------|----------------------|--------------------------|---------------------------|----------------------------|
| (none)                 |                      |                          |                           |                            |

**TABLE J-3**

**Closed Portion of the Facility not in Post-Closure Care**

Closed units in this table are not considered units addressed under the Permit. Therefore, this table is for informational purposes only.

Process codes and associated process descriptions:

- D80-disposal trench
- D83-surface impoundment disposal
- S01-storage in containers
- S02-storage in tanks
- S04-surface impoundment
- S99-storage in shafts
- T01-treatment in tanks
- T03-incinerator
- T04-other treatment
- X01\*-open burning
- X01\*\*-open detonation

| <b>Unit Identifier</b> | <b>Process Codes</b>        | <b>General Information</b>  |
|------------------------|-----------------------------|---|
| TA-3-102               | S01                         | (High Explosives Storage Unit)  |
| TA 9-39                | S01                         |   |
| TA 09-43               | T04                         | Hydrothermal Processing Unit (HPU)<br><br>unit never managed hazardous waste                        |
| TA-15-184,             | T04,<br>X01**               | OD site (Phermix))<br>Site was never used to treat hazardous waste                                  |
| TA-16-88               | S01                         | unit never stored hazardous waste   |
| TA-16-387              | X01**<br>T04                | Flash Pad 387<br>Underwent RCRA closure in conjunction with Material Disposal Area (MDA) P in 2002. |
| TA-16-394              | X01*<br>and<br>X01**<br>T04 |   |
| TA-16-401              | X01*<br>and<br>X01**        | (Pressure Vessel - sand filter tank)  |

| <b>Unit Identifier</b>                                  | <b>Process Codes</b> | <b>General Information</b>  |
|---|----------------------|---|
| TA-16-406   | X01*<br>and<br>X01** | (Pressure Vessel - sand filter tank)                                      |
| TA-16 Surface Impoundment                               | S04 -<br>D83         |   |
| TA-16 Incinerator                                       | T03                  | (TA-16-1409)  |
| TA-16, Material Disposal Area P                         | D80                  |   |
| TA-21-61  | S01                  |   |
| TA-22-24  | S01                  | (High Explosive Storage Unit)   |
| TA-33-90  | S01                  | Application was withdrawn and that the unit never stored hazardous waste. |
| TA-33-92  | S01                  | Application was withdrawn and that the unit never stored hazardous waste. |
| TA-35-85, Surface Impoundment                           | S04 -<br>D83         |   |
| TA-35-125, Surface Impoundment                          | S04 -<br>D83         | Closure by removal.   |
| TA 35-128   | T03                  | Packed Bed Reactor/Silent Discharge Plasma Research                       |
| TA-39, MDA-Y  | D80                  |   |
| TA-40, Scrap Detonation Unit                            | X01**<br>T04         |   |
| TA-40-DF2 (magazine)                                    | S01                  | Converted to a <90 day storage unit                                       |
| TA-50-1, Batch Waste Treatment Unit (BWTU)              | T01                  |   |
| TA-50-1, Container Storage Unit(s) associated with BWTU | S01                  |   |
| TA-50-1, Room 34B                                       | S01                  | unit never managed hazardous waste  |
| TA-50-1, Room 34C                                       | S01                  | unit never managed hazardous waste  |
| TA-50-1, Room 35  | S01                  | unit never managed hazardous waste  |
| TA-50-1, Room 36  | S01                  | unit never managed hazardous waste  |

| <b>Unit Identifier</b>  | <b>Process Codes</b> | <b>General Information</b>  |
|-------------------------|----------------------|---|
| TA-50-1, Room 38        | S01                  | unit never managed hazardous waste  |
| TA-50-1, Room 38A       | S01                  | unit never managed hazardous waste  |
| TA-50-1, Room 59        | S01                  | Radioactive Liquid Waste Treatment Facility (RLWTF)   |
| TA-50-1, Room 60A       | T04                  | Cementation Treatment Unit<br>Proposed treatment process was revised to generator treatment in a < 90 day storage area.                               |
| TA-50-37                | T03                  | Controlled Air Incinerator (CAI)  |
| TA-50-37 RAMROD         | T04                  | Radioactive Materials Research, Operations and Demonstration Facility (RAMROD).<br>LANL withdraws permit request. Convert unit(s) to <90 day storage. |
| TA-50-37, Storage Tanks | S02                  | Located in Room 115   |
| TA 50-37-112            | S01, T03             | Location of Controlled Air Incinerator (CAI), part of RAMROD Facility   |
| TA-50-37-114            | S01                  | Part of RAMROD  |
| TA-50-37, Room 115      | S01 - S02            | Location of storage tanks and waste feed tanks<br>Part of RAMROD  |
| TA-50-37, Room 117      | S01                  | Room used for container storage.<br>Part of RAMROD  |
| TA-50-37, Room 118      | S01                  | Room used for container storage.<br>Part of RAMROD  |
| TA-50-114               | S01                  | Storage shed  |
| TA-50-137               | S01                  | Storage Bldg<br>Unit was never built  |
| TA-50-138               | S01                  | Storage Bldg<br>Unit was never built  |
| TA-50-139               | S01                  | Storage pad<br>Unit was never built   |

| <b>Unit Identifier</b>  | <b>Process Codes</b> | <b>General Information</b>  |
|---|----------------------|---|
| TA-50-140   | S01                  | Storage pad<br>Unit was never built   |
| TA 53-166   | S04                  | South Surface Impoundment<br>Change from closure as a TSD to cleanup under HSWA       |
| TA 53-166   | S04                  | NE Surface Impoundment<br>Change from closure as a TSD to cleanup under HSWA          |
| TA 53-166   | S04                  | NW Surface Impoundment<br>Change from closure as a TSD to cleanup under HSWA          |
| TA-54-L, Waste Oil Storage Tank (WOST)                            | S02                  |   |
| TA-54-L, Truck Mounted Container Treatment System                 | T01                  | Unit was proposed in a 1993 permit modification and was withdrawn in a 1998 Part A.   |
| TA-54-L, Bldg. 35, Storage/ Treatment Tanks (4)                   | S02 and (T01)        | Pad below the tanks remains operational for waste storage.                            |
| TA-55-4, Oxygen Sparging Treatment Furnace                        | T04                  |   |
| TA-55-4, B38  | S01                  | Unit also referred to as TA-55-4, basement, Area 2                                    |
| TA-55-4, basement. Area 7<br>North end of basement CSA            | S01                  | Unit was never used for hazardous waste storage and was withdrawn in the 1998 Part A. |
| TA-55-4-401 Mixed waste Monitoring CSA (Area 8 also called FLO-1) | S01                  | Unit was never used for hazardous waste storage and was withdrawn in the 1998 Part A. |
| TA-55-4-401 Sphere Material Removal CSA (Area 9)                  | S01                  | Unit was never used for hazardous waste storage and was withdrawn in the 1998 Part A. |



| <b>Unit Identifier</b>                                    | <b>Process Codes</b> | <b>General Information</b>  |
|---|----------------------|---|
| TA-55-4-401 CSA for Evaporator Salt Precipitate (Area 10) | S01                  | This unit was included as part of the evaporator glovebox storage tank system in the June 1996 TA-55 Part B                             |
| TA-55-4-433 Mixed Waste Monitoring CSA                    | S01                  | (Area 11 – referenced as Area 10 in June 1996)<br>Unit was never used for hazardous waste storage and was withdrawn in the 1998 Part A. |
| TA-55-4-432 CSA Glovebox Process Waste                    | S01                  | (Area 12 - referenced as Area 11 in June 1996)<br>Unit was never used for hazardous waste storage and was withdrawn in the 1998 Part A. |
| TA-55-41 CSA Vault  | S01                  | Unit was never used for hazardous waste storage and was withdrawn in the 1998 Part A.   |
| TA-55-185   | S01                  | Unit never managed hazardous waste.   |
| TA-63 Chemical Waste Treatment Skid                       | T01                  | This unit was never constructed and was withdrawn in the 1998 Part A application.   |
| TA-63 Liquid Waste Storage Tanks (6)                      | S02                  | These tanks were never constructed and were withdrawn in the 1998 Part A application.   |