



Environmental Protection and Compliance Division Environmental Compliance Programs (EPC-CP) PO Box 1663, K499

Los Alamos, New Mexico 87545 (505) 667-2211

National Nuclear Security Administration Los Alamos Field Office, A316 3747 West Jemez Road Los Alamos, New Mexico, 87544 (505) 665-7314/Fax (505) 667-5948

Date: Symbol: LA-UR: Locates Action No.:

JAN 3 1 2017 EPC-DO: 17-016 16-29615

John E. Kieling, Chief Hazardous Waste Bureau New Mexico Environment Department 2905 Rodeo Park Drive East, Building 1 Santa Fe, NM 87505-6303

Subject: Request for Class 2 Permit Modification for the Addition of Three Hazardous Waste Management Units at Technical Area 55, Los Alamos National Laboratory Hazardous Waste **Facility Permit**

Dear Mr. Kieling:

The purpose of this letter is to submit to the New Mexico Environment Department Hazardous Waste Bureau (NMED-HWB) a request for a Class 2 permit modification to the Los Alamos National Laboratory (LANL) Hazardous Waste Facility Permit (the Permit). The Permit was issued to the Department of Energy (DOE) and Los Alamos National Security, LLC (LANS), the Permittees, in November 2010 (EPA ID # NM0890010515).

Please note that a portion of the proposed permit modification (contained in the envelope marked "UCNI") contains Unclassified Controlled Nuclear Information (UCNI) as defined pursuant to federal law. The UCNI figures and photographs, which are submitted as confidential information in compliance with Title 40 Code of Federal Regulations (CFR) § 270.12 requirements, are for the use of the NMED-HWB only. This information must be used and stored appropriately according to Atomic Energy Act Section 148 requirements. If there are any questions as to what type of arrangements are required for federallycompliant storage or management of UCNI information, please contact the Permittees.

This permit modification requests the addition of three storage units to Technical Area (TA) 55. The three units include two rooms in Building TA-55-4 and the conversion of the TA-55-355 High Efficiency Neutron Counter (HENC) Pad into a hazardous waste outdoor storage pad. These changes include minor text revisions to Permit Part 3, Storage in Containers; the facility description in Attachment A, Unit Descriptions; Attachment B, Part A Application; emergency equipment changes in Attachment D, Contingency Plans; addition of the three units in Attachment J, Hazardous Waste Management Units;

Mr. John E. Kieling ENV-DO: 17-016

addition of closure plans for each of the units in Attachment G, *Closure Plans* and the addition of figures in Attachment N, *Figures*, of the Permit.

The Permittees have prepared this permit modification in accordance with 40 CFR §270.42(b). The changes made to the Permit as part of this modification all fall under the conditions of Appendix I of 40 CFR §270.42 Item F.1.b, for Class 2 permit modifications. A full description of the permit modifications, rationale for the classification type, the necessary permit revisions, and a signed certification page have been included in Enclosure 1.

Provided herein are three hard copies of the permit modification request package as well as an electronic version which will be delivered to the NMED-HWB. The hardcopy submittal contains pages or sections where text has been changed rather than copies of full attachments of the Permit. The electronic copy will only be provided to NMED-HWB and contains a reproduction of the hardcopy in portable document format (PDF) along with all the word processing and figure files used to create the hardcopy.

In addition the fact sheet (Enclosure 2) will be sent to the NMED-HWB maintained LANL facility mailing list within 7 days of transmittal of this request. The fact sheet contains the location and date of a scheduled public meeting; and a notice will be published in several local newspapers containing the same information this modification will be put into effect and notice will be sent to the NMED-HWB-maintained LANL facility mailing list in accordance with 40 CFR §270.42(b)(2) within 7 days of transmittal of this request.

If you have comments or questions regarding this permit modification, please contact Karen Armijo, DOE, at (505) 665-7314 or Mark Haagenstad, LANS, at (505) 665-2014.

Sincerely.

John C. Bretzké Division Leader Environmental Protection and Compliance Division Los Alamos National Security, LLC

Sincerely,

Karen E. Armijo

Permitting and Compliance Program Manager National Nuclear Security Administration Los Alamos Field Office U.S. Department of Energy

JCB:KEA/lm: am

Enclosures: Permit Modification Request Technical Area 55 Hazardous Waste Storage Units

Copy:

Laurie King, USEPA/Region 6, Dallas, TX (E-File) Neelam Dhawan, NMED/HWB, Santa Fe, NM, (E-File)

Cy:

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Siona Briley, NMED/HWB, Santa Fe, NM, (E-File) Darlene S. Rodriguez, NA-LA, (E-File) Karen E. Armijo, NA-LA, (E-File) Jody Pugh, NA-LA, (E-File) Sophia M. Calabaza, NA-LA, (E-File) Craig S. Leisure, PADOPS, (E-File) William R. Mairson, PADOPS, (E-File) Michael T. Brandt, ADESH, (E-File) Raeanna Sharp-Geiger, ADESH, (E-File) Keith A. Lacy, NPI-7, (E-File) Jeff A. Carmichael, EPC-CP (E-File) Mark P. Haagenstad, EPC-CP (E-File) Anthony R. Grieggs, ENV-CP, (E-File) lasomailbox@nnsa.doe.gov, (E-File) emla.docs@em.doe.gov, (E-File locatesteam@lanl.gov, (E-File) env-correspondence@lanl.gov, (E-File) rcra-prr@lanl.gov, (E-File) adesh-records@lanl.gov, (E-File)







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PO Box 1663, K499 Los Alamos, New Mexico 87545 (505) 667-2211

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JAN 3 1 201 Date: Symbol: EPC-DO: 17-0 16-29615 LA-UR:

John E. Kieling, Chief Hazardous Waste Bureau New Mexico Environment Department 2905 Rodeo Park Drive East, Building 1 Santa Fe, NM 87505-6303

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January 2017 LA-UR-16-29615

Permit Modification Request Technical Area 55 Hazardous Waste Storage Units

Prepared by:

Los Alamos National Laboratory Environmental Protection & Compliance – Compliance Program Group Los Alamos, New Mexico 87545

Revision 0

Permit Modification Request Technical Area 55 Hazardous Waste Storage Units

Revision 0

Prepared by: Los Alamos National Laboratory Environmental Protection & Compliance – Compliance Program Group Los Alamos, New Mexico 87545 [This page has been left intentionally blank.]

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- Attachment E: TA-55-0355 Pad Design Drawings

SECTION 1

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1.0 INTRODUCTION

This Class 2 permit modification requests the addition of three hazardous waste storage units to the Los Alamos National Laboratory Hazardous Waste Facility Permit (U.S. Environmental Protection Agency (EPA) (Identification Number NM0890010515)) hereinafter referred to as the Permit, issued by the New Mexico Environment Department (NMED) in November 2010, (NMED, 2010). Los Alamos National Laboratory (LANL or the Facility) is owned and co-operated by the U.S. Department of Energy (DOE) and Los Alamos National Security, LLC (LANS), collectively the Permittees. This modification request was prepared in accordance with requirements of Permit Part 1.6.2 (20.4.1.900 New Mexico Administrative Code (NMAC)) specific to the Technical Area (TA) 55-0355 Pad and rooms B13 and G12 located in the basement of TA-55, Building 4 (TA-55-4). The 20.4.1 NMAC adopts, with a few exceptions, all of the Code of Federal Regulations, Title 40, (40 CFR) Parts 260 to 266, Part 268, Part 270, and Part 273. Because of this, regulatory citations in this document reference the appropriate federal hazardous waste regulations. Table 1-1 provides a list of regulatory references and their corresponding locations in this permit modification request or previous applications.

The Permit contains many of the conditions addressing the requirements of the New Mexico Hazardous Waste Act (NMHWA) and implementing regulations, specifically 40 CFR, that are common to all LANL hazardous waste management units. The relevant sections of the Permit are referenced throughout this document. Together, information provided in this document and in the Permit will meet the applicable requirements specified in 40 CFR Parts 264 and 270 for the proposed unit.

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Regulatory Citation(s) 40 CFR	Description of Requirement	Location of Documentation	Revision or Supplementary Information
§270.13	Part A permit application	2013 LANL General Part A ¹ Updated form included as Attachment A of this permit modification request. Attachment C of this permit modification request includes the	Yes
		changes to the form in redline	
§270.14(b)(1)	General facility description	2003 TA-55 General Part B ² , Attachment A, Section A.1 and Section 3.1 of this permit modification request	Yes
§270.14(b)(2)	Chemical and physical analysis of hazardous waste	Permit ³ Section 2.4 and Permit ³ Attachment C	No
§270.14(b)(3)	Waste analysis plan	Permit ⁴ Attachment C	No
§264.13(b)	Development and implementation of a written waste analysis plan	Permit ³ Section 2.4 and Permit ³ Attachment C	No
§264.13(c)	Off-site waste analysis requirements	Permit ⁴ Section 2.2.1	No
§270.14(b)(4)	Security procedures and equipment	Permit ³ Section 2.5 and Permit ³ Attachment A, Sections A.5.10	No
§264.14	Security procedures and equipment	Permit ³ Section 2.5 and Permit ³ Attachment A, Sections A.5.10	No
§270.14(b)(5)	General inspection schedule	Permit ³ Section 2.6 and Permit ³ Attachment E	No
§264.15(b)	General inspection schedule	Permit ³ Section 2.6 and Permit ³ Attachment E	No
§264.174	Inspections/containers	Permit ³ Section 2.6 and Permit ³ Attachment E	No
§264.193(i)	Tank inspections	NA ⁴	NA ⁴
§264.195	Overfill control inspections	NA ⁴	NA ⁴
§264.226	Surface impoundment monitoring and inspection	NA ⁴	NA ⁴
§264.254	Waste pile monitoring and inspection	NA ⁴	NA ⁴
§264.273	Land treatment and operating requirements	NA ⁴	NA ⁴

Table 1-1. Regulatory Crosswalk

Date:

Regulatory Citation(s) 40 CFR	Description of Requirement	Location of Documentation	Revision or Supplementary Information
§264.303	Landfill monitoring and inspection	NA ⁴	NA ⁴
§264.602	Monitoring, analysis, inspection, response, reporting, and corrective action	NA ⁴	NA ⁴
§264.1033	Process vent standards	NA ⁴	NA ⁴
§264.1052	Equipment leak air emission standards	NA ⁴	NA ⁴
§264.1053	Compressor standards	NA ⁴	NA ⁴
§264.1058	Standards for pumps, valves, pressure relief devices, flanges, and connections	NA ⁴	NA ⁴
§264.1084	Air emission standards: tanks	NA^4	NA ⁴
§264.1085	Air emission standards: surface impoundments	NA ⁴	NA ⁴
§264.1086	Air emission standards: containers	Permit ³ Section 3.9 and Permit ³ Attachment E, Section E.8	No
§264.1088	Inspection and monitoring requirements	Permit ³ Section 3.9 and Permit ³ Attachment E, Section E.8	No
§270.14(b)(6)	Request for waiver from preparedness and prevention requirements of 264 Subpart C	NA ⁴	No
§264.30-34 & 37	Preparedness and prevention: applicability, design and operation, required equipment, testing and maintenance of equipment, access to communications or alarm systems, and arrangements with local authorities	Permit Section 2.10 Section 3.0 of this permit modification request	Yes
§264.35	Required aisle space	Permit ³ Section 3.5.1(1)	No
§264.227	Surface impoundment emergency repairs	NA ⁴	NA ⁴
§264.200	Air emissions standards for tanks	NA ⁴	NA ⁴

Date:

Regulatory Citation(s) 40 CFR	Description of Requirement	Location of Documentation	Revision or Supplementary Information
§270.14(b)(7)	Contingency Plan	Revisions to Permit ³ Attachment D, Tables D-2 (TA-55 Building 4 Basement) and D-3 (TA-55-0355 (Pad)) are included in Attachment C of this permit request	Yes
§264.50-56	Contingency plan and emergency procedures: applicability, purpose/implementation of contingency plan, content of contingency plan, copies of contingency plan, amendment to contingency, emergency coordinator, and emergency procedures	Revisions to Permit ³ Attachment D, TA-55, Tables D-2 (TA-55 Building 4 Basement) and D-3 (TA-55-0355 (Pad)) are included in Attachment C of this permit request	Yes
§270.14(b)(8)	Description of preparedness and prevention	Permit ³ Section 2.10	No
§270.14(b)(8)(i)	Hazard prevention in unloading operations	Permit ³ Section 3.11.2 and Attachment A, Sections A.3.1 & A.4	No
§270.14(b)(8)(ii)	Runoff prevention	Permit ³ Attachment A, Section A.4.6 2003 TA-55 Part B ² , Attachment G, Section G.2	No
§270.14(b)(8)(iii)	Prevent contamination of water supplies	2003 TA-55 Part B ² , Attachment J, Section J.3.3	No
§270.14(b)(8)(iv)	Mitigation of equipment failure and power outages	2003 TA-55 Part B ² , Attachment J, Section J.3.4	No
§270.14(b)(8)(v)	Prevention of undue exposure of personnel to hazardous waste	2003 TA-55 Part B ² , Attachment J, Section J.3.5	No
§270.14(b)(8)(vi)	Prevention of releases to the atmosphere	2003 TA-55 Part B ² , Attachment J, Section J.3.6	No
270.14(b)(9)	Prevention of accidental ignition or reaction of ignitable, reactive, or incompatible wastes	Permit ³ Section 2.8	No

Date:

Regulatory Citation(s) 40 CFR	Description of Requirement	Location of Documentation	Revision or Supplementary Information
§264.17	Procedures to prevent accidental ignition, reaction of ignitables, reaction of reactives, reaction of incompatibles, and documentation of compliance with 40 CFR §264.17 (general requirements for ignitable, reactive, or incompatible wastes)	Permit ³ Section 2.8	No
§270.14(b)(10)	Traffic pattern: volume, controls, and access	2003 TA-55 Part B ² , Attachment A.2	No
§270.14(b)(11)	Facility/unit identification and location information	Section 3.0 of the Permit Modification Request	Yes
§270.14(b)(11)(i)	Seismic standard applicability [40 CFR §264.18(a)]	Section 3.6.1 and Attachment B of the Permit Modification Request	Yes
§270.14(b)(11)(ii)	Seismic standard requirements	Section 3.6.1 and Attachment B of the Permit Modification Request	Yes
§270.14(b)(11)(ii)(A)	No fault within 3,000 feet (ft.) with displacement in Holocene time	Section 3.6.1 and Attachment B of the Permit Modification Request	Yes
§270.14(b)(11)(ii)(B)	If faults which have displacement in Holocene time are present within 3,000 ft. no faults pass within 200 f.t of portions of the facility where treatment, storage, or disposal will be conducted	Section 3.6.1 and Attachment B of the Permit Modification Request	Yes
§264.18(a)	Seismic considerations	Attachment B of the Permit Modification Request	Yes
§270.14(b)(11)(iii)	100-year floodplain standard	2003 TA-55 Part B ² , Attachment A.3.2	No
§270.14(b)(11)(iv)(A-C)	Facilities located within the 100- year floodplain	NA ⁴	NA
§270.14(b)(11)(v)	Compliance schedule for 40 CFR §264.18(b)	NA ⁴	NA ⁴
§270.14(b)(12)	Personnel training program (40 CFR §§264.13(a)(3) and 264.16)	Permit ⁴ Section 2.7 and Permit ⁴ Attachment F	No
§270.14(b)(13)	Closure and post-closure plans	Attachment D of the Permit Modification Request	Yes

Date:

Regulatory Citation(s) 40 CFR	ulatory Citation(s) 40 CFR Description of Requirement Location of Documentation		Revision or Supplementary Information	
§264, Subpart G	Closure and post-closure	Attachment D of the Permit Yes		
§264.178	Closure/containers	NA ⁴	NA ⁴	
§264.197	Closure and post-closure care/tanks	NA ⁴	NA ⁴	
§264.228	Surface impoundments	NA ⁴	NA ⁴	
§264.258	Waste piles	NA ⁴	NA ⁴	
§264.280	Land treatment	NA ⁴	NA ⁴	
§264.310	Landfills	NA ⁴	NA ⁴	
§264.351	Incinerators	NA ⁴	NA ⁴	
§264.603	Requirements by the Secretary	NA ⁴	NA ⁴	
§270.14(b)(14)	Deed restrictions/post-closure notices (40 CFR §264.119)	NA ⁴	NA ⁴	
§270.14(b)(15)	Closure cost estimate (40 CFR §264.142)	NA ⁴ NA ⁴		
§270.14(b)(16)	Post-closure cost estimate (40 CFR §264.144)	NA ⁴ NA ⁴		
§270.14(b)(17)	Liability insurance (40 CFR §264.147)	NA ⁴ NA ⁴		
§270.14(b)(18)	Proof of financial coverage (40 CFR §264.149-150)	NA ⁴ NA ⁴		
§270.14(b)(19)	Topographic map requirements	2013 LANL General Permit Part Application Rev 7.0		
§270.14(b)(19)(i)	Map scale and date	2003 TA-55 Part B ² , Attachment A No		
§270.14(b)(19)(ii)	100-year floodplain area	2003 TA-55 Part B ² , Attachment A No		
§270.14(b)(19)(iii)	Surface waters	2013 LANL General Permit Application Part A Application Rev No 7.0 (Map 3)		
§270.14(b)(19)(iv)	Surrounding land uses	Permit ⁴ Attachment N, Figures 1, 2, & 3 2013 General Permit Application Rev 7.0 (Map 1)	& 3 No ermit Application	
§270.14(b)(19)(v)	Wind rose	2003 TA-55 Part B ² , Attachment A, Figures A-6 and A-7		
§270.14(b)(19)(vi)	Map orientation	2003 TA-55 Part B ² , Attachment A	No	

Date:

Regulatory Citation(s) 40 CFR Description of Requireme		Location of Documentation	Revision or Supplementary Information
§270.14(b)(19)(vii)	Legal boundaries	2003 TA-55 Part B ² , Attachment A-8 2013 LANL General Permit Application Rev 7.0 (Map 1)	No
§270.14(b)(19)(viii)	Access control	2003 TA-55 Part B ² , Attachment A, Figure A-8 Permit ⁴ Attachment N, Figure 10	No
§270.14(b)(19)(ix)	Wells	Figure 3-11 of the Permit Modification Request	Yes
§270.14(b)(19)(x)	Buildings	Figures 3-2, 3-7, and 3-9 of the Permit Modification Request 2013 General Permit Application Rev 7.0 (Map 2)	Yes
§270.14(b)(19)(xi)	Drainage barriers or flood control	Figure 3-12 of this Permit Modification Request	Yes
§270.14(b)(19)(xii)	Location of operational units	Figure 3-1 of this Permit Modification Request	
§270.14(b)(20)	Considerations Under Federal Law	Section 3.6.3 of this Permit Modification Request	Yes
§270.3(a)	Wild and Scenic Rivers Act	Section 3.6.3 of this Permit Modification Request	Yes
§270.3(b)	National Historic Preservation Act	Section 3.6.3 of this Permit Modification Request	Yes
§270.3(c)	Endangered Species Act	Section 3.6.3 of this Permit Yes	
§270.3(d)	Coastal Zone Management	Section 3.6.3 of this Permit Modification Request	Yes
§270.3(e)	Fish and Wildlife Coordination Act	Section 3.6.3 of this Permit Yes Modification Request	
§270.3(f)	Executive Orders	Section 3.6.3 of this Permit Yes Modification Request	
§270.14(b)(21)	Notice of extension approval for land disposal facilities	NA ⁴ NA ⁴	
§270.14(b)(22)	A summary of the pre- application meeting	NA ⁴ NA ⁴	
§270.14(c)	Groundwater monitoring requirements for regulated units	2003 TA-55 Part B ² , Attachment A No	

Date:

egulatory Citation(s) 40 CFR Description of Requirement Location of Documentat		Location of Documentation	Revision or Supplementary Information
§270.14(d)	Information requirements for SWMUs 2003 TA-55 Part B ² , Section 4.0		No
§270.14(d)(2)	Information on releases from SWMUs	2003 TA-55 Part B ² , Section 4.0	No
§270.14(d)(3)	RCRA Facility Assessment sampling and analysis results	NA ⁴	NA ⁴
§270.15	Information requirements for containers	Permit ³ Part 3	No
§270.15(a)	Description of containment system	Permit ³ Section 3.7	No
§270.15(b)	Storage areas holding wastes that do not contain free liquids	Permit ³ Section 3.7, and Permit ³ Attachment A, Section A.5	No
§264.171	Condition of containers	Permit ³ Part 3	No
§264.172	Compatibility of waste with containers	Permit ³ Part 3	No
§264.173	Management of containers	Permit ³ Part 3	No
§264.175(a-c)	Containment	Units comply with containment requirements of Permit ³ Section 3.7 A general description of the units is located at Permit ³ Attachment A, Sections A.5	
§270.15(c)	Requirements for ignitable, reactive, and incompatible wastes	Permit ³ Sections 2.8 No	
§270.15(d)	Requirements for incompatible wastes	Permit ³ Section 2.8 No	
§264.176	15-meter storage buffer for ignitable or reactive wastes	Permit ³ Section 2.8 No	
§264.177(a)	Incompatible wastes in containers	Permit ³ Section 2.8 No	
§264.177(b)	Incompatible wastes in Containers Permit ³ Section 2.8		No
§264.177 (c)	Incompatible wastes separation or segregation	separation Permit ³ Section 2.8 No	
§264.17 (b)	Prevention of reactions	tions Permit ³ Section 2.8	
§264.17(c)	Documentation of precautions for ignitable, reactive or incompatible waste	S Permit ³ Sections 2.8 No	

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Regulatory Citation(s) 40 CFR	Description of Requirement	Location of Documentation	Revision or Supplementary Information
§270.15(e)	Information on air emission control equipment	Permit ³ Section 3.9 and Permit ³ Attachment E, Section E.8	No
§270.27	Air emission controls for containers	Permit ³ Section 3.9 and Permit ³ Attachment E, Section E.8	No
§270.16	Information requirements for tank systems	NA ⁴	NA ⁴
§270.17	Information requirements for surface impoundments	NA ⁴	NA ⁴
§270.18	Information requirements for waste piles	NA ⁴	NA ⁴
§270.19	Information requirements for incinerators	NA ⁴	NA ⁴
§270.20	Information requirements for land treatment facilities	NA ⁴	NA ⁴
§270.21	Information requirements for NA ⁴		NA ⁴
§270.62	Hazardous waste incinerator permits	NA ⁴	NA ⁴
§270.63	Permits for land treatment demonstrations using field test or laboratory analysis	NA ⁴	NA ⁴

¹ General Part A Permit Application (Revision 7) for the Los Alamos National Laboratory, EPA ID # NM0890010515, November 2013 (WM-DO-13-0075, ERID-251209).

² Resource Conservation and Recovery Act (RCRA), Technical Area (TA-55) Part B Permit Application Submittal – Los Alamos National Laboratory (LANL, 2003), EPA ID No. NM 890010515.

³ Requirement of information is also addressed in the *Hazardous Waste Facility Permit Issued by the New Mexico Environment Department to Los Alamos National Laboratory*, EPA No. NM0890010515, November 2010.

⁴ Not applicable.

SECTION 2

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2.0 OVERVIEW OF CLASS 2 PERMIT MODIFICATION REQUEST

This Class 2 permit modification request (PMR) is drafted for the addition of three hazardous waste management units located at Technical Area (TA) 55 to the Permit. The information within this document and its attachments address the relevant permit application requirements of 40 CFR Part 270, Subpart B. The three units to be permitted consist of the TA-55-0355 Pad and two rooms (B13 and G12) located in the basement of TA-55-4.

2.1 PERMIT MODIFICATION OUTLINE

This permit modification request is organized as follows:

- Section 1.0: Includes an introduction to the PMR and a crosswalk of the regulatory requirements associated with the units proposed to be permitted.
- Section 2.0: Overview of Class 2 Permit Modification Request
- Section 3.0: Includes a description of the TA-55-0355 Pad, rooms B13 and G12, as well as addressing environmental performance standards, waste characterization, security, preparedness, hazards prevention, emergency equipment, inspection requirements, and recordkeeping requirements.
- Section 4.0: Includes closure requirements for rooms B13, G12, and TA-55-0355 Pad.
- Section 5.0: Contains a list of references used throughout this document.
- Section 6.0: Contains the certification statement and signatures for this PMR as required by 40 CFR § 270.11.

Attachments included with this PMR provide detailed information to meet regulatory requirements. These attachments include the following:

- Attachment A: Part A Form
- Attachment B: Seismic Report for the TA-55 Facility
- Attachment C: Modifications to the LANL Hazardous Waste Facility Permit Redline
- Attachment D: TA-55 Closure Plans
- Attachment E: TA-55-0355 Pad Design Drawings

2.2 CLASS 2 PERMIT MODIFICATION REQUIREMENTS

The 40 CFR §270.42(b) requirements state that the Permittees shall submit a modification request to the Department that:

• Describes the exact changes to be made to the permit conditions and supporting documents referenced by the Permit;

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- Identifies that the modification is a Class 2;
- Explains why the modification is needed; and
- Provides the applicable information required by 40 CFR §270.14.

Sections 2.2.1 through 2.2.3 provide the information required by the first three bullets above. The remainder of the document contains the application information that is required by the fourth bullet above. Table 1-1 outlines each of the regulatory references and the location where the information can be found in historical documentation and/or within this permit modification request.

2.2.1 PROPOSED CHANGES TO BE MADE

Attachment C contains proposed changes to the Permit that incorporate descriptions and site specific equipment and procedures for this unit. Additional and revised text is proposed for Permit Parts and Attachments. The Permit sections proposed for revision include:

- Permit Part 3, Storage in Containers
- Permit Attachment A, Technical Area (TA) Unit Descriptions
- Permit Attachment B, Part A Application
- Permit Attachment D, General Contingency Plan
- Permit Attachment J, Hazardous Waste Management Units
- Permit Attachment N, Figures

The proposed changes to the Permit incorporate permit conditions appropriate for the new units as suggested by the Permittees to meet 40 CFR §270.32 for operation of the hazardous waste management units in a manner that protects human health and the environment. Proposed changes may be subject to further revisions following the NMED review.

The TA-55-0355 Pad was constructed in 2005. Design drawings are included in Section 3.0 of this permit modification request to illustrate the construction details for the TA-55-0355 Pad. 40 CFR §270.14(a) requires that design drawings submitted with waste management unit applications for approval be certified by a qualified Professional Engineer. The drawings in this permit modification request have been certified by Professional Engineers registered in the State of New Mexico. These engineers were responsible for the preparation of the drawings in support of the design process for the units.

Design drawings for rooms B13 and G12 are not included in this permit modification request, as the building already includes several permitted storage areas, and the TA-55-4 Building meets the requirements in Permit Section 1.9.20.

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2.2.2 PURPOSE OF THE PERMIT MODIFICATION

The intent of this Class 2 permit modification request (PMR) is to add three hazardous waste storage units (TA-55-0355 Pad, rooms B13 and G12) to the Permit.

Transuranic (TRU) waste shipments from LANL are not expected to resume until September 2017. The number of shipments available to LANL will not meet projected generation rates until ventilation modifications are completed at the Waste Isolation Pilot Plan (WIPP), currently forecasted for 2020. Current projected shipment estimates are much less than historic practices due to changes at WIPP. With the TA-55 current inventory and projected waste generation rate, one shipment per week will take years to deplete LANL's TRU and mixed transuranic (MTRU) waste inventory. A large number of the TRU waste inventory at TA-55 includes Pipe Overpack Containers (POCs) containing combustibles. As stated in the Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant, Rev. 8, dated July 5, 2016, POCs containing combustible material are not accepted at WIPP. This is due to new testing on the POC integrity. Additionally, the Transuranic Waste Facility (TWF) at TA-63 has yet to become operational and although storage capability at TWF will help, half of the containers that are already in inventory at TA-55 are not WIPP compliant. TWF was designed to be a TRU waste certification facility and not a long term storage facility. Movement of waste, including POCs containing combustibles from one LANL permitted unit to another is ineffective, unless this type of waste is being relocated for certification for acceptance at WIPP or for repackaging purposes.

A subset of containers currently stored at TA-55 will require management at the Waste Characterization, Reduction, and Repacking Facility (WCRRF) prior to being WIPP-compliant as the waste acceptance criteria for WIPP has changed since the waste was generated. WCRRF is currently undergoing readiness assessments to begin treatment operations and the processing of waste containers currently stored at TA-54, Area G. At this time, these waste containers are scheduled with priority in support of the anticipated closure of the storage units at TA-54 Area G. Therefore, those containers currently stored at TA-55 that require management for shipment to WIPP, will remain in storage at TA-55 until WCRRF processing becomes operational and available.

In addition to the limitations for off-site shipment of the current waste stockpile, the restart for TA-55-4 operations began in August 2015 and full restart of activities commenced on August 18, 2016. TA-55 is a part of LANL's strategic role regarding support of the DOEs Stockpiles Stewardship Program that is administered by the National Nuclear Security Administration (NNSA) and nuclear defense and research programs. The Laboratory will continue to execute long-term planning for TA-55-4 operations. With the return of full operations at TA-55-4, an anticipated increase in the generation of MTRU and TRU waste is expected. Also, in order to meet current and future mission needs, modernization of the facility is required, that includes the removal of dated gloveboxes and other equipment. These larger size containers that contain this type of equipment are also being stored, and will continue to be stored at the current permitted outdoor unit, limiting storage capacity for operations generated waste. In

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order for the oversize waste to be shipped off-site, the waste will require resizing and/or repackaging. Currently those capabilities are not available at TA-55.

The intended use of the proposed storage units will not only facilitate continued mission-critical operations at TA-55, but will also provide additional storage for the increase in hazardous and MTRU waste.

2.2.3 JUSTIFICATION FOR CLASSIFICATION

The addition of the three proposed units will result in up to and no greater than a 2% increase in the Facility's storage capacity. This Class 2 PMR will be initiated pursuant to 40 CFR 270.42, Appendix I, Item F.1.b. The capacity for the three units (TA-55-0355, rooms B13 and G12) combined is approximately 94,545 gallons (gal.) (1,719 drum or drum equivalent D/DE). The total current capacity for existing, permitted hazardous waste storage units at the Facility, as listed in Table J-1, *Active Portion of the Facility* in Attachment J, *Hazardous Waste Management Units, of the Permit,* is 5,135,602 gal. (~93,374 D/DE). **SECTION 3**

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3.0 FACILITY REQUIREMENTS

This section of the permit modification request addresses general requirements for TA-55 that are not currently in the Permit. If the information is contained in the Permit it is not discussed in this request. Information provided that is specific to the units to be permitted include: waste management unit descriptions, preparedness and prevention, emergency equipment, and a listing and locations for required topographic maps.

3.1 DESCRIPTION OF THE PROPOSED WASTE MANAGEMENT UNITS

The three proposed waste management units in this application will provide additional storage for hazardous and mixed wastes. The three proposed units (Figure 3-1) are existing structures and consist of rooms B13 and G12 that are located in the basement of Building 4 (TA-55-4) and the TA-55-0355 Pad. Table 3-1 identifies each of the units requesting to be permitted, including the location and maximum storage capacity. The units will provide container storage for hazardous waste, including the hazardous component of mixed transuranic (MTRU) waste and mixed low-level (MLLW) waste streams. These units may also manage hazardous-only waste streams generated at TA-55. The information provided in this section is submitted to address the applicable requirements of 40 CFR § 270.14(b)(1).

Waste Management Unit Name	Location	Capacity (gallons)
TA-55-0355 Pad	Southwest of TA-55-4	84,370
Room B13	TA-55-4, Basement	4,950
Room G12	TA-55-4, Basement	5,225

Table 3-1. TA-55 Proposed Units to be Permitted

3.1.1 TA-55-0355 PAD

The TA-55-0355 Pad, formerly known as the Safe Secure Transportation (SST) Pad, was constructed in 2005. The TA-55-0355 Pad is located outside and south of the Outdoor Storage Pad and TA-55-4. It is a concrete pad with a variable thickness of 4 to 6 inches and dimensions of 130 ft. long and 115 ft. wide. The pad also includes a steel roof structure with dimensions of approximately 93 ft. long and 63 ft. wide. A mobile High-Energy Neutron Counter (HENC), three safes for the storage of HENC calibration sources, and miscellaneous support equipment, such as fork lifts, are currently located on the TA-55-0355 Pad. The HENC unit is used to validate the radioactive content of waste drums intended for shipment to the Waste Isolation Pilot Plant (WIPP). The HENC system and associated equipment occupy only a portion of the pad area, leaving ample space for the proposed storage unit.

The proposed permitted boundary includes the area underneath the canopy and the north and south areas bordering the canopy. The dimensions of the proposed permitted boundary are approximately 130 ft. long and 103 ft. wide. Waste storage will not occur on the sloped east and western sides. The permitted boundary will be demarcated in accordance with Permit

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Section 3.5(2). Waste will be stored in accordance with Permit Section 3.5.1. Two walls with roll up doors for wind protection will be installed on the south and west sides of the canopy. Therefore, the two ft. emergency egress will be maintained along these two sides in accordance with Permit Section 3.5.1(1). See Figure 3-2 for a plan view of the TA-55-0355 Pad. The TA-55-0355 Pad will consist of one waste management unit. The Permittees intend to eventually remove the HENC unit and the associated safes from the pad. As a result, the maximum storage capacity on the pad was calculated based on the utilization of the entire area directly underneath the canopy as well as the north and south areas bordering the canopy as depicted in Figure 3-3. The maximum storage capacity is determined to be 84,370 gallons or the equivalent of 1,534 - 55 gallon drums. The waste will be stored in:

- 30-, 55-, and 85- gallon drums;
- standard waste boxes (SWBs); and
- large waste boxes.

Approximate storage configuration is shown in Figure 3-3. No containers with free liquids will be stored on the pad; therefore, secondary containment will not be necessary.

Design drawings for the pad and the canopy are included for TA-55-0355 as Figures 3-4, 3-5 and 3-6, in this permit modification request to illustrate the construction details for the unit structures. The construction and design was completed in 2005 in accordance with 40 CFR §270.14(a). Additional design drawings for TA-55-0355 Pad are included as Attachment E of this permit modification request. These drawings have been certified by Professional Engineers registered in the State of New Mexico. These engineers were responsible for the preparation of the drawings in support of the design process for the units.

3.1.2 ROOM B13

Room B13 is located in the northeast side of the TA-55-4 basement. This storage room is rectangular in shape with doors located on each end of the room (495 ft.²) (Figure 3-7). The maximum storage capacity of this unit is 4,950 gallons or the equivalent of 90 drums (55-gallons). The types of waste containers holding hazardous or mixed waste that will be stored in Room B13 includes 30-, 55- and 85-gallon drums and SWBs. Waste will be stored as shown in the configuration in Figure 3-8. The permitted boundary will be demarcated in accordance with Permit Section 3.5(2). No containers with free liquids will be stored in the unit, so secondary containment will not be necessary.

3.1.3 ROOM G12

Room G12 is located in the southwest side of the TA-55-4 basement. This storage area is irregularly shaped (512.98 ft.²) with walls and ceilings that consist of chain link fencing. The dimensions are shown in Figure 3-9. The maximum storage capacity of this unit is 5,225 gallons or the equivalent of 95 drums (55-gallon). The types of waste containers holding hazardous or mixed waste that will be stored in Room G12 include 30-, 55- and 85-gallon drums and SWBs.

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These waste containers will be stored in the configuration shown in Figure 3-10. The permitted boundary will be demarcated in accordance with Permit Section 3.5(2). No containers with free liquids will be stored in this unit, so secondary containment will not be necessary.

3.1.4 STORAGE ACTIVITIES

Waste containers will be stored in the designated permitted area of TA-55-0355 Pad. Raised pallets or wheeled drum dollies will be used to elevate 55 gallon drums off the floor. The drums on pallets as well as the SWBs may be stacked two (2) high. Not more than 84,370 gallons or the equivalent of 1,534 drums (55-gallon) of waste will be stored in the unit at any one time. In Room B13, drums will be placed on pallets or wheeled drum dollies and may be stacked two (2) high. No more than 4,950 gallons or the equivalent of 90 drums (55-gallon) will be stored in the unit at any one time. In Room G12, drums will be placed on pallets or wheeled drum dollies or wheeled drum dollies and may be stored in the unit at any one time. In Room G12, drums will be placed on pallets or wheeled drum dollies and may be stacked two (2) high. No more than 5,225 gallons or the equivalent of 95 drums (55-gallon) will be stored in the unit at any one time. SWBs are not anticipated to be stacked in rooms B13 and G12. No containers with free liquids will be stored at the three storage units. These storage units will increase the storage capacity at TA-55 by approximately 2%. Forklifts or hand trucks will be used to move the waste.

All storage activities will be managed according to all applicable requirements contained in the Permit, including Part 1 – General Permit Conditions; Part 2 – General Facility Conditions; Part 3 – Storage in Containers; Attachment C – Waste Analysis Plan; Attachment D – Contingency Plan; Attachment E – Inspection Plan; and Attachment F – Personnel Training Plan.

3.2 AUTHORIZED WASTES AND WASTE ACCEPTANCE

The TA-55-0355 Pad, rooms B13 and G12 will store hazardous wastes identified by one or more of the EPA Hazardous Waste Numbers presented in LANL General Part A Permit Application, Amendment 19, that are currently associated with wastes in storage at TA-55 and included in the LANL Permit, Attachment B, *Part A Application*.

3.3 PREPAREDNESS AND PREVENTION

The following sections present how operations at the TA-55-0355 Pad, rooms B13 and G12 will comply with the preparedness and prevention requirements of 40 CFR Part 264, Subpart C. Health and safety procedures followed by site personnel during routine operations are described in Section 3.4 *Hazards Prevention*. New equipment will be added to all three storage units.

3.3.1 REQUIRED EQUIPMENT

Decontamination equipment is available at the TA-55-0355 Pad, rooms B13 and G12. This equipment includes a spill control station and a portable eyewash station. No safety showers are required since no free liquids will be stored at these units. Additional decontamination

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equipment may be provided by LANL's Security and Emergency Operations (SEO) Emergency Response (ER) personnel.

3.4 HAZARDS PREVENTION

A description of the preventive procedures, structures, and equipment at the TA-55-0355 Pad, rooms B13 and G12 is presented below. This information is provided in accordance with the requirements of 20.4.1 NMAC, Subpart V, Part 264, Subpart C, and 20.4.1 NMAC §270.14(b)(8) [6-14-00].

3.4.1 PREVENTING HAZARDS UNLOADING

Flatbed trucks, trailers, forklifts, or other appropriate vehicles may be used to transport waste containers to and from the waste management units at TA-55. Forklift operators may use a boom, if necessary, to improve handling capabilities. Small containers may be handled manually or with a dolly. Operators are required to use handling equipment appropriate to a container's size and weight to mitigate hazards while moving containers.

3.4.2 PREVENTING RUN-ON/RUN-OFF

Runoff from TA-55-0355 Pad to other areas of the facility or to the environment is and will be prevented. No free liquids will be stored at the TA-55-0355 Pad. The TA-55-0355 Pad waste storage unit includes the area underneath the canopy and the north and south areas bordering the canopy, which significantly reduces precipitation run-on. Runoff control of liquids resulting from fire-suppression activities will be accomplished by using a vacuum truck, a portable pump, a high-efficiency particulate air (HEPA) vacuum, and/or sorbents, depending on the volume and location of accumulated liquid.

The TA-55-0355 Pad has a slope of 1/8 in. per ft., sloping from north to south. The concrete apron around the pad gently slopes away from the concrete that is under the pad's canopy. Site drainage allows rain water to flow away from the pad (Figure 3-2). Pursuant to the requirements of 20.4.1 NMAC §270.14(b)(19)(xi) [6-14-00], contours and surface drainage around the TA-55-0355 Pad are shown in Figure 3-12 of this document. These features will prevent run-on to the TA-55-0355 Pad.

Given that rooms B13 and G12 are within TA-55-4, run-on/run-off prevention is not applicable.

3.4.3 MITIGATING EFFECTS OF POWER OUTAGES

Electrical power is supplied to operate the public address (PA) system, various instruments, and other electrical equipment at the TA-55-0355 Pad and TA-55-4, including rooms B13 and G12. In the event of a power failure, portable generators are available from the Facility and Waste Operations Division support office and at building TA-55-3. Evacuation alarms located throughout TA-55 are equipped with a battery backup and will continue to operate for eight hours during a power failure. Waste management operations would be discontinued

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temporarily if electrical power was not restored quickly or if container-handling equipment failed. Neither a power nor an equipment failure would affect containment at the TA-55-0355 Pad.

3.4.4 PREVENTING RELEASES TO THE ATMOSPHERE

Releases to the atmosphere are not anticipated from the waste stored on the TA-55-0355 Pad or rooms B13 and G12. All waste containers meet DOT Class A shipping container standards and will be fully inspected before placement at the units. All containers will be kept closed during handling and storage. No waste repackaging is allowed at any of the permitted units. During storage, waste containers will be inspected in accordance with Attachment E Inspection Plan requirements. In the event of an unexpected release, all personnel working within or near the area would be notified immediately to evacuate.

3.5 CONTINGENCY PLAN

In accordance with 40 CFR Part 264, Subpart D and 40 CFR § 270.14(b)(7), emergency measures applicable to the TA-55-0355 Pad, rooms B13 and G12 will be included in Permit Attachment D, *Contingency Plan* (proposed language is shown in redline text in Attachment C of this permit modification request). A copy of the Contingency Plan in Attachment D of the Permit will be maintained at each of the units. Proposed contingency plan language for the TA-55-0355 Pad is presented in Section 3.5.1 of this permit modification request. Rooms B13 and G12 will be added to the existing *Permit Attachment D, Table D-2, TA-55 Building 4 Basement Contingency Plan* (Attachment C of this permit application).

An evacuation route and assembly/muster area that may be used at the units in the event of an emergency is updated and accessible at all times. The evacuation route, assembly/muster area location, and emergency equipment are subject to change.

3.5.1 EMERGENCY EQUIPMENT AT THE TA-55-0355 PAD

The following sections list the equipment located at the TA-55-0355 Pad in case of an emergency.

3.5.1.1 Fire Control Equipment

Four ABC rated fire extinguishers are located at the TA-55-0355 Pad. An ABC rated fire extinguisher is located in each vehicle used to transport waste containers to the unit.

Description of General Capabilities:

Portable and manually operated fire extinguishers may be used by any qualified employee in the event of a small fire. For larger fires, the Los Alamos Fire Department (LAFD) is alerted and requested to respond.

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3.5.1.2 Communication Equipment

A telephone is located on the north side of the TA-55-0355 Pad and within the High Energy Neutron Counter (HENC) unit. The facilities public address (PA) system can be heard from the TA-55-0355 Pad.

Description of General Capabilities:

A telephone for internal and external communication is available for use by any employee. Employees can be notified of an emergency situation and appropriate response action through the PA system.

No fire alarm pull station is located at the TA-55-0355 Pad. The nearest fire alarm pull box is located outside of TA-55-4 on the south dock. In case of a fire, notification will be made via the telephone.

Description of General Capabilities:

Manually-operated fire alarms may be activated by any employee in the event of a fire to alert site personnel, LANL Emergency Response Personnel, and the LAFD.

Fire and public address system alarms are located throughout the facility.

Description of General Capabilities:

The fire and public address system are activated or used to provide a sound signal to alert personnel of fires or the need to clear the area.

3.5.1.3 Decontamination Equipment

An eyewash station and any applicable Safety Data Sheets (SDSs) are available at the TA-55-0355 Pad or at the Operation Support Building. SDS information is maintained where appropriate for personnel accessibility and is used for chemicals that will be needed to support operations or emergency activities.

Description of General Capabilities:

The eyewash may be used by personnel who receive a chemical splash to the eyes. Specific SDSs should be reviewed prior to working with chemicals. No free liquids will be stored on the pad.

3.5.1.4 Personal Protective Equipment

Personnel at the TA-55-0355 Pad will be required to use appropriate PPE to protect themselves from hazards found under normal conditions. This PPE may include gloves, steel toe shoes, and

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eye protection. Additional PPE may be required during unusual hazardous situations. First aid kits and hearing protection will also be available.

Description of General Capabilities:

To prevent undue exposure of personnel to hazardous or mixed waste, PPE appropriate for the waste containers being managed will be worn by all on-site personnel at the TA-55-0355 Pad. First aid kits are available and may be used by personnel who sustain minor injuries at the unit in the course of operations. Hearing protection may be used by operations personnel to mitigate noise impacts.

3.5.1.5 Other

If transportation is needed for evacuation, vehicles may be obtained through the Emergency Management and Response Group.

3.6 FACILITY REQUIREMENTS

This section of the TA-55 Permit modification request addresses facility information requirements including location information (i.e., seismic standard), provides a listing and location for required topographic maps, and an evaluation of other federal laws. Floodplain standards are addressed in the 2003 TA-55, Part B Application (LANL, 2003)

3.6.1 SEISMIC STANDARD

The proposed TA-55-0355 Pad and rooms B13 and G12 are in compliance with the seismic location standards of 40 CFR §270.14(b)(11) and 264.18(a). These regulations require seismic studies for new facilities to demonstrate that evidence of Holocene faulting is not found within 200 feet of the waste management unit. The seismic investigation included in Attachment B, *Seismic Report*, of this permit modification request demonstrates that there has been no direct evidence observed for Holocene faulting within the radius of the Pad. While the report included as Attachment B contains discussion for both TA-55-0355 and TA-55-4, compliance with the seismic location standards for TA-55-4 basement were demonstrated as part of the application process and permitting of the other units within the building.

3.6.2 FLOODPLAIN STANDARD

TA-55-0355 and TA-55-4 (including rooms B13 and G12) are located on a mesa top. In accordance with 40 CFR §§ 270.14(b)(11)(iii through v), TA-55-0355 and TA-55-4 are not located within the 100-year floodplain boundary.

In accordance with the requirements of 40 CFR §270.14(b)(19)(ii), LANL has mapped all 100 year floodplain boundaries with the Facility, as required in Module VIII: Special Conditions Pursuant to the 1984 Hazardous and Solid Waste Amendments to RCRA for Los Alamos National

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Laboratory. A report was published documenting the floodplain mapping procedures (McLin et. al., 1992). These maps were revised after the Cerro Grande Fire and a new report was generated (McLin et. al., 2001). Figure 3-12 of this permit modification request shows that the TA-55 units are not within the 100-year floodplain.

3.6.3 ARCHEOLOGICAL SITES

There are two archeological sites located near TA-55. The two sites are located northeast and southeast of TA-55-4. These sites are protected under the National Historical Preservation Act. TA-55-0355 and TA-55-4 (including rooms B13 and G12) are not within the footprint of the two archeological sites.

3.6.4 TOPOGRAPHIC MAPS

Topographic maps and figures are provided in this permit modification request or referenced to meet the requirements of 40 CFR § 270.14(b)(19). The maps clearly show the map scale, the date of preparation, and a north arrow. The maps and figures used to fulfill the regulatory requirements in this submittal include the following:

- A 100-year floodplain map showing the location of the TA-55 units is included in the 2003 TA-55, Part B Application (Attachment A) (LANL, 2003). Figure 3-12 of this permit modification request includes the floodplain locations following the Cerro Grande Fire.
- Maps showing surface waters, including intermittent streams, near the TA-55 units are located in the LANL General Part A Permit Application, Revision 7.0 (LANL, 2013).
- Surrounding land uses (e.g., residential, recreational) are included in Permit Attachment N, Figures 1, 2, & 3 and 2013 General Permit Application, Revision 7.0 (LANL, 2013).
- Wind roses for TA-55, the location of the closest wind observation towers to TA-55 at LANL, are shown in the 2003 TA-55 Part B, Attachment A, Figures A-6 and A-7 (LANL 2003).
- Maps showing the legal boundaries of LANL are located in Attachment N, Figures 1 through 3 of the Permit, 2003 TA-55 Part B, Attachment A-8 (LANL, 2003) and the 2013 General Permit Application, Revision 7.0 (LANL 2013).
- The access control features are located in the 2003 TA-55 Part B, Attachment A-8 (LANL, 2003), Permit Attachment N, Figure 10 (LANL, 2010).
- Maps showing supply wells, monitoring wells, test wells, springs, and surface-water sampling stations are included as Figure 3-11 of this permit application.
- The locations of buildings and structures, the hazardous waste management units, and the terrain topography are included as Figure 3-1 of this permit application.
- A map showing NPDES discharge structure locations is included as Map 2 in the LANL General Part A Permit Application, Revision 7.0 (LANL 2013).

- Drainage control features located near the permitted sites are shown on Figure 3-12 of this permit modification request.
- Natural surface drainages at the TA-55 are shown on the topographic map included as Figure 3-12 of this permit modification request.
- Fire stations serving LANL and the County of Los Alamos are shown on Figure 49 of Permit Attachment N.

3.6.5 OTHER FEDERAL LAWS

The following federal laws are required under 40 CFR §§ 270.3 and 270.14(b)(20), to be given consideration when applying for a hazardous waste facility permit. When any of these laws are applicable, their procedures must be followed.

The Wild and Scenic Rivers Act (16 United States Code [USC] 1273 et seq.) provides for a national wild and scenic rivers system and prohibits construction of any waterway that would have a direct adverse effect on the values for which a wild and scenic river was established.

The National Historic Preservation Act of 1966 (16 USC 470 et seq.) establishes a program for the preservation of historic properties throughout the country. The act has provisions that require mitigation of adverse effects to registered properties.

The Endangered Species Act of 1973 (16 USC 1531) provides for the conservation of endangered and threatened species of fish, wildlife, and plants. The act prohibits any action that would jeopardize the continued existence of any endangered or threatened species or adversely affect its critical habitat.

The Coastal Zone Management Act of 1972 (16 USC 1451 et seq.) establishes national policy for the management, use, protection, and development of land and water resources of the nation's coastal zones. Section 307(c) of the act and implementing regulations prohibit the U.S. EPA from issuing a permit for activity affecting coastal zone land or water without the certification from the applicant that the activity is in compliance with the state Coastal Zone Management Program.

The Fish and Wildlife Coordination Act of 1934, as amended (16 USC 661 et seq.) promotes the conservation of wildlife, fish, and game and integrates this conservation with water resource projects. Certain provisions of the act require that permits proposing or authorizing the impoundment, diversion, or other control or modification of any body of water be considered by the appropriate state agency for impacts to wildlife resources.

Consideration was given to the National Historic Preservation Act, the Endangered Species Act, and the Fish and Wildlife Coordination Act because of ongoing programs at LANL.

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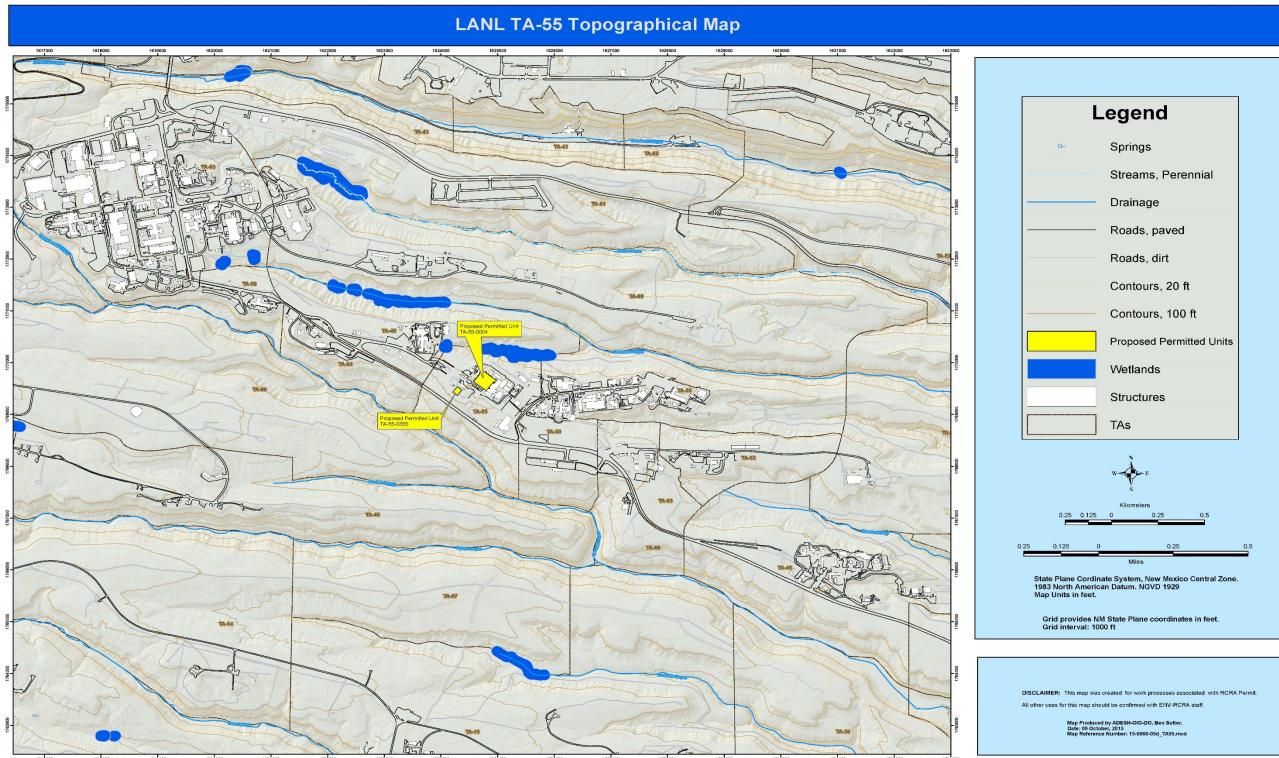
The National Historic Preservation Act is administered by the Advisory Council on Historic Preservation, appointed by the President, and the New Mexico State Historic Preservation Office. Section 106 of the Act requires DOE to consider the effects of its actions on historic properties, and provide the Council with a reasonable opportunity to comment on those actions and the manner in which DOE takes historic properties into account in their decisions. DOE accomplishes this through consultation with the State Historic Preservation Office whenever a project may potentially impact a historic property. LANL may prepare a Historic Building Survey Report assessing the eligibility of a historic building dating from the Manhattan Project and early Cold War periods (1943 to 1956) for the National Register of Historic Places and evaluating the impacts of the proposed actions. The consultation process was formalized in April 2000 through a Programmatic Agreement between DOE, the Advisory Council, and the State of New Mexico.

For any undertaking on DOE land that may directly or indirectly impact threatened and endangered (T&E) species or their habitat, DOE must consult with the U.S. Fish and Wildlife Service (USFWS), as provided under Section 7 of the Endangered Species Act. Similarly, DOE must consult with the USFWS for projects that would impound, divert, or otherwise control or modify a body of water, as required by the Fish and Wildlife Coordination Act.

For Endangered Species Act compliance, LANL may prepare a Biological Assessment to document the presence of T&E species and to evaluate the impacts of a project on a listed species or its habitat. DOE will then request in writing that the USFWS concur with the DOE's findings in the Biological Assessment. In recent years, DOE and LANL have streamlined the consultation process by preparing a T&E Species Habitat Management Plan. This plan fulfills the provisions of the Endangered Species Act that require federal agencies to carry out programs for the conservation of T&E species and their habitat. The USFWS approved this plan originally in February 1999 and the plan is updated as needed.

Provisions in the Wild and Scenic Rivers Act and the Coastal Zone Management Act are not applicable to LANL's activities.

Consideration will be given to Executive Orders, issued by the President, that are relevant to waste management activities at LANL. When any of these Orders are applicable, its provisions will be followed. Requirements for Executive Orders are reserved in 40 CFR § 270.3(f).





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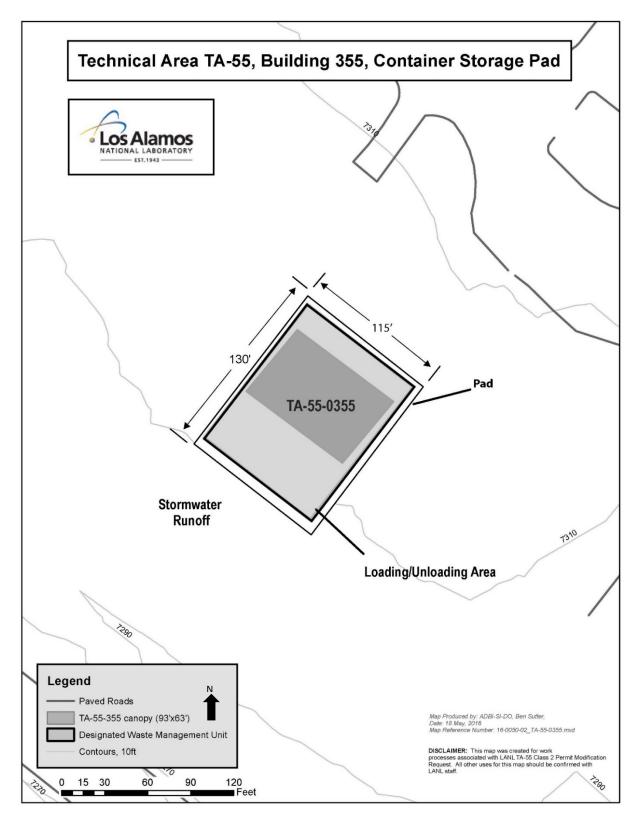


Figure 3-2 TA-55-0355 Plan View

Document:	LANL TA-55 Permit Modification Request
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Date:	January 2017



Figure 3-3. TA-55-0355 Container Storage Configuration

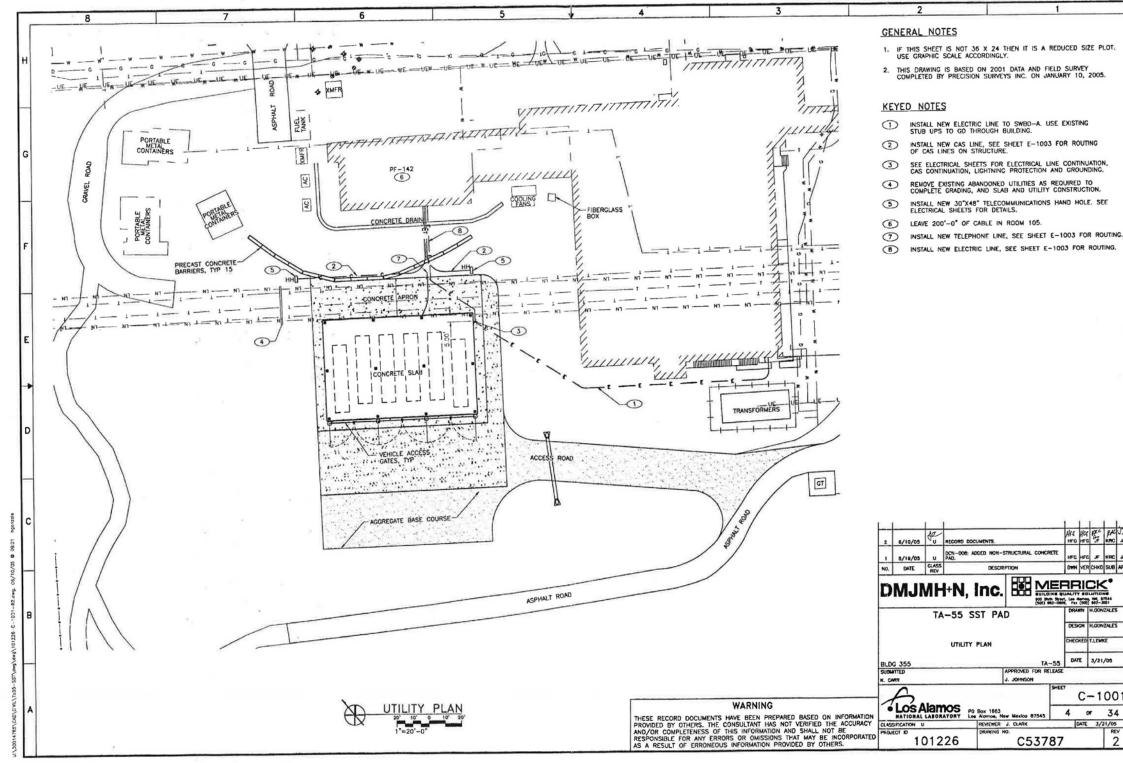


Figure 3-4. TA-55-0355 Design Drawing (Concrete Slab Plan View)

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3 SEE ELECTRICAL SHEETS FOR ELECTRICAL LINE CONTINUATION CAS CONTINUATION, LIGHTNING PROTECTION AND GROUNDING.

(2) INSTALL NEW CAS LINE, SEE SHEET E-1003 FOR ROUTING OF CAS LINES ON STRUCTURE.

(1) INSTALL NEW ELECTRIC LINE TO SWBD-A. USE EXISTING STUB UPS TO GO THROUGH BUILDING.

2. THIS DRAWING IS BASED ON 2001 DATA AND FIELD SURVEY COMPLETED BY PRECISION SURVEYS INC. ON JANUARY 10, 2005

1. IF THIS SHEET IS NOT 36 X 24 THEN IT IS A REDUCED SIZE PLOT. USE GRAPHIC SCALE ACCORDINGLY.

Document: LANL TA-55 Permit Modification Request

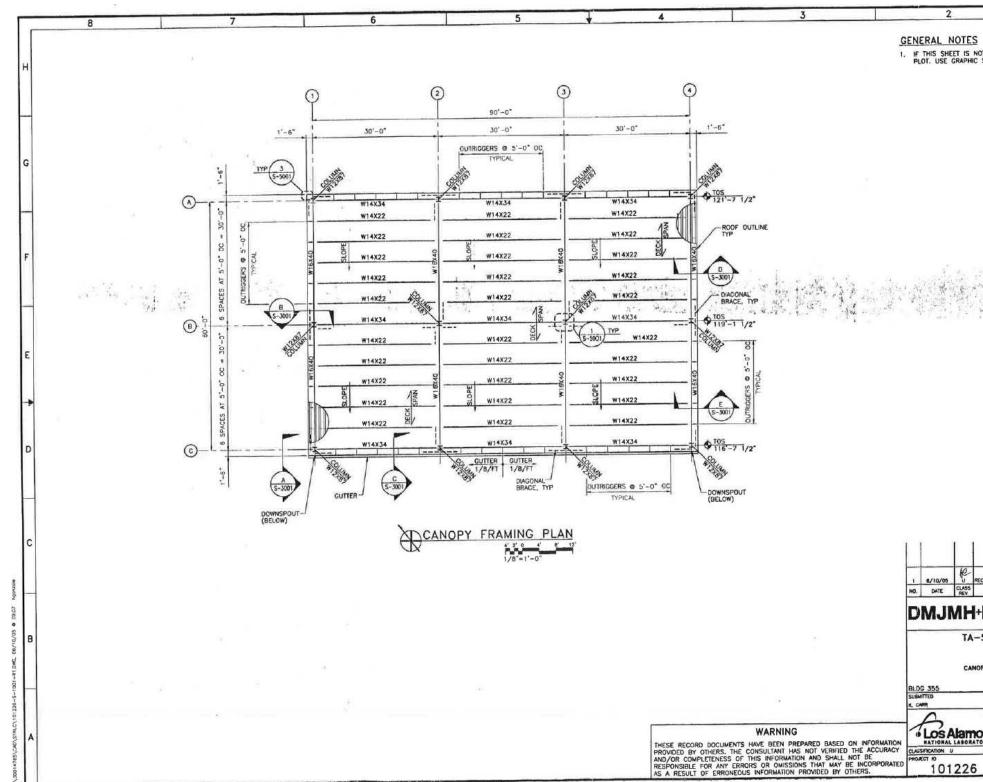


Figure 3-5. TA-55-0355 Design Drawing (Canopy Framing Plan)

Document: LANL TA-55 Permit Modification Request

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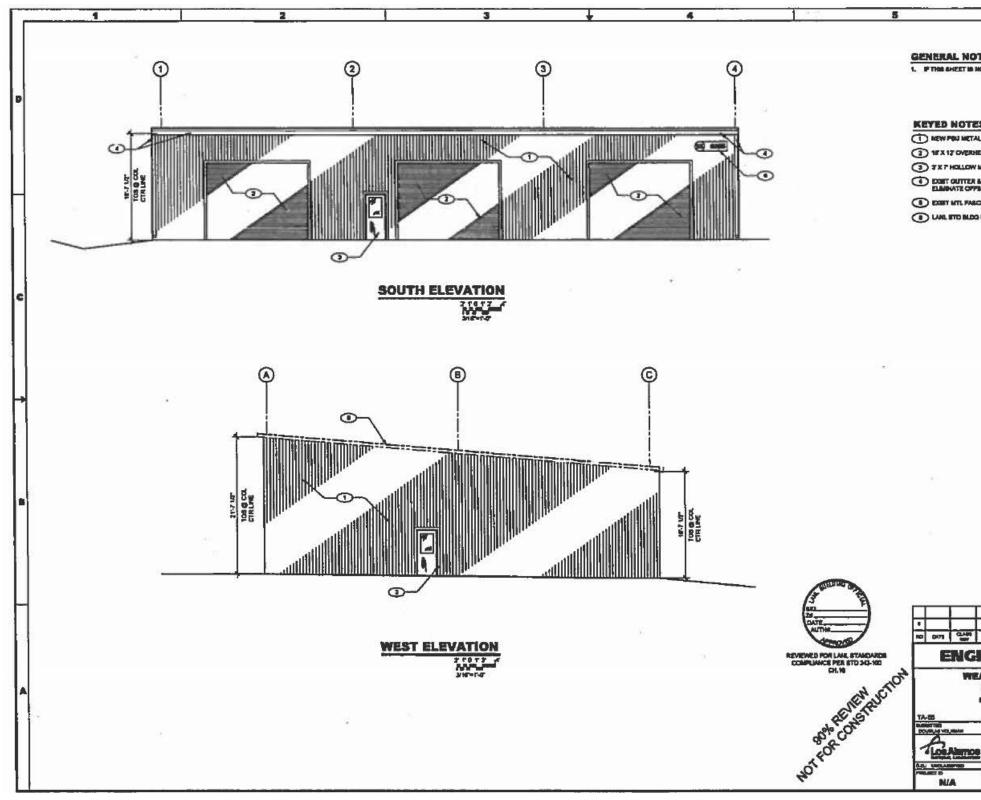


Figure 3-6. TA-55-0355 Design Drawing (Wind Walls)

5	Permit	Modification	Request

8
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Document:	LANL TA-55 Permit Modification Request
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Date:	January 2017

Figure 3-7. Room B13 Floor Plan

Document:	LANL TA-55 Permit Modification Request
Revision:	0.0
Date:	January 2017

Figure 3-8. Room B13 Container Storage Configuration

Document:LANL TA-55 Permit Modification RequestRevision:0.0Date:January 2017

Figure 3-9. Room G12 Floor Plan

Document:LANL TA-55 Permit Modification RequestRevision:0.0Date:January 2017

Figure 3-10. Room G12 Container Storage Configuration

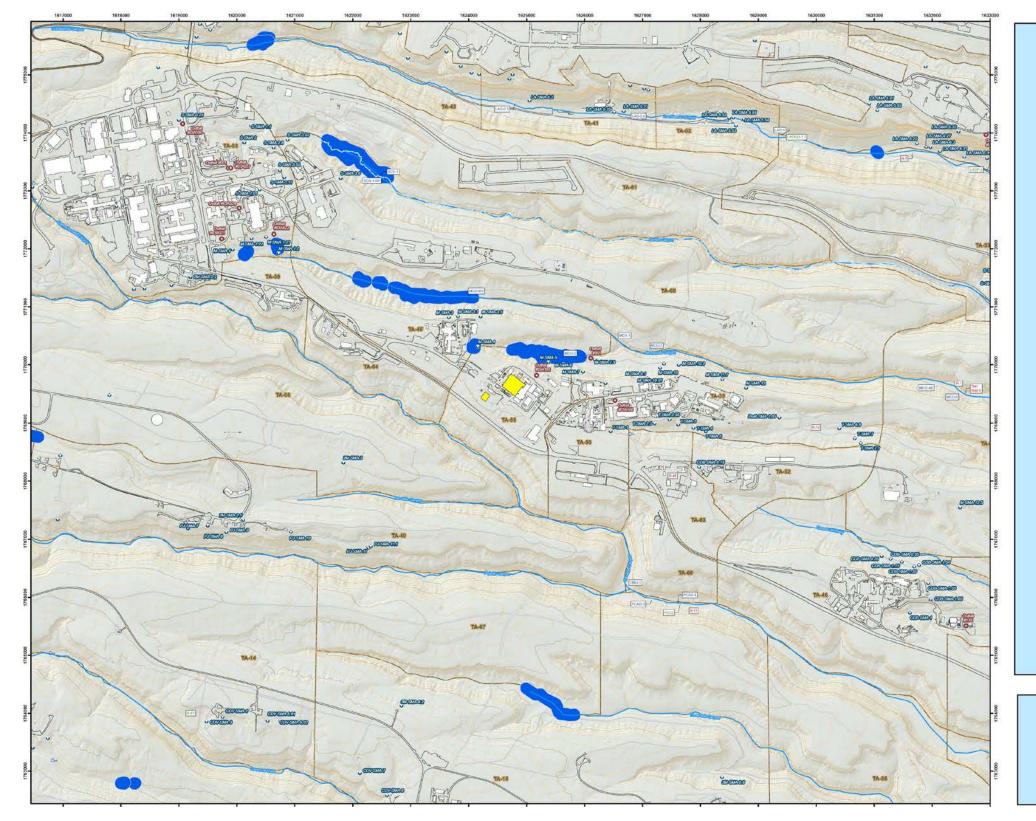
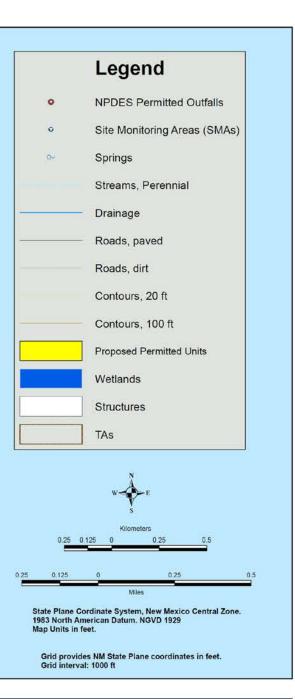


Figure 3-11. Wells

Document: LANL TA-55 Permit Modification Request



DISCLAIMER: This map was created for work processes associated with RCRA Permit. All other uses for this map should be confirmed with ENV-RCRA staff.

Map Produced by ADESH-OIO-DO, Ben Sutter, Date: 08 October, 2015 Map Reference Number: 15-0066-05_TA55.mxd

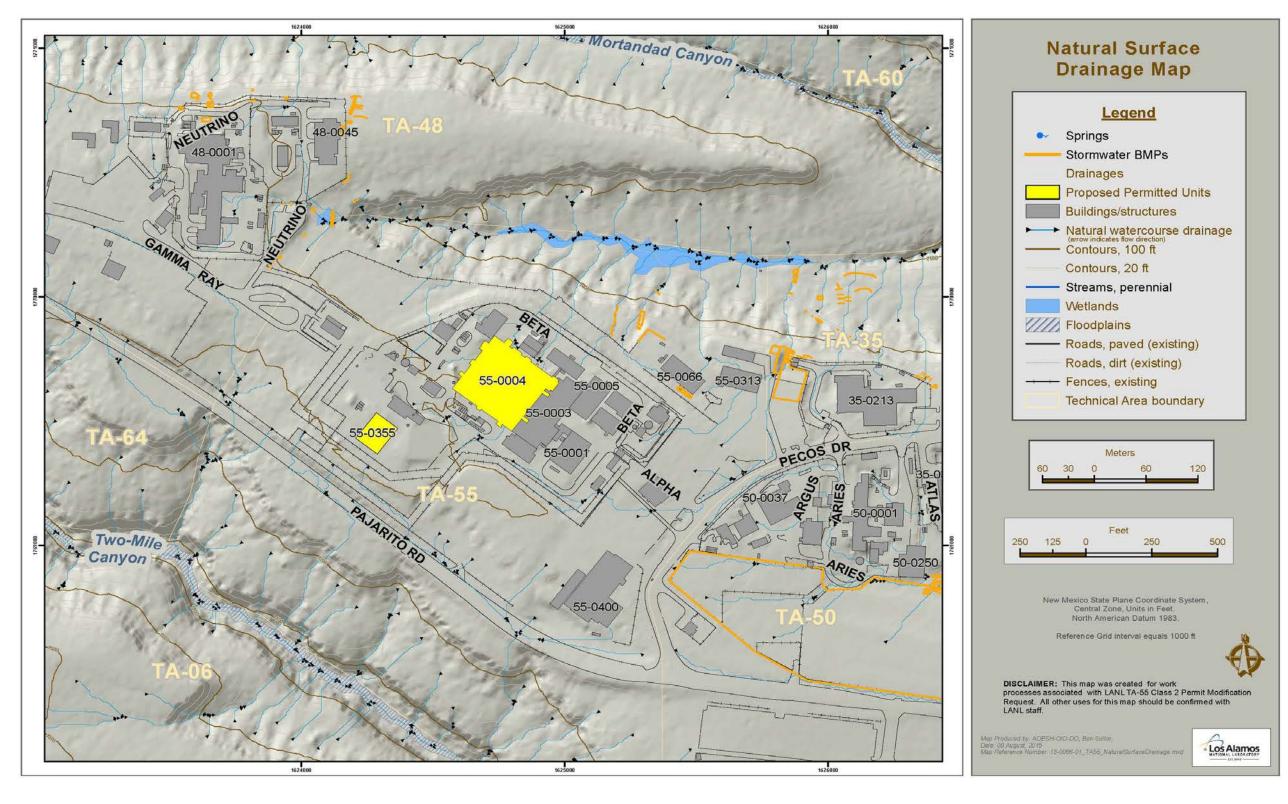


Figure 3-12. Drainage Barriers and Flood Control

SECTION 4

Document:	LANL TA-55 Permit Modification Request
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4.0 CLOSURE PLAN

The closure plans describe the activities necessary to close the TA-55 Units. The information provided in the closure plans address the closure requirements specified in Permit Part 9, 40 CFR Part 264, Subpart G for hazardous waste management units operated at LANL under RCRA and the NMHWA.

The proposed closure plans for the TA-55 Units are included as Attachment D of this permit modification request and include references to the requirements of Permit Part 9, *Closure*, and information regarding the procedures to meet them. The closure plans closely follow the format and content of the current closure plans included in Attachment G of the Permit. The closure plan includes descriptions of the closure performance standards, schedules, closure procedures (including waste equipment disposition, structure removal, decontamination and verification procedures), the sampling and analysis plan, waste management, and the closure certification report.

Until closure is complete and has been certified in accordance with Permit Section 9.5, *Closure Certification Report*, a copy of the approved closure plan or the Permit containing the plan, any approved revisions, and closure activity documentation associated with the closure will be on file with hazardous waste compliance personnel at LANL and at the DOE National Nuclear Security Administration Los Alamos Field Office (NA-LA). Prior to closure of the TA-55 units, the closure plans may be amended in accordance with Permit Section 9.4.8, as necessary and appropriate, to provide updated sampling and analysis plans and to incorporate updated decontamination technologies. Amended closure plans will be submitted to the NMED for approval prior to implementing closure activities.

4.1 CLOSURE COST ESTIMATE, FINANCIAL ASSURANCE, AND LIABILITY REQUIREMENTS

LANL is a federal facility, owned by the DOE. In accordance with 40 CFR §264.140(c), LANL is exempt from the 40 CFR §264 Subpart H requirements to provide a cost estimate, financial assurance mechanisms, and liability insurance for closure actions. Therefore, these provisions are not included in the closure plan included as Attachment F of this permit modification request.

SECTION 5

5.0 REFERENCES

- LANL, 2003. Los Alamos National Laboratory General Part A Permit Application, Revision 6.0, Los Alamos National Laboratory, Los Alamos, New Mexico.
- LANL, 2003. Resource Conservation and Recovery Act (RCRA) Technical Area 55 (TA-55) Part B Permit Application Submittal, Revision 2.0, Los Alamos National Laboratory, Los Alamos, New Mexico.
- LANL, 2013. General Part A Permit Application (Revision 7.0) for the Los Alamos National Laboratory, New Mexico, Los Alamos National Laboratory, Los Alamos, New Mexico.
- McLin, S.G., M.E. van Eeckhout, and A. Earles. 2001. *Mapping 100-Year Floodplain Boundaries Following the Cerro Grande Wildfire*. LA-UR-01-5218, Los Alamos National Laboratory, Los Alamos, New Mexico.
- McLin, S.G. 1992. *Determination of 100-Year Floodplain Elevations at Los Alamos National Laboratory*. LA-12195-MS, Los Alamos National Laboratory, Los Alamos, New Mexico.
- NMED 2010. Los Alamos National Laboratory Hazardous Waste Facility Permit, New Mexico Environment Department, Santa Fe, New Mexico (as amended).

SECTION 6

LA-UR-16-29615

Document:	LANL TA-55 Permit Modification Request
Revision:	0.0
Date:	January 2017

6.0 CERTIFICATIONS

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 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.

John C. Bretzke, EPC Division Leader Environmental Protection and Compliance Division Los Alamos National Security, LLC Operator

Karen E. Armijo, Environmental Permitting & Compliance Program Manager National Nuclear Security Administration Los Alamos Field Office U.S. Department of Energy Owner/Operator

Date Signed

Date Signed

ATTACHMENT A PART A FORM

CC FO The Sta	ND MPLETED RM TO: e Appropriate ate or Regional rice.	United States Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION FORM						State PROTUDIO	
	Reason for Submittal MARK ALL BOX(ES) THAT APPLY	Reason for Submittal: □ To provide an Initial Notification (first time submitting site identification information / to obtain an EPA ID number for this location) □ To provide a Subsequent Notification (to update site identification information for this location) □ To provide a Subsequent Notification (to update site identification information for this location) □ As a component of a First RCRA Hazardous Waste Part A Permit Application ■ As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment # 19.0) □ As a component of the Hazardous Waste Report (If marked, see sub-bullet below) □ Site was a TSD facility and/or generator of >1,000 kg of hazardous waste, >1 kg of acute hazardous waste spill cleanup in one or more months of the report year (or State equival LQG regulations)							
2.	Site EPA ID Number	EPA ID Number N M 0 8	9 0 0	1 0 5	1 5				
3.	Site Name	Name: Los Alamos National Laborat	tory						
4.	Site Location	Street Address: Bikini Atoll Road, SM	M-30						
	Information	City, Town, or Village: Los Alamos					County	: Los Alamos	
		State: New Mexico	Country: U	SA			Zip Code: 87545		
5.	Site Land Type	Private County Distr	ict 🗹 Fe	deral [Tribal	Municipal	State	Other	
6.		A. 9 2 8 1	1 0		C.	0 5 6 2	2	1	
	(at least 5-digit codes)	B. 0 5 4 1 7 1 D.							
7.	Site Mailing	Street or P.O. Box: PO Box 1663							
	Address	City, Town, or Village: Los Alamos	-						
		State: New Mexico	Country: U	SA			Zip Co	de: 87545	
8.		First Name: Kimberly	MI:	Last: Dav	/is Lebak				
	Person	Title: Manager, Los Alamos Field O	ffice, Depart	ment of E	nergy, Nation	al Nuclear Security	y Admini	stration	
		Street or P.O. Box: 3747 West Jeme	z Road, MS	A316					
		City, Town or Village: Los Alamos							
		State: New Mexico	Country: U	SA			Zip Co	de: 87544	
		Email: kimdavis.lebak@nnsa.doe.go	OV	1					
		Phone: (505) 667-5105		Ext.:			Fax:		
9.	Legal Owner and Operator								
	of the Site	Owner Image: County Image: County						e Other	
		Street or P.O. Box: 3747 West Jeme	ez Road, MS	A316					
		City, Town, or Village: Los Alamos	1				Phone:	(505) 667-510	
		State: New Mexico	Country: U	SA				e: 87544	
		B. Name of Site's Operator: Los Ala	mos Nationa	al Security	, LLC		Date Be Operato	came r: 06/01/2006	
		Operator Type: ✓ Private County		□ _{Feder}	al 🗆 _{Tribal}	Municipal	□ _{Stat}	e D _{Other}	

٦

EPA ID Number N M 0 8 9 0 0 1 0 5 1 5

10.				Activity (at your site) I current activities (as o	of the date submitting the	e form); com	plete	any additional boxes as instructed.
Α.	Hazardo	ous Wa	ste Activitie	es; Complete all parts 1-	-10.			
Υ	/ N 🗌			Hazardous Waste k only one of the follow	wing – a, b, or c.	Y 🗸 N 🗌	5. T	ransporter of Hazardous Waste "Yes," mark all that apply.
		✓a.	LQG:	Generates, in any calend (2,200 lbs/mo.) or more of Generates, in any calend accumulates at any time	of hazardous waste; or dar month, or		_	a. Transporter b. Transfer Facility (at your site)
				(2.2 lbs/mo) of acute haz Generates, in any calend accumulates at any time (220 lbs/mo) of acute has material.	zardous waste; or dar month, or e, more than 100 kg/mo	Y	v p	reater, Storer, or Disposer of Hazardous Vaste Note: A hazardous waste Part B ermit is required for these activities.
						Y∐N✔	7. R	ecycler of Hazardous Waste
			SQG: CESQG:	100 to 1,000 kg/mo (220 non-acute hazardous wa Less than 100 kg/mo (22	aste.	Y☐N√	18.F	xempt Boiler and/or Industrial Furnace
		•		hazardous waste.		Y∐N√	l If	a. Small Quantity On-site Burner
	If "Yes	s" abov	/e, indicate	other generator activition	ies in 2-10.			Exemption b. Smelting, Melting, and Refining
Υ[_ N 🖌	eve	ent and not f	enerator (generate from a rom on-going processes). he Comments section.				Furnace Exemption
Υ[N 🗸	3. Un	nited States	Importer of Hazardous	s Waste	Y 🗌 N 🖌	9. U	nderground Injection Control
Υ	/ N 🗌	4. Mix	xed Waste (hazardous and radioac	ctive) Generator	Y 🖌 N 🗌	10.	Receives Hazardous Waste from Off-site
В.	Universa	al Wast	te Activities	; Complete all parts 1-2	2.	C. Used C	Dil Act	ivities; Complete all parts 1-4.
	Y 才 N [1.		antity Handler of Univer te 5,000 kg or more) [re		Y 🗌 N 🔽] 1. U If	sed Oil Transporter "Yes," mark all that apply.
			regulatior	ns to determine what is				a. Transporter
			mark all t					b. Transfer Facility (at your site)
			a. Batterie	95	Л	Y N 🗸		sed Oil Processor and/or Re-refiner "Yes," mark all that apply.
			b. Pesticio		$\overline{\checkmark}$			a. Processor
			c. Mercury	y containing equipment	\checkmark			b. Re-refiner
			d. Lamps			Y N V		ff-Specification Used Oil Burner
				specify) specify)			3. 0	•
				specify)		Y 🗌 N 🗸		sed Oil Fuel Marketer "Yes," mark all that apply.
	Y 🗌 N [✓ 2.		on Facility for Universal azardous waste permit m			_	 a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner b. Marketer Who First Claims the Used Oil Meets the Specifications

	demic Entities with I uant to 40 CFR Part		ication for opting in	to or withdrawing fr	om managing labo	ratory hazardous
 You ca 	n ONLY Opt into Sub	part K if:				
agre	are at least one of the eement with a college illege or university; Al	or university; or a no				mal affiliation ation agreement with
• you	have checked with yo	our State to determin	e if 40 CFR Part 262	Subpart K is effective	e in your state	
	Opting into or currently					
	See the item-by-item		finitions of types of	eligible academic e	ntities. Mark all tha	t apply:
	a. College or Univer	-				
	 Teaching Hospita 	I that is owned by c	or has a formal writt	en affiliation agreen	nent with a college	or university
	c. Non-profit Institu	te that is owned by	or has a formal writ	ten affiliation agree	ment with a college	or university
Y N ✓ 2. V	Vithdrawing from 40 C	CFR Part 262 Subpar	t K for the manageme	ent of hazardous was	tes in laboratories	
11. Description	of Hazardous Waste					
	s for Federally Regu		astes Please list the	waste codes of the	Federal bazardous w	astes handled at
	at them in the order th					
See Attached						
	s for State-Regulate astes handled at your eeded.					
None						

PA ID Number N M 0 8 9 0 0 1 0 5 1 5

OMB#: 2050-0024; Expires 01/31/2017

2. Notifica	ation of Hazardous Secondary Mate	erial (HSM) Activity	0. 17
Y 🗌 N 🗸		0.42 that you will begin managing, are managing 261.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (25	
	If "Yes," you must fill out the Adden Material.	dum to the Site Identification Form: Notification	for Managing Hazardous Secondary
3. Comme			
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accorda on my in informat penaltie	nce with a system designed to assure quiry of the person or persons who n on submitted is, to the best of my kno s for submitting false information, incl	hat this document and all attachments were prep that qualified personnel properly gather and even nanage the system, or those persons directly re- owledge and belief, true, accurate, and complete uding the possibility of fines and imprisonment f all owner(s) and operator(s) must sign (see 40 C	valuate the information submitted. Based sponsible for gathering the information, the e. I am aware that there are significant for knowing violations. For the RCRA
Signature o authorized	f legal owner, operator, or an epresentative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
pl	Cor	John C. Bretzke, EPC-DO	1/25/17
V	A	Operator, LANS	
K	Inda Dais Lelah	Kimberly Davis Lebak, Manager	1/30/17
- Jun		Owner, Los Alamos Field Office, NNSA	111

EPA Form 8700-12, 8700-13 A/B, 8700-23

11. Description of Hazardous Wastes

A. Waste Codes for Federally Regulated Hazardous Wastes.

					Deee	D007
D001	D002	D003	D004	D005	D006	D007
D008	D009	D010	D011	D012	D013	D014
D015	D016	D017	D018	D019	D020	D021
D022	D023	D024	D025	D026	D027	D028
D029	D030	D031	D032	D033	D034	D035
D036	D037	D038	D039	D040	D041	D042
D043	F001	F002	F003	F004	F005	F006
F007	F008	F009	F010	F011	F012	F019
F020	F021	F022	F023	F024	F025	F026
F027	F028	F032	F034	F035	F037	F038
F039	K044	K045	K046	K047	K084	K101
K102	P001	P002	P003	P004	P005	P006
P007	P008	P009	P010	P011	P012	P013
P014	P015	P016	P017	P018	P020	P021
P022	P023	P024	P026	P027	P028	P029
P030	P031	P033	P034	P036	P037	P038
P039	P040	P041	P042	P043	P044	P045
P046	P047	P048	P049	P050	P051	P054
P056	P057	P058	P059	P060	P062	P063
P064	P065	P066	P067	P068	P069	P070
P071	P072	P073	P074	P075	P076	P077
P078	P081	P082	P084	P085	P087	P088
P089	P092	P093	P094	P095	P096	P097
P098	P099	P101	P102	P103	P104	P105
P106	P108	P109	P110	P111	P112	P113
P114	P115	P116	P118	P119	P120	P121
P122	P123	P127	P128	P185	P188	P189
P190	P191	P192	P194	P196	P197	P198
P199	P201	P202	P203	P204	P205	U001
U002	U003	U004	U005	U006	U007	U008
U009	U010	U011	U012	U014	U015	U016
U017	U018	U019	U020	U021	U022	U023
U024	U025	U026	U027	U028	U029	U030
U031	U032	U033	U034	U035	U036	U037
U038	U039	U041	U042	U043	U044	U045
U046	U047	U048	U049	U050	U051	U052
U053	U055	U056	U057	U058	U059	U060
U061	U062	U063	U064	U066	U067	U068
U069	U070	U071	U072	U073	U074	U075

Description of Hazardous Wastes A. Waste Codes for Federally Regulated Hazardous Wastes. (Continued)

U076	U077	U078	U079	U080	U081	U082
U083	U084	U085	U086	U087	U088	U089
U090	U091	U092	U093	U094	U095	U096
U097	U098	U099	U101	U102	U103	U105
U106	U107	U108	U109	U110	U111	U112
U113	U114	U115	U116	U117	U118	U119
U120	U121	U122	U123	U124	U125	U126
U127	U128	U129	U130	U131	U132	U133
U134	U135	U136	U137	U138	U140	U141
U142	U143	U144	U145	U146	U147	U148
U149	U150	U151	U152	U153	U154	U155
U156	U157	U158	U159	U160	U161	U162
U163	U164	U165	U166	U167	U168	U169
U170	U171	U172	U173	U174	U176	U177
U178	U179	U180	U181	U182	U183	U184
U185	U186	U187	U188	U189	U190	U191
U192	U193	U194	U196	U197	U200	U201
U202	U203	U204	U205	U206	U207	U208
U209	U210	U211	U213	U214	U215	U216
U217	U218	U219	U220	U221	U222	U223
U225	U226	U227	U228	U234	U235	U236
U237	U238	U239	U240	U243	U244	U246
U247	U248	U249	U271	U278	U279	U280
U328	U353	U359	U364	U367	U372	U373
U387	U389	U394	U395	U404	U409	U410
U411						

	NOTIFIC	ADDENDUM TO THE SITE			TUNOTE STATES
ONLY fil	I out this fo	rm if:			
*	You are loca 261.4(a)(23) states; AND You are or w equivalent) of amount of ex	ted in a State that allows you to manage e , (24), or (25) (or state equivalent). See <u>ht</u> will be managing excluded HSM in complian or you have stopped managing excluded H kcluded HSM under the exclusion(s) for at ies in this section.	tp://www.epa.gov/epawaste/ nce with 40 CFR 261.2(a)(2) SM in compliance with the e	hazard/dsw/statespf.htm fo (ii), 261.4(a)(23), (24), or (2 xclusion(s) and do not expe	r a list of eligible 5) (or state ect to manage any
1. India	cate reason	for notification. Include dates where re	quested.		
		egin managing excluded HSM as of	-		
	-				
	Facility is sti	II managing excluded HSM/re-notifying as	required by March 1 of each	even-numbered year.	
	Facility has	stopped managing excluded HSM as of	(mm/dd/yyyy) a	nd is notifying as required.	
		xcluded HSM activity. Please list the app not include any information regarding you			
(answer codes lis	ted in the st section of	b. Waste code(s) for HSM	c. Estimated short tons of excluded HSM to be managed annually	d. Actual short tons of excluded HSM that was managed during the most recent odd- numbered year	e. Land-based unit code (answer using codes listed in the Code List section of the instructions)
	mediate facil	ncial assurance pursuant to 40 CFR 261 ities managing excluded HSM under 40 C	FR 261.4(a)(24) and (25))		imers and
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					Ur	nite	d S	Sta	tes	E	nvii	ron	me	ental F	rotec	tion A	gency	,
ŀ	HA	Z	٩F	RD	0	U	S	W	AS	T	ΕI	PE	R	MIT	INFC	DRM	ΑΤΙΟ	ON FORM
1. Facility Permit Contact	F	irst	Na	ame	e:	۲im	ber	ly						MI:		Last	Name	: Davis Lebak
	C	ont	ac	t Ti	tle:	Ma	ana	ger	, Lo	s A	lam	os	Fie	ld Office	e, NNS	A		
											_				_			Email:
	P	hor	ne	Nui	nb	er:	50	5-6	67-5	510	5				Ext.:			kimdavis.lebak@nnsa.doe.gov
2. Facility Permit Contact Mailing Address													ez	Road, N	/IS A31	6		
	C	ity,	Тс	own	, o	r Vi	lla	ge:	Los	Ala	amo)S						
	s	state	: :	Nev	v N	lexi	со										-	
	с	oui	ntr	y։ Լ	ISA	<u>۱</u>											Zip (Code: 87544
3. Operator Mailing Address and	s	stree	et d	or P	<u>. o</u>	. В	ox:	P.(<u>). В</u>	lox	166	63, N	ИS	K499				
Telephone Number	C	City,	Тс	wn	, o	r Vi	illa	ge:	Los	Ala	amo	S					1	
	s	state	e: N	lew	M	exic	:0										Phor	ne Number: 505-665-6952
	с	oui	ntr	y:	US	A											Zip (Code: 87545
4. Facility Existence Date	F	aci	lity	Ex	iste	enc	e D)ate	e (m	m/e	dd/y	ууу	y):	01/01/	1943			
5. Other Environmenta	I Pe	erm	its															
A. Facility Type (Enter code)					в.	Pe	erm	it N	lum	be	r	1	1					C. Description
See Attached																		
6. Nature of Business:	res in i rac teo	sear nucl dioc	ch lea hei blog	tha r, m misi gy;	t al edi try; ge	lso um sp othe	cor en ace erm	ntrib ergy e n ial,	ute: /, ar ucle sol:	s to nd s ear ar,	co pac sys and	nve ce p sten d fo	ntio hys ns; ossi	onal def sics; hyc contro l energ	ense, drodyna Iled th	civilian, amics; c ermonu	and in convent clear f	of global nuclear danger supported by dustrial needs. This includes programs tional explosives; chemistry; metallurgy; fusion; laser research; environmental safeguards; biomedicine; health and

EPA ID Number <u>|N|M|0||8|9|0||0|1|0||5|1|5|</u>

5. Other Environme	enta	l Pe	ermi	ts										
A. Facility Type (Enter code)					B. F	Pern	nit M	Num	nber					C. Description
National Pollutant D	isch	arge	ə Eli	imin	atio	n Sy	/stei	m (N	VPD	ES)	:			
NPDES Constructio	n Ge	ener	al P	erm	nit:									
Ν	Ν	М	R	1	2	А	-	-	-					NPDES Construction General Permit coverage for various individual construction projects: NMR120000
Industrial Point Sour	rce F	Pern	nit:									-		
N	Ν	Μ	0	0	2	8	3	5	5					NPDES Industrial Point Source Discharge
NPDES Storm Wate	er Mu	ulti-S	Sect	or G	Sene	eral	Peri	mit	(MS	GP) for	Ind	ustr	ial Activities
N	Ν	М	R	0	5	3	1	9	5					NPDES MSGP
NPDES Storm Wate	er Ind	divic	lual	Per	mit									
Ν	Ν	М	0	0	3	0	7	5	9					NPDES LANL Storm Water Individual Permit
NPDES Pesticides (Gene	eral	Per	mit										
Ν	Ν	М			7	А	0	4	1					NPDES Pesticides General Permit (PGP) for discharges from te application of pesticides
Resource Conserva	tion	ano	l Re	1	ery /	Act	(RC	RA)	:	r	r	r		1
R	Ν	Μ	0	8	9	0	0	1	0	5	1	5		RCRA Hazardous Waste Facility Permit
Groundwater Discha	arge	Pla	ns (GDI	P):	1	1	1				1		
E	D	Ρ	-	8	5	7								TA-46 SWWS Plant and TA-3 Sanitary Effluent Reclamation Facility (SERF), Approved July 1992, Discharge Permit Renewal Application, July 2010 (NMED Renewal Pending)
E	D	Ρ	-	1	1	3	2							TA-50 Radioactive Liquid Waste Treatment Facility, Discharge Permit Application, February 2012 (NMED approval pending)
E	D	Ρ	-	1	5	8	9							Eight (8) Domestic Septic Tank/Leachfield Systems, Discharge Permit Application, June 2010 Permit issued July 2015.
E	D	Ρ	-	1	7	9	3							On-Site Treatment and Land Application of Groundwater, Discharge Permit Application, December 2011 Permit issued July 2015.
E	D	Ρ	-	1	8	3	5							Injection of Treated Ground Water into the Regional Aquifer Through Six (6) Class V Underground Injection Control (UIC) Wells. Application Date: April 2015. Permit issued August 2016.
Clean Water Act Se	ctior	n 40	4 Di	redg	je al	nd F	Fill P	Perm	nits I	with	U.S	S. Ar	ту	Corps of Engineers
E	N	w	Ρ	-	4	3								Water Canyon West Jemez road Storm Drain Controls. Project complete but subject to special monitoring conditions- 5 year monitoring.
E	Ν	W	Ρ	-	3	8								Sandia Canyon TA-72 Stormwater Controls. Project not yet complete and subject to 5 years of monitoring.
E	N	w	Ρ	-	3	8								Sandia Canyon Wetland (Grade Control Structure). Project complete but subject to special monitoring conditions- 5 year monitoring.
E	Ν	W	Ρ	-	4	3								Pueblo Grade Control Spurs and E060.1 Gage Revitalization.
E	N	W	Ρ	-	0 1	8								Section 404 Nationwide Permit 18 – Minor Discharges for various individually approved construction projects including NM Certification (2012)
E	N	W	Ρ	-	3	3								Section 404 Nationwide Permit 33 – Temporary Construction, Access and Dewatering for various individually approved construction projects including NM Certification (2012)
E	Ν	W	Ρ	-	3	8								Section 404 Nationwide Permit 38 – Cleanup of

5. Other Environmental Permits

EPA ID Number IN	I M	0	8	9 0	10	1	0	5 1	5	l				OMB#: 2050-0024; Expires 01/31/20
														Hazardous and Toxic Waste for various individually approved construction projects including NM Certification (2012)
ir Quality Permits:														
Air Quality Operatin	ig Pe	ermi	t (20).2.7	'0 N	MAG	C)							
E	Ρ	1	0	0	-	R	1	-	Μ	3				LANL Air Emissions Operating Permit
Air Quality (20.2.72	NM/	AC)												
E	2	1	9	5	-	R	5	9						Various Exemptions
E	2	1	9	5	В	-	М	2						TA-3 Power Plant
E	2	1	9	5	F	-	R	3						TA-33 1600kW Generator
E	G	С	Р	3	-	2	1	9	5	G	-	R	1	TA-60 Asphalt Plant
E	2	1	9	5	Н	-	R	1						Data disintegrator
E	2	1	9	5	Ν	-	R	2						Chemistry and Metallurgy Research Replacement Facility
E	2	1	9	5	Ρ	-	R	1						TA-33 1-225 kW/2-20 kW Diesel Generators
Air Quality (Nationa Beryllium Machining		issic	on S	tand	lards	s for	Haz	zard	ous	Air	Poll	utan	its)	
E	6	3	4	-	Μ	2								TA-3-141
E	6	3	2	-	R	1								TA-35-213
E	1	0	8	-	Μ	1	-	R	7					TA-55-4

7. Process Codes and Design Capacities – Enter information in the Section on Form Page 3

A. <u>PROCESS CODE</u> - Enter the code from the list of process codes below that best describes each process to be used at the facility. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04, and X99), describe the process (including its design capacity) in the space provided in Item 8.

B. <u>PROCESS DESIGN CAPACITY</u>- For each code entered in Item 7.A; enter the capacity of the process.

1. <u>AMOUNT</u> - 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.

2. <u>UNIT OF MEASURE</u> - For each amount entered in Item 7.B(1), enter the code in Item 7.B(2) from the list of unit of measure codes below that describes the unit of measure used. Select only from the units of measure in this list.

C. PROCESS TOTAL NUMBER OF UNITS - Enter the total number of units for each corresponding process code.

Process Code	Process	Appropriate Unit of Meas Process Design Cap		Process Code	Process		Appropriate Unit of Measure for Process Design Capacity			
	Disp	osal			Treatment (C	ontinu	ed) (for T81 –T94)			
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Pe Liters Per Day	er Day; or	T81	Cement Kiln		Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric			
D80	Landfill	Acre-feet; Hectares-meter Cubic Meters; Hectares Yards		T82	Lime Kiln		Tons Per Hour; Short Tons Per Day; BTU Per Hour; Liters Per Hour; Kilograms Per Hour; or Million BTU Per Hour			
D81	Land Treatment	Acres or Hectares		T83	Aggregate Kiln					
D82	Ocean Disposal	Gallons Per Day or Liters P	Per Day	T84	Phosphate Kiln					
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Me Cubic Yards		T85	Coke Oven					
D99	Other Disposal	Any Unit of Measure Listed	Below	T86	Blast Furnace					
	Sto	orage		T87	Smelting, Melting,	or Refi	ining Furnace			
S01	Container	Gallons; Liters; Cubic Me Cubic Yards	eters; or	T88	Titanium Dioxide	Chloride	e Oxidation Reactor			
S02	Tank Storage	Gallons; Liters; Cubic Me Cubic Yards	eters; or	Т89	Methane Reformir	ng Furn	ace			
S03	Waste Pile	Cubic Yards or Cubic Mete	rs	Т90	Pulping Liquor Re	covery	Furnace			
S04	Surface Impoundment	Gallons; Liters; Cubic Mo Cubic Yards	eters; or	T91	Combustion Devic Sulfuric Acid	e Used	I in the Recovery of Sulfur Values from Spent			
S05	Drip Pad	Gallons; Liters; Cubic Hectares; or Cubic Yards	Meters;	T92	Halogen Acid Furr	naces				
S06	Containment Building Storage	Cubic Yards or Cubic Mete	rs	Т93	Other Industrial Fu	urnaces	s Listed in 40 CFR 260.10			
S99	Other Storage	Any Unit of Measure Listed	Below	Т94	Containment Building Treatmer		Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per			
		atment					Hour; Btu Per Hour; Pounds Per Hour;			
T01 T02	Tank Treatment Surface Impoundment	Gallons Per Day; Liters Per Gallons Per Day; Liters Per	-				Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; Gallons Per Day; Liters Per Day, Metric Tons Per Hour,			
Too		Ohart Tara Dan Have Mate					or Million Btu Per Hour			
Т03	Incinerator	Short Tons Per Hour; Metri Per Hour; Gallons Per Hou		X01	Open Burning/C		Any Unit of Measure Listed Below			
		Per Hour; BTUs Per Hour;	,		Detonation					
T04	Other Treatment	Per Hour; Short Tons F Kilograms Per Hour; Gall Day; Metric Tons Per H Million BTU Per Hour Gallons Per Day; Liters Per	lons Per Hour; or	X02	Mechanical Processing		Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; Kilograms Per Hour; Gallons Per Hour; Liters Per Hour; or Gallons Per Day			
		Pounds Per Hour; Short T Hour; Kilograms Per Hou Tons Per Day; Short Tons BTUs Per Hour; Gallons I Liters Per Hour; or Million Hour	ır; Metric Per Day; Per Day;	X03	Thermal Unit		Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; BTU Per Hour; or Million BTU Per Hour			
T80	Boiler	Gallons; Liters; Gallons P Liters Per Hour; BTUs Per I	,	X04	Geologic Reposi	itory	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters			
		Million BTU Per Hour		X99	Other Subpart X		Any Unit Measure Listed Below			
			Measure		leasure Code		of Measure Unit of Measure Code			
Gallons Gallons Liters	Per Hour Per Day er Hour	E Short T U Metric L Metric	Tons Per I Tons Per Tons Per	Hour Day Hour Day r	N W S	Cubi Acre Acre	c YardsY c MetersC sB -feetA			
	er Day	V Kilogra	ıms Per H	lour lour	х	HectaresQ Hectare-meterF Btu Per HourI				

Lir			Proce Code	ess	B. PROCESS DESIGN CAPACIT	тү	C. Process Total		For	Officia	al Use	Only	
Num	ber		list abo	ove)	(1) Amount (Specify)	(2) Unit of Measure	Number of Units		10	emen		omy	
x	1	S	0	2	533.788	G	001						
					Technical Area 3								
	1	S	0	1	18,500	G	001						
	2												
	3												
	4												
	5												
	6												
	7												
	8												
	9												
1	0												
1	1												
1	2												
-													
l lote he l	3 e: If yo lines s	seque	ntially	, takin	re than 13 process codes, attach an additiona g into account any lines that will be used for	"other" process (i.e.	, D99, S99, T04 and	ame fe d X99	orma) in It	t as a em 8.	bove.	Nun	nl
1 Note he l 3. (3 2: If yo 2: If yo 2	sequel Proce	ntially sses	, takin (Follo	re than 13 process codes, attach an additiona og into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 a B. PROCESS DESIGN CAPACITY	"other" process (i.e.	, D99, S99, T04 and es)	ame fi d X99	orma) in It	t as a em 8.	bove.	Nun	nl
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l he be be be be be be be be be be be be be	3 e: If you lines s Other ne nber r #s in lence tem 7)	Proce	ntially sses rocess om list at	r, takin (Follov Code ^{DOVE)}	ng into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 a B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. and X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame fo) in It	em 8.			
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7. Process Codes and Design Capacities (Continued)

	WPLE				G Item 7 (shown in line number X-1 below): A fac		nk, which can hold b	33.78	8 gail	ons.			
	ne nber		Proce Code		B. PROCESS DESIGN CAPACIT		C. Process Total Number of Units		For	Officia	l Use	Only	
			i list ab	-	(1) Amount (Specify)	(2) Unit of Measure			r	1		1	1
X	1	S	0	2	533.788	G	001						
					Technical Area 14								
	1	Х	0	1	1,000 50/20	See Lines 2 & 3	002						
	2				Pounds per detonation Gallons per burn/pounds per burn								
	3				Units identified at TA-14-23 is to be closed in accordance with the Code of Federal Regulations (CFR), Title 40, Part 265, Subpart G. Permitted status is not requested								
	4												
	5												
	6												
	7												
	8												
	9												
1	0												╞
•	U												
	4												
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1 1 Not	2 3 e: If y	ou nee seque	ed to li ntially	ist mo r, takir	re than 13 process codes, attach an additional ng into account any lines that will be used for '	sheet(s) with the in 'other" process (i.e.	nformation in the sa , D99, S99, T04 and	ame f d X99	ormat) in Ite	t as a em 8.	bove.	Nun	nb
the	2 3 e: If yo lines	seque	ntially	, takir	re than 13 process codes, attach an additional ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar	other" process (i.e.	., D99, S99, T04 and	ame f d X99	ormat) in Ite	t as a em 8.	bove.	Nun	nbo
1 1 Note the 8.	2 3 e: If ye lines Other	seque Proce	ntially esses	, takir (Follo	ng into account any lines that will be used for '	other" process (i.e.	., D99, S99, T04 and es)	ame f d X99	ormai) in Ite	t as a em 8.	bove.	Nun	nb
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1 1 Not the 8. L Nu (Ente seq with	2 3 e: If your fines other ine nber unce tem 7)	Proce	ntially esses rocess om list al	r, takir (Follo Code ^{DOVE)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	<i>'other" process (i.e.</i> nd X99 process cod (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in Ite	em 8.			nb
1 1 Not the 8. L Nu (Ente seq with	2 3 e: If your fines other ine nber unce tem 7)	Proce	ntially esses rocess om list al	r, takir (Follo Code ^{DOVE)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	<i>'other" process (i.e.</i> nd X99 process cod (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in Ite	em 8.			
1 Note the 8. L Nu (Ente seq with	2 3 e: If your fines other ine nber unce tem 7)	Proce	ntially esses rocess om list al	r, takir (Follo Code ^{DOVE)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	<i>'other" process (i.e.</i> nd X99 process cod (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in Ite	em 8.			
1 Note the 8. L Nu (Ente seq with	2 3 e: If your fines other ine nber unce tem 7)	Proce	ntially esses rocess om list al	r, takir (Follo Code ^{DOVE)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	<i>'other" process (i.e.</i> nd X99 process cod (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in Ite	em 8.			
1 Note the 8. L Nu (Ente seq with	2 3 e: If your fines other ine nber unce tem 7)	A. P	ntially esses rocess om list al	r, takir (Follo Code ^{DOVE)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	<i>'other" process (i.e.</i> nd X99 process cod (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in Ite	em 8.			
1 Note the 8. L Nu (Ente seq with	2 3 e: If your fines other ine nber unce tem 7)	A. P	ntially esses rocess om list al	r, takir (Follo Code ^{DOVE)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	<i>'other" process (i.e.</i> nd X99 process cod (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in Ite	em 8.			
1 Note the 8. L Nu (Ente seq with	2 3 e: If your fines other ine nber unce tem 7)	A. P	ntially esses rocess om list al	r, takir (Follo Code ^{DOVE)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	<i>'other" process (i.e.</i> nd X99 process cod (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in Ite	em 8.			
1 Note the 8. L Nu (Ente seq with	2 3 e: If your fines other ine nber unce tem 7)	A. P	ntially esses rocess om list al	r, takir (Follo Code ^{DOVE)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	<i>'other" process (i.e.</i> nd X99 process cod (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in Ite	em 8.			
1 Note the 8. L Nu (Ente seq with	2 3 e: If your fines other ine nber unce tem 7)	A. P	ntially esses rocess om list al	r, takir (Follo Code ^{DOVE)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	<i>'other" process (i.e.</i> nd X99 process cod (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f 1 X99) in Ite	em 8.			
1 Note the 8. L Nu (Ente seq with	2 3 e: If your set of the set of	A. P	ntially esses rocess om list al	r, takir (Follo Code ^{DOVE)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	<i>'other" process (i.e.</i> nd X99 process cod (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f 1 X99) in Ite	em 8.			

7. Process Codes and Design Capacities (Continued)

EX/	AMPLE	FOR C	OMPLET	ING Item	7 (shown in line number X-1 below): A facility	y has a storage tank	, which can hold 5	33.78	8 gal	lons.			
	ine		Proces Code	s	B. PROCESS DESIGN CAPACITY		C. Process Total	For Official Use Only					
Nu	mber		om list ab	ove)	(1) Amount (Specify)	(2) Unit of Measure	Number of Units					•,	
Х	1	S	0	2	533.788	G	001						
					Technical Area 16								Ī
	1	х	0	1	1,000 50/1,000	See Lines 2 & 3	002						
	2				Pounds per burn Gallons per burn/pounds per burn								
	3				Unit identified as TA-16-399 Burn Tray is to be closed in accordance with the Code of Federal Regulations (CFR), Title 40, Part 265, Subpart G. Permitted status is not requested.								
	4												T
	5												Ì
	6												t
	7												Ĩ
	8												
	9												
1	0												
1	1												
1	2												
1	3												
Nu	mber t	he lines	s sequei	ntially, ta	han 13 process codes, attach an additiona king into account any lines that will be use	d for "other" proce	ess (i.e., D99, S99,	he sa T04	ame and	form X99)	at as in Ite	abo m 8	2
		Proces	ses (Fo	llow inst	B. PROCESS DESIGN CAPACITY	X99 process code:	5)						
Line Number (Enter #s in sequence with Item 7		er A. Process Code s in ce (From list above)			(1) Amount (Specify)	(2) Unit of Measure	C. Process Total Number of Units		For C	Officia	l Use	Only	,
Х	2	т	0	4	100.00	U	001						Ι
													ſ
													ĺ
		1											
													15

Li	ne	A.	A. Process Code (From list above)		B. PROCESS DESIGN CAPACITY		C. Process Total							
Number		(From			(1) Amount (Specify)	(2) Unit of Measure	Number of Units	For Official Use Only						
x	1	S	0	2	533.788	G	001							
					Technical Area 36									
	1	Х	0	1	2,000	See line 2	001							
	2				Pounds per detonation									
	3													
	4													
	5													
	6													
	7													
	8													
	9													
1	0													
1	1													
1	2													
Not	3 e: If yo lines :	ou nee seque	ed to entiall	list m y, tak	ore than 13 process codes, attach an addition ing into account any lines that will be used fo	al sheet(s) with the in or "other" process (i.	nformation in the s e., D99, S99, T04 a	ame f nd X§	iorma 99) in	t as a Item	bove 8.	. Nun	nb	
the 8.	e: If yo lines : Other ine	Seque Proce	entiall esses . Proce	y, tak (Foll	ore than 13 process codes, attach an addition ing into account any lines that will be used fo ow instructions from Item 7 for D99, S99, T04 B. PROCESS DESIGN CAPACITY	or "other" process (i.	e., D99, S99, T04 a des)	ame f nd XS	iorma 99) in	t as a Item	bove 8.	. Nun	nb	
Note the 8. L Nu (Ente seq	e: If yo lines : Other	Seque Proce	entiall esses	y, tak (Foll ess	ing into account any lines that will be used for ow instructions from Item 7 for D99, S99, T04	or "other" process (i.	e., D99, S99, T04 a	ame f nd XS	99) in	t as a Item	8.		nbe	
Note the 8. L Nu (Ente seq	e: If your second secon	Seque Proce	entiall esses . Proce Code	y, tak (Foll ess	ing into account any lines that will be used fo ow instructions from Item 7 for D99, S99, T04 B. PROCESS DESIGN CAPACITY	or "other" process (i. and X99 process co (2) Unit of	e., D99, S99, T04 a des) C. Process Total	ame f nd XS	99) in	Item (8.		nbe	
Note the 8. L Nu (Ente seq with	e: If your second secon	Proce	entiall esses . Proce Code om list a	y, tak (Foll ess ^{bove)}	ing into account any lines that will be used for ow instructions from Item 7 for D99, S99, T04 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	or "other" process (i. and X99 process co (2) Unit of Measure	e., D99, S99, T04 a des) C. Process Total Number of Units	ame f nd XS	99) in	Item (8.			
Note the 8. L Nu (Ente seq with	e: If your second secon	Proce	entiall esses . Proce Code om list a	y, tak (Foll ess ^{bove)}	ing into account any lines that will be used for ow instructions from Item 7 for D99, S99, T04 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	or "other" process (i. and X99 process co (2) Unit of Measure	e., D99, S99, T04 a des) C. Process Total Number of Units	ame f nd XS	99) in	Item (8.		nbo	
Note the 8. L Nu (Ente seq with	e: If your second secon	Proce	entiall esses . Proce Code om list a	y, tak (Foll ess ^{bove)}	ing into account any lines that will be used for ow instructions from Item 7 for D99, S99, T04 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	or "other" process (i. and X99 process co (2) Unit of Measure	e., D99, S99, T04 a des) C. Process Total Number of Units	ame f nd XS	99) in	Item (8.			
Note the 8. L Nu (Ente seq with	e: If your second secon	Proce	entiall esses . Proce Code om list a	y, tak (Foll ess ^{bove)}	ing into account any lines that will be used for ow instructions from Item 7 for D99, S99, T04 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	or "other" process (i. and X99 process co (2) Unit of Measure	e., D99, S99, T04 a des) C. Process Total Number of Units	ame f	99) in	Item (8.			
Note the 8. L Nu (Ente seq with	e: If your second secon	Proce	entiall esses . Proce Code om list a	y, tak (Foll ess ^{bove)}	ing into account any lines that will be used for ow instructions from Item 7 for D99, S99, T04 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	or "other" process (i. and X99 process co (2) Unit of Measure	e., D99, S99, T04 a des) C. Process Total Number of Units	ame f nd XS	99) in	Item (8.			
Note the 8. L Nu (Ente seq with	e: If your second secon	Proce	entiall esses . Proce Code om list a	y, tak (Foll ess ^{bove)}	ing into account any lines that will be used for ow instructions from Item 7 for D99, S99, T04 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	or "other" process (i. and X99 process co (2) Unit of Measure	e., D99, S99, T04 a des) C. Process Total Number of Units	ame f nd XS	99) in	Item (8.			
Note the 8. L Nu (Ente seq with	e: If your second secon	Proce	entiall esses . Proce Code om list a	y, tak (Foll ess ^{bove)}	ing into account any lines that will be used for ow instructions from Item 7 for D99, S99, T04 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	or "other" process (i. and X99 process co (2) Unit of Measure	e., D99, S99, T04 a des) C. Process Total Number of Units	ame f nd XS	99) in	Item (8.			
Note the 8. L Nu (Ente seq with	e: If your second secon	Proce	entiall esses . Proce Code om list a	y, tak (Foll ess ^{bove)}	ing into account any lines that will be used for ow instructions from Item 7 for D99, S99, T04 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	or "other" process (i. and X99 process co (2) Unit of Measure	e., D99, S99, T04 a des) C. Process Total Number of Units	ame f nd XS	99) in	Item (8.			
Note the 8. L Nu (Ente seq with	e: If your second secon	Proce	entiall esses . Proce Code om list a	y, tak (Foll ess ^{bove)}	ing into account any lines that will be used for ow instructions from Item 7 for D99, S99, T04 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	or "other" process (i. and X99 process co (2) Unit of Measure	e., D99, S99, T04 a des) C. Process Total Number of Units	ame f nd XS	99) in	Item (8.			
Note the 8. L Nu (Ente seq with	e: If your second secon	Proce	entiall esses . Proce Code om list a	y, tak (Foll ess ^{bove)}	ing into account any lines that will be used for ow instructions from Item 7 for D99, S99, T04 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	or "other" process (i. and X99 process co (2) Unit of Measure	e., D99, S99, T04 a des) C. Process Total Number of Units	ame f nd XS	99) in	Item (8.			
Note the 8. L Nu (Ente seq with	e: If your second secon	Proce	entiall esses . Proce Code om list a	y, tak (Foll ess ^{bove)}	ing into account any lines that will be used for ow instructions from Item 7 for D99, S99, T04 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	or "other" process (i. and X99 process co (2) Unit of Measure	e., D99, S99, T04 a des) C. Process Total Number of Units	ame f nd XS	99) in	Item (8.			
Note the 8. L Nu (Ente seq with	e: If your second secon	Proce	entiall esses . Proce Code om list a	y, tak (Foll ess ^{bove)}	ing into account any lines that will be used for ow instructions from Item 7 for D99, S99, T04 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	or "other" process (i. and X99 process co (2) Unit of Measure	e., D99, S99, T04 a des) C. Process Total Number of Units	ame f nd XS	99) in	Item (8.			

7. Process Codes and Design Capacities (Continued)

ᇊ				CTINI4	Clima 7 (abaum in line number V 4 balau). A faa	lity has a starses tar	le which can hald f	22 20	0				
Line		A. Process		ess	G Item 7 (shown in line number X-1 below): A fac B. PROCESS DESIGN CAPACIT	nk, which can hold s							
	nber	Code (From list above)			(1) Amount (Specify)	(2) Unit of Measure	Number of Units	For Official Use Only					
Х	1	S	0	2	533.788	G	001						
					Technical Area 39								
	1	Х	0	1	2,000	See Lines 2 and 3	002						
	2				1,000 pounds per detonation at each unit								
	3				One unit identified as TA-39-57 is to be closed in accordance with Code of Federal Regulations (CFR), Title 40, Part 265, Subpart G. Permitted status is not requested.								
	4												
	5												
	6												
	7												
	8												
	9												
1	0												
1	1												
1	2												
1	3												
1 No: the	3 te: If ye lines	seque	ntially	, takir	re than 13 process codes, attach an additional ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar	'other" process (i.e.	, D99, S99, T04 and	ame f d X99	ormat) in Ite	t as a em 8.	bove.	Nun	nb
1 No: the 8.	3 <i>te: If yo lines</i> Other Line	seque Proce	ntially esses	, takir (Follo	ng into account any lines that will be used for '	'other" process (i.e.	, D99, S99, T04 and es)	ame f d X99	orma) in It	t as a em 8.	bove.	Nun	nb
1 No: the 8.	3 te: If yo lines Other	Proce	ntially	, <i>takir</i> (Follo Code	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar	'other" process (i.e.	, D99, S99, T04 and	ame f d X99) in It	em 8.	bove.		nb
1 No: the 8.	3 te: If your lines of the second se	Proce	ntially esses rocess	, <i>takir</i> (Follo Code	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY	'other" process (i.e. nd X99 process code (2) Unit of	, D99, S99, T04 and es) C. Process Total	ame f d X99) in It	em 8.			nb
1 No: the 8. Nu (En sec with	3 te: If your lines Other ine or #s in uence Item 7)	Proce	ntially esses rocess om list ab	(Follo (Follo Code pove)	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	fother" process (i.e. ad X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f d X99) in It	em 8.			nb
1 No: the 8. I Nu (En sea with	3 te: If your lines Other ine or #s in uence Item 7)	Proce	ntially esses rocess om list ab	(Follo (Follo Code pove)	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	fother" process (i.e. ad X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f 1 X99) in It	em 8.			
1 No: the 8. I Nu (En seu with	3 te: If your lines Other ine or #s in uence Item 7)	Proce	ntially esses rocess om list ab	(Follo (Follo Code pove)	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	fother" process (i.e. ad X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f 1 X99) in It	em 8.			nb
1 No: the 8. I Nu (En sea with	3 te: If your lines Other ine or #s in uence Item 7)	Proce	ntially esses rocess om list ab	(Follo (Follo Code pove)	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	fother" process (i.e. ad X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f 1 X99) in It	em 8.			
1 No: the 8. I Nu (En seu with	3 te: If your lines Other ine or #s in uence Item 7)	Proce	ntially esses rocess om list ab	(Follo (Follo Code pove)	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	fother" process (i.e. ad X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in It	em 8.			
1 No: the 8. I Nu (En seu with	3 te: If your lines Other ine or #s in uence Item 7)	Proce	ntially esses rocess om list ab	(Follo (Follo Code pove)	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	fother" process (i.e. ad X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f 1 X99) in It	em 8.			
1 No: the 8. I Nu (En sea with	3 te: If your lines Other ine or #s in uence Item 7)	Proce	ntially esses rocess om list ab	(Follo (Follo Code pove)	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	fother" process (i.e. ad X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in It	em 8.			
1 No: the 8. I Nu (En sea with	3 te: If your lines Other ine or #s in uence Item 7)	Proce	ntially esses rocess om list ab	(Follo (Follo Code pove)	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	fother" process (i.e. ad X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in It	em 8.			
1 No: the 8. I Nu (En sea with	3 te: If your lines Other ine or #s in uence Item 7)	Proce	ntially esses rocess om list ab	(Follo (Follo Code pove)	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	fother" process (i.e. ad X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f 1 X99) in It	em 8.			
1 No: the 8. I Nu (En sea with	3 te: If your lines Other ine or #s in uence Item 7)	Proce	ntially esses rocess om list ab	(Follo (Follo Code pove)	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	fother" process (i.e. ad X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f 1 X99) in It	em 8.			
1 No: the 8. 8.	3 te: If your lines Other ine or #s in uence Item 7)	Proce	ntially esses rocess om list ab	(Follo (Follo Code pove)	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	fother" process (i.e. ad X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f 1 X99) in It	em 8.			

7. Process Codes and Design Capacities (Continued)

Li			Proce		B. PROCESS DESIGN CAPACIT	Y	C. Process Total						
	nber		Code		(1) Amount (Specify)	(2) Unit of Measure	Number of Units		For	Officia	al Use	Only	
x	1	S	0	2	533.788	G	001						
		1			Technical Area 50	1 1							
	1	S	0	1	31,500	G	002						
	2												
	3												
	4												
	5												
	6												T
	7												
	8												
	9												
1	0												
1	1												
1	2												
1 Note he	3 e: If ye lines :	seque	ntially	, takir	re than 13 process codes, attach an additional og into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar	"other" process (i.e.,	, D99, S99, T04 and	ame f d X99	orma) in It	t as a em 8.	bove.	Nur	nt
1 Vote the 3.	3 e: If ye lines : Other ine nber	seque Proce	ntially	, takin (Follo	re than 13 process codes, attach an additional og into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY	"other" process (i.e., nd X99 process code	, D99, S99, T04 and	ame f d X99) in It	em 8.			mk
B. B. L Nur (Ente	3 e: If yo lines : Other ine	Proce	ntially esses	, <i>takin</i> (Follov Code	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar	"other" process (i.e.,	, D99, S99, T04 and es)	ame f d X99) in It	em 8.	bove.		mb
1 Note the 3. L Nu (Ente seq with	3 e: If you lines s Other ine mber er #s in Jence	Proce	ntially esses rocess	, <i>takin</i> (Follov Code	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY	"other" process (i.e., nd X99 process code (2) Unit of	, D99, S99, T04 and es) C. Process Total	ame f d X99) in It	em 8.			nb
1 Note the 3. L Nu (Ente seq with	3 e: If ye lines : Other ine mber er #s in uence item 7)	Proce	ntially esses rocess om list at	(Follov (Follov Code	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e., nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f d X99) in It	em 8.			
1 Vote the 3. L Nui (Ente seq	3 2: If your fines and the second se	Proce A. Proce (Fro T	rocess om list at	(Follor Code pove)	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	"other" process (i.e., nd X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
1 Note he 3. L Nu (Ente seq with	3 2: If your fines and the second se	Proce A. Proce (Fro T	rocess om list at	(Follor Code pove)	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00 275	"other" process (i.e., nd X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
1 Vote the 3. L Nui (Ente seq with	3 2: If your fines and the second se	Proce A. Proce (Fro T	rocess om list at	(Follor Code pove)	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00 275 Gallons per day located inside a container storage unit listed	"other" process (i.e., nd X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
1 Vote the 3. L Nui (Ente seq with	3 2: If your fines and the second se	Proce A. Proce (Fro T	rocess om list at	(Follor Code pove)	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00 275 Gallons per day located inside a container storage unit listed	"other" process (i.e., nd X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
1 Vote the 3. L Nui (Ente seq with	3 2: If your fines and the second se	Proce A. Proce (Fro T	rocess om list at	(Follor Code pove)	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00 275 Gallons per day located inside a container storage unit listed	"other" process (i.e., nd X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
1 Note he 3. L Nu (Ente seq with	3 2: If your fines and the second se	Proce A. Proce (Fro T	rocess om list at	(Follor Code pove)	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00 275 Gallons per day located inside a container storage unit listed	"other" process (i.e., nd X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
1 Vote the 3. L Nui (Ente seq with	3 2: If your fines and the second se	Proce A. Proce (Fro T	rocess om list at	(Follor Code pove)	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00 275 Gallons per day located inside a container storage unit listed	"other" process (i.e., nd X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
1 Vote the 3. L Nui (Ente seq with	3 2: If your fines and the second se	Proce A. Proce (Fro T	rocess om list at	(Follor Code pove)	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00 275 Gallons per day located inside a container storage unit listed	"other" process (i.e., nd X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
1 Note he 3. L Nu (Ente seq with	3 2: If your fines and the second se	Proce A. Proce (Fro T	rocess om list at	(Follor Code pove)	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00 275 Gallons per day located inside a container storage unit listed	"other" process (i.e., nd X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
1 Vote the 3. L Nui (Ente seq with	3 2: If your fines and the second se	Proce A. Proce (Fro T	rocess om list at	(Follor Code pove)	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00 275 Gallons per day located inside a container storage unit listed	"other" process (i.e., nd X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			

		Α.	Proce	ess	B. PROCESS DESIGN CAPACIT	Y							
	ne nber	(Fror	Code n list ab		(1) Amount (Specify)	(2) Unit of Measure	C. Process Total Number of Units		For	Officia	al Use	Only	
x	1	S	0	2	533.788	G	001						
	l				Technical Area 54, Area L	1 1							
	1	S	0	1	407,880	G	001						1
	2	D	8	0	1,200	See Line 3	001						
	3				To be closed in accordance with Code of Federal Regulations (CFR), Title 40, Part 265, Subpart G. Permitted status is not requested. The unit of measure for capacity is cubic yards.								
	4												
	5								1			1	
	6												
	7												
	8												
	9												
1	0												
1	1												
1											1		İ.
	2												
1	2 3												
Not the	3 e: If yo lines s	seque	ntially	, takir	re than 13 process codes, attach an additional Ig into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar	'other" process (i.e.,	, D99, S99, T04 and	ame f d X99	orma) in It	t as a tem 8.	bove	Nun	nb
the 8.	3 e: If yo lines s Other .ine	seque Proce	ntially esses	, <i>takiı</i> (Follo	ng into account any lines that will be used for '	'other" process (i.e.,	, D99, S99, T04 and es)	ame f d X99	orma) in It	t as a cem 8.	bove	Nun	nb
Not the 8. L Nu (Ent sec	3 e: If yo lines s Other	Proce	ntially	, <i>takii</i> (Follo ^{Code}	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar	'other" process (i.e.,	, D99, S99, T04 and	ame f d X99) in It	t as a cem 8.	,		nb
Not the B. B. L Nu (Ent sec with	3 e: If your section of the section	Proce	ntially esses rocess	, <i>takii</i> (Follo ^{Code}	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY	<i>'other" process (i.e.,</i> nd X99 process code (2) Unit of	, D99, S99, T04 and es) C. Process Total	ame f d X99) in It	em 8.	,		nbe
Not the 8. L Nu (Ent sec	3 e: If you lines s Other ine mber er #s in uence ltem 7)	Proce	ntially esses rocess om list at	(Follo Code pove)	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	<i>'other" process (i.e.,</i> nd X99 process code (2) Unit of Measure	D99, S99, T04 and es) C. Process Total Number of Units	ame f d X99) in It	em 8.	,		nb
Not the 8. 8. L Nu (Ent sec with	3 e: If your for the second se	Proce A. P (Fro T	ntially esses rocess om list at 0	r, takin (Follo Code pove) 4	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	"other" process (i.e., nd X99 process code (2) Unit of Measure U	D99, S99, T04 and S) C. Process Total Number of Units 001	ame f d X99) in It	em 8.	,		
Not the B. B. L Nu (Ent sec with	3 e: If your provide the second seco	Proce A. P (Fro T	ntially esses rocess om list at 0	r, takin (Follo Code pove) 4	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 and B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00 600 To be closed in accordance with Code of Federal Regulations (CFR), Title 40, Part 265, Subpart G. Permitted status is not requested.	"other" process (i.e., nd X99 process code (2) Unit of Measure U	D99, S99, T04 and S) C. Process Total Number of Units 001	ame f d X99) in It	em 8.	,		
Not the B. B. L Nu (Ent sec with	3 e: If your provide the second seco	Proce A. P (Fro T	ntially esses rocess om list at 0	r, takin (Follo Code pove) 4	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 and B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00 600 To be closed in accordance with Code of Federal Regulations (CFR), Title 40, Part 265, Subpart G. Permitted status is not requested.	fother" process (i.e., ad X99 process code (2) Unit of Measure U	D99, S99, T04 and S) C. Process Total Number of Units 001	ame f d X99) in It	em 8.	,		
Not the 3. B. L Nu (Ent sec with	3 e: If your provide the second seco	Proce A. P (Fro T	ntially esses rocess om list at 0	r, takin (Follo Code pove) 4	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 and B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00 600 To be closed in accordance with Code of Federal Regulations (CFR), Title 40, Part 265, Subpart G. Permitted status is not requested.	fother" process (i.e., ad X99 process code (2) Unit of Measure U	D99, S99, T04 and S) C. Process Total Number of Units 001	ame f d X99) in It	em 8.	,		
Not the 8. 8. L Nu (Ent sec with	3 e: If your provide the second seco	Proce A. P (Fro T	ntially esses rocess om list at 0	r, takin (Follo Code pove) 4	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 and B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00 600 To be closed in accordance with Code of Federal Regulations (CFR), Title 40, Part 265, Subpart G. Permitted status is not requested.	fother" process (i.e., ad X99 process code (2) Unit of Measure U	D99, S99, T04 and S) C. Process Total Number of Units 001	ame f d X99) in It	em 8.	,		

			Proc		3 Item 7 (shown in line number X-1 below): A fac B. PROCESS DESIGN CAPACIT	-			<u> </u>				
	ne nber	(Fror	Code n list ab		(1) Amount (Specify)	(2) Unit of Measure	C. Process Total Number of Units		For	Officia	al Use	Only	
x	1	S	0	2	533.788	G	001						
		•			Technical Area 54, Area G	· · ·							
	1	S	0	1	4,346,590	G	009						
	2	S	0	1	4,950	See Line 4	001						
	3	D	8	0	14	See Line 5	001						
	4				To be closed in accordance with Code of Federal Regulations (CFR), Title 40, Part 265, Subpart G. Permitted status is not requested. The unit of measure for capacity is gallons. To be closed in accordance with Code of								
	5				Federal Regulations (CFR), Title 40, Part 265, Subpart G. Permitted status is not requested. The unit of measure for capacity is cubic yards.								
	6												
	7												
	8												
	9												
1	0												
1	1												
1	2												
1 1 Not	2 3 e: If y	ou nee seque	ed to li ntially	ist mo r, takir	re than 13 process codes, attach an additional g into account any lines that will be used for '	sheet(s) with the in "other" process (i.e.	formation in the sa , D99, S99, T04 and	ame fi d X99	ormat) in Ite	t as a em 8.	bove.	. Nun	nb
1 1 Not	2 3 e: If y lines	seque	ntially	, takir	re than 13 process codes, attach an additiona g into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 ar	"other" process (i.e.	, D99, S99, T04 and	ame fe d X99	ormat) in Ite	t as a em 8.	bove.	. Nun	mb
1 1 Not the 8.	2 3 e: If y lines Other ine	Proce	ntially esses	, takir (Follo	ng into account any lines that will be used for '	"other" process (i.e.	, D99, S99, T04 and es)	ame fo	ormat) in Ite	t as a em 8.	bove.	. Nun	nb
1 1 Not the 8. L Nu (Entu	2 3 e: If y lines Other	Seque Proce	ntially	r, takir (Follo Code	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar	"other" process (i.e.	, D99, S99, T04 and	ame fo) in Ite	t as a em 8.			nb
1 Not he 3. L Nu (Entro seq with	2 3 e: If y lines Other ine mber er #s in uence	Seque Proce	ntially esses rocess	r, takir (Follo Code	ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY	"other" process (i.e. nd X99 process code (2) Unit of	, D99, S99, T04 and es) C. Process Total	ame fo) in Ite	em 8.			nb
1 Not he 3. L Nu Seq with	2 3 e: If y lines Other ine mber er #s in uence Item 7)	Proce A. P (Fr	ntially esses rocess om list al	(Follo (Follo Code	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f d X99) in Ite	em 8.			nb
I I I I I I I I I I I I I I I I I I I	2 3 e: If y lines Other ine mber er #s in uence Item 7)	Proce A. P (Fr	ntially esses rocess om list al	, takir (Follo Code ^{Dove)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame fi d X99) in Ite	em 8.			
1 Not he 3. L Nu (Entro seq with	2 3 e: If y lines Other ine mber er #s in uence Item 7)	Proce A. P (Fr	ntially esses rocess om list al	, takir (Follo Code ^{Dove)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in Ite	em 8.			
1 Not the 3. L Nu (Entur seq with	2 3 e: If y lines Other ine mber er #s in uence Item 7)	Proce A. P (Fr	ntially esses rocess om list al	, takir (Follo Code ^{Dove)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame fi) in Ite	em 8.			
1 Not the 3. L Nu (Entur seq with	2 3 e: If y lines Other ine mber er #s in uence Item 7)	Proce A. P (Fr	ntially esses rocess om list al	, takir (Follo Code ^{Dove)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in Ite	em 8.			
1 Not the 3. L Nu (Entur seq with	2 3 e: If y lines Other ine mber er #s in uence Item 7)	Proce A. P (Fr	ntially esses rocess om list al	, takir (Follo Code ^{Dove)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame fild) in Ite	em 8.			
1 Not the 3. L Nu (Entur seq with	2 3 e: If y lines Other ine mber er #s in uence Item 7)	Proce A. P (Fr	ntially esses rocess om list al	, takir (Follo Code ^{Dove)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in Ite	em 8.			
1 Not the 3. L Nu (Entur seq with	2 3 e: If y lines Other ine mber er #s in uence Item 7)	Proce A. P (Fr	ntially esses rocess om list al	, takir (Follo Code ^{Dove)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame fi d X99) in Ite	em 8.			
1 Not the 8. L Nu (Entur seq with	2 3 e: If y lines Other ine mber er #s in uence Item 7)	Proce A. P (Fr	ntially esses rocess om list al	, takir (Follo Code ^{Dove)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in Ite	em 8.			
the 8. L Nu (Entropy seq	2 3 e: If y lines Other ine mber er #s in uence Item 7)	Proce A. P (Fr	ntially esses rocess om list al	, takir (Follo Code ^{Dove)}	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame fi d X99) in Ite	em 8.			

					G Item 7 (shown in line number X-1 below): A fac	sinty has a storage tan			o gan	01131			
	ine mber	A.	Proce Code		B. PROCESS DESIGN CAPACIT	Y	C. Process Total Number of Units		For	Officia	l Use	Only	
nu	nber	(Fror	n list ab	ove)	(1) Amount (Specify)	(2) Unit of Measure	Number of Units					-	
X	1	S	0	2	533.788	G	001						
					Technical Area 54 West								
	1	S	0	1	47,520	See Line 2	002						
	2				Capacity is in Gallons. 13,410 gallons of the total capacity is only available for excess storage capacity at the TA-54-38 West Outdoor Pad.								
	3												
	4												
	5												
	6												
	7												
	8												
	9												
1	0												
1	1												
1	2												
1	3												
1 No: the	3 te: If y lines	seque	ntially	, takir	re than 13 process codes, attach an additiona ng into account any lines that will be used for ny instructions from Itom 7 for D99, S99, T04 at	"other" process (i.e.,	, D99, S99, T04 and	ame f d X99	iorma)) in It	t as a em 8.	bove.	Nun	nb
1 No: the 8.	3 te: If y lines Other	seque	ntially	, takir	re than 13 process codes, attach an additiona og into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY	"other" process (i.e.,	, D99, S99, T04 and	ame f d X99	forma)) in It	t as a em 8.	bove.	Nun	mb
1 Noi the 8.	3 te: If y lines	Seque r Proce A. P (Fr	ntially	r, takir (Follo ⁻ Code	ng into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 an	"other" process (i.e.,	, D99, S99, T04 and	ame f d X99)) in It	t as a em 8. Officia			nb
l he 3.	3 te: If y lines Other Line umber ter #s in quence	Seque r Proce A. P (Fr	ntially esses rocess	r, takir (Follo ⁻ Code	ng into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY	"other" process (i.e., nd X99 process code (2) Unit of	, D99, S99, T04 and es) C. Process Total	ame f d X99)) in It	em 8.			nb
1 No he 3.	3 te: If y lines Other Line Imber ter #s in quence I tem 7)	Seque	ntially esses rocess om list al	r, takin (Follo Code Dove)	ng into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e., nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f d X99)) in It	em 8.			
1 No he 3.	3 te: If y lines Other Line Imber ter #s in quence I tem 7)	Seque	ntially esses rocess om list al	r, takin (Follo Code Dove)	ng into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e., nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f d X99)) in It	em 8.			nb
1 Vo the 3.	3 te: If y lines Other Line Imber ter #s in quence I tem 7)	Seque	ntially esses rocess om list al	r, takin (Follo Code Dove)	ng into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e., nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame I d X99)) in It	em 8.			nb
1 Vo the 3.	3 te: If y lines Other Line Imber ter #s in quence I tem 7)	Seque	ntially esses rocess om list al	r, takin (Follo Code Dove)	ng into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e., nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame t d X99)) in It	em 8.			
1 No: the 8.	3 te: If y lines Other Line Imber ter #s in quence I tem 7)	Seque	ntially esses rocess om list al	r, takin (Follo Code Dove)	ng into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e., nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f d X99)) in It	em 8.			
1 Vo the 3.	3 te: If y lines Other Line Imber ter #s in quence I tem 7)	Seque	ntially esses rocess om list al	r, takin (Follo Code Dove)	ng into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e., nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame I)) in It	em 8.			
1 Vo the 3.	3 te: If y lines Other Line Imber ter #s in quence I tem 7)	Seque	ntially esses rocess om list al	r, takin (Follo Code Dove)	ng into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e., nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units)) in It	em 8.			
1 Vo the 3.	3 te: If y lines Other Line Imber ter #s in quence I tem 7)	Seque	ntially esses rocess om list al	r, takin (Follo Code Dove)	ng into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e., nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units)) in It	em 8.			
1 Vo the 3.	3 te: If y lines Other Line Imber ter #s in quence I tem 7)	Seque	ntially esses rocess om list al	r, takin (Follo Code Dove)	ng into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e., nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units)) in It	em 8.			
the 8. Ι (En se	3 te: If y lines Other Line Imber ter #s in quence I tem 7)	Seque	ntially esses rocess om list al	r, takin (Follo Code Dove)	ng into account any lines that will be used for w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e., nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units)) in It	em 8.			

7.	Pro	cess	Code	s and	Design Capacities (Continued)								
EX	MPLE	FOR	COMP	LETIN	G Item 7 (shown in line number X-1 below): A fac	ility has a storage tar	ık, which can hold 5	33.78	8 gall	ons.			
	ine	Α.	Proc Code		B. PROCESS DESIGN CAPACIT	Y	C. Process Total		For	Officia	مالادم	Only	
Nu	nber	(Fror	n list ab		(1) Amount (Specify)	(2) Unit of Measure	Number of Units		FOI	Unicia	11 050	Only	
Х	1	S	0	2	533.788	G	001						
					Technical Area 54, Material Disposal Are	ea H							
	1	D	8	0	63	See Line 2	001						
	2				To be closed in accordance with Code of Federal Regulations (CFR), Title 40, Part 265, Subpart G. Permitted status is not requested. The unit of measure for capacity is cubic yards.								
	3												
	4												
	5												
	6												
	7												
	8												
	9												
1	0												
1	1												
1	2												
1	3												
the 8.	Other	seque Proce	entially esses	, takin (Follo	re than 13 process codes, attach an additional ng into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY	'other" process (i.e.	, D99, S99, T04 and	d X99) in It	em 8.			
(En se	mber er #s in juence Item 7)		om list al		(1) Amount (Specify)	(2) Unit of Measure	C. Process Total Number of Units		For	Officia	l Use	Only	
Х	2	т	0	4	100.00	U	001						
		_						-	1			<u> </u>	

Lir	ne		Proce		B. PROCESS DESIGN CAPACITY	Y	C. Process Total		_				
	nber		Code n list ab		(1) Amount (Specify)	(2) Unit of Measure	Number of Units		For	Officia	al Use	Only	
	1	S	0	2	533.788	G	001						
					Technical Area 55	•							
	1	S	0	1	272,145	G	009						l
	2	S	0	2	137	G	001						l
	3												I
	4												l
	5											l	
	6											Ī	
	7											I	
	8								1				l
T	9												ĺ
	0												l
	1												I
								-		1	1		T
	2												
lote he l	3 e: If yo lines	seque	ntially	, takir	re than 13 process codes, attach an additional ng into account any lines that will be used for "	other" process (i.e.	, D99, S99, T04 an	ame f d X99	orma) in It	t as a em 8.	bove.	Nur	n
lote he l	3 e: If yo lines Other ine	seque	ntially	, takir	re than 13 process codes, attach an additional ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY	other" process (i.e.	, D99, S99, T04 an	ame f d X99	orma) in It	t as a em 8.	bove.	Nur	n
he l 3. (Li Nur (Ente sequ	3 e: If yo lines Other	Proce	ntially	r, takir (Follo Code	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an	other" process (i.e.	, D99, S99, T04 an	ame f d X99) in It	em 8.	bove.		n
lote he l 5. (Li Ente sequ	3 2: If you lines Other ine mber er #s in uence	Proce	ntially esses (rocess	r, takir (Follo Code	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY	other" process (i.e.	, D99, S99, T04 and es) C. Process Total	ame f d X99) in It	em 8.			
lote he l Li Nur Ente sequ	3 e: If you lines of Other ine mber er #s in uence item 7)	Proce	ntially esses (rocess om list ab	(Follo (Follo Code pove)	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	other" process (i.e. d X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f d X99) in It	em 8.			
lote he l Li Nur Ente sequ	3 e: If your fines Other ine mber er #s in uence item 7) 2	Proce A. P (Fro T	ntially esses (rocess om list ab	r, takir (Follo Code pove) 4	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	fother" process (i.e. ad X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
lote he l Li Nur Ente sequ	3 e: If your fines Other ine mber er #s in uence item 7) 2	Proce A. P (Fro T	ntially esses (rocess om list ab	r, takir (Follo Code pove) 4	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	fother" process (i.e. ad X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
lote he l Li Nur Ente sequ	3 e: If your fines Other ine mber er #s in uence item 7) 2	Proce A. P (Fro T	ntially esses (rocess om list ab	r, takir (Follo Code pove) 4	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	fother" process (i.e. ad X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
l lote he l Li Nur Ente sequ	3 e: If your fines Other ine mber er #s in uence item 7) 2	Proce A. P (Fro T	ntially esses (rocess om list ab	r, takir (Follo Code pove) 4	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	fother" process (i.e. ad X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
lote he l Li Nur Ente sequ	3 e: If your fines Other ine mber er #s in uence item 7) 2	Proce A. P (Fro T	ntially esses (rocess om list ab	r, takir (Follo Code pove) 4	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	fother" process (i.e. ad X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
ote ne l Li Li Ente sequ ith l	3 e: If your fines Other ine mber er #s in uence item 7) 2	Proce A. P (Fro T	ntially esses (rocess om list ab	r, takir (Follo Code pove) 4	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	fother" process (i.e. ad X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
lote he l Li Nur Ente sequ	3 e: If your fines Other ine mber er #s in uence item 7) 2	Proce A. P (Fro T	ntially esses (rocess om list ab	r, takir (Follo Code pove) 4	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	fother" process (i.e. ad X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X999) in It	em 8.			
lote he l Li Nur Ente sequ	3 e: If your fines Other ine mber er #s in uence item 7) 2	Proce A. P (Fro T	ntially esses (rocess om list ab	r, takir (Follo Code pove) 4	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	fother" process (i.e. ad X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
l lote he l Li Nur Ente sequ	3 e: If your fines Other ine mber er #s in uence item 7) 2	Proce A. P (Fro T	ntially esses (rocess om list ab	r, takir (Follo Code pove) 4	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	fother" process (i.e. ad X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			
l lote he l Li Nur Ente sequ	3 e: If your fines Other ine mber er #s in uence item 7) 2	Proce A. P (Fro T	ntially esses (rocess om list ab	r, takir (Follo Code pove) 4	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	fother" process (i.e. ad X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99) in It	em 8.			

Li	ne		Proce Code		B. PROCESS DESIGN CAPACIT	Υ	C. Process Total		-	o			
	nber		n list ab		(1) Amount (Specify)	(2) Unit of Measure	Number of Units		For	Officia	al Use	Only	
х	1	S	0	2	533.788	G	001						
					Technical Area 63								
	1	S	0	1	105,875	G	001						
	2												
	3												
	4												
	5												
1	6												
1	7												
	8												
	9												
1	0												
1	1												
1	2												
-													
1 Vote	3 ə: lf yo	ou nee seque	d to li ntially	ist mo r, takir	re than 13 process codes, attach an additional g into account any lines that will be used for '	I sheet(s) with the in "other" process (i.e.	formation in the sa , D99, S99, T04 and	ame f d X99	orma) in Ite	t as a em 8.	bove.	Nun	nb
1 Vote the 3.	3 e: If yo lines s Other ine	sequei Proce	ntially sses	, takin (Follo	re than 13 process codes, attach an additional g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY	"other" process (i.e.	, D99, S99, T04 and es)	ame fi d X99	ormat) in Ite	t as a em 8.	bove.	Nun	nb
1 Note the B. L Nui (Ente sequ	3 e: If yo lines s Other	Proce	ntially	r, takin (Follov Code	g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar	"other" process (i.e.	, D99, S99, T04 and	ame fa d X99) in It	em 8.	bove.		nb
1 Note he 3. L Nui (Ente sequ with	3 e: If you lines s Other ine mber er #s in Jence	Proce	ntially sses rocess	r, takin (Follov Code	g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY	"other" process (i.e. nd X99 process code (2) Unit of	, D99, S99, T04 and es) C. Process Total	ame f d X99) in It	em 8.			nb
1 Note the B. E. E. U U U Ente sequent	3 e: If you lines s Other ine mber er #s in Jence item 7)	Proce	ntially SSES rocess om list at	r, takin (Follov Code ^{Dove)}	g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame fe d X99) in It	em 8.			
1 Note the 3. U Nui (Ente sequential with	3 e: If you lines s Other ine mber er #s in Jence item 7)	Proce	ntially SSES rocess om list at	r, takin (Follov Code ^{Dove)}	g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame fu d X99) in It	em 8.			
1 Note the 3. U Nui (Ente sequential with	3 e: If you lines s Other ine mber er #s in Jence item 7)	Proce	ntially SSES rocess om list at	r, takin (Follov Code ^{Dove)}	g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame fi d X99) in It	em 8.			
1 Note the B. E. E. U U U Ente sequent	3 e: If you lines s Other ine mber er #s in Jence item 7)	Proce	ntially SSES rocess om list at	r, takin (Follov Code ^{Dove)}	g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in It	em 8.			
1 Note the B. E. E. U U U Ente sequent	3 e: If you lines s Other ine mber er #s in Jence item 7)	Proce	ntially SSES rocess om list at	r, takin (Follov Code ^{Dove)}	g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f d X99) in It	em 8.			
1 Note the B. E. E. U U U Ente sequent	3 e: If you lines s Other ine mber er #s in Jence item 7)	Proce	ntially SSES rocess om list at	r, takin (Follov Code ^{Dove)}	g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in It	em 8.			
1 Vote the 3. U Nui (Ente sequential with	3 e: If you lines s Other ine mber er #s in Jence item 7)	Proce	ntially SSES rocess om list at	r, takin (Follov Code ^{Dove)}	g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in It	em 8.			
1 Vote the 3. U Nui (Ente sequential with	3 e: If you lines s Other ine mber er #s in Jence item 7)	Proce	ntially SSES rocess om list at	r, takin (Follov Code ^{Dove)}	g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in It	em 8.			
1 Vote the 3. U Nui (Ente sequential with	3 e: If you lines s Other ine mber er #s in Jence item 7)	Proce	ntially SSES rocess om list at	r, takin (Follov Code ^{Dove)}	g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in It	em 8.			
1 Vote the 3. U Nui (Ente sequential with	3 e: If you lines s Other ine mber er #s in Jence item 7)	Proce	ntially SSES rocess om list at	r, takin (Follov Code ^{Dove)}	g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in It	em 8.			
1 Note the B. E. E. U U U Ente sequent	3 e: If you lines s Other ine mber er #s in Jence item 7)	Proce	ntially SSES rocess om list at	r, takin (Follov Code ^{Dove)}	g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f d X99) in It	em 8.			
1 Note the 8. L Nur (Ente seq	3 e: If you lines s Other ine mber er #s in Jence item 7)	Proce	ntially SSES rocess om list at	r, takin (Follov Code ^{Dove)}	g into account any lines that will be used for ' w instructions from Item 7 for D99, S99, T04 ar B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	"other" process (i.e. nd X99 process code (2) Unit of Measure	, D99, S99, T04 and es) C. Process Total Number of Units	ame f) in It	em 8.			

9. Description of Hazardous Wastes – Enter information in the Sections on Form Page 5

- 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 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 Item 9.A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in Item 9.A, estimate the total annual quantity of all the nonlisted waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in Item 9.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	Р	KILOGRAMS	К
TONS	т	METRIC TONS	М

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 Item 9.A, select the code(s) from the list of process codes contained in Items 7.A and 8.A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the listed hazardous wastes.

For non-listed waste: For each characteristic or toxic contaminant entered in Item 9.A, select the code(s) from the list of process codes contained in Items 7.A and 8.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 possess 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 9.D(1).

3. Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 9.E.

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in Item 9.D(2) or in Item 9.E(2).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER – Hazardous waste 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 Item 9.A. On the same line complete Items 9.B, 9.C, and 9.D by estimating the total annual quantity of the waste and describing all the processes to be used to store, treat, and/or dispose of the waste.
- 2. In Item 9.A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In Item 9.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 9 (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 operations. 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.

		A. E	EPA H	azard	ous	B. Estimated Annual	C. Unit of							D. P	ROCE	SSES	
	ne 1ber		Wast Enter	e No. code)	Qty of Waste	Measure (Enter code)		(1	I) PRO	CESS	CODE	S (Ent	er cod	e)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
х	1	К	0	5	4	900	Р	т	0	3	D	8	0				
х	2	D	0	0	2	400	Р	Т	0	3	D	8	0				
х	3	D	0	0	1	100	Р	Т	0	3	D	8	0				
х	4	D	0	0	2												Included With Above

9. De	escriptio						Use the Additi	onal SI	heet(s) as n	eces	sary					
Line N	Number		EPA H Wast (Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1) PR	OCES	ss co	DDES		D. Pl er co		ESSI	ES (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
							Teo	hnical	Area	3							(
	1	D	0	0	1	7,000	Р	S	0	1							
	2	D	0	0	2	21,000	Р	S	0	1							
	3	D	0	0	3	2,500	Р	S	0	1							
	4	D	0	0	4	3,000	Р	S	0	1							
	5	D	0	0	5	3,000	Р	S	0	1							
	6	D	0	0	6	2,500	Р	S	0	1							
	7	D	0	0	7	7,000	Р	S	0	1							
	8	D	0	0	8	27,000	Р	S	0	1							
	9	D	0	0	9	4,000	Р	S	0	1	1	1	1		1		
1	0	D	0	1	0	2,500	Р	S	0	1	1	1	1		1		
1	1	D	0	1	1	3,000	Р	s	0	1							
1	2	D	0	1	2	1,000	Р	s	0	1							
1	3	D	0	1	8	1,500	Р	S	0	1							
1	4	D	0	1	9	2,000	Р	S	0	1							
1	5	D	0	2	1	2,000	Р	S	0	1							
1	6	D	0	2	2	2,000	Р	S	0	1							
1	7	D	0	2	3	2,000	Р	S	0	1							
1	8	D	0	2	4	2,000	Р	S	0	1							
1	9	D	0	2	5	2,000	Р	S	0	1							
2	0	D	0	2	6	2,000	Р	S	0	1							
2	1	D	0	2	7	1,500	Р	S	0	1							
2	2	D	0	2	8	2,000	Р	S	0	1							
2	3	D	0	2	9	1,000	Р	S	0	1							
2	4	D	0	3	0	1,500	Р	S	0	1							
2	5	D	0	3	2	1,500	Р	S	0	1							
2	6	D	0	3	3	1,500	Р	S	0	1							
2	7	D	0	3	4	1,500	Р	S	0	1							
2	8	D	0	3	5	3,500	Р	S	0	1							
2	9	D	0	3	6	1,500	Р	S	0	1			L		L		
3	0	D	0	3	7	1,000	Р	S	0	1							
3	1	D	0	3	8	1,500	Р	S	0	1							
3	2	D	0	3	9	2,500	Р	S	0	1							
3	3	D	0	4	0	2,500	Р	S	0	1							
3	4	D	0	4	2	1,500	Р	S	0	1			L		L		
3	5	D	0	4	3	1,500	Р	S	0	1							
3	6	F	0	0	1	21,000	Р	S	0	1			L		L		
3	7	F	0	0	2	21,000	Р	S	0	1							
3	8	F	0	0	3	21,000	Р	S	0	1							
3	9	F	0	0	4	2,500	Р	S	0	1						Ì	

9. D	escriptio						Use the Additi	onal S	Sheet	t(s) as	s nec	essa	ry; nu			
Line I	Number		EPA H Wast (Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PROC	ESS	COD	ES (Ei		ESSE	:S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
							Technica	I Area	a 3 (C	ontin	ued)					
4	0	F	0	0	5	21,000	Р	S	0	1						
4	1	F	0	0	6	500	Р	S	0	1						
4	2	F	0	0	7	500	Р	S	0	1						
4	3	F	0	0	9	500	Р	S	0	1						
4	4	Р	0	0	3	1,000	Р	S	0	1						
4	5	Ρ	0	1	2	1,000	Р	S	0	1						
4	6	Ρ	0	1	5	1,000	Р	S	0	1						
4	7	Ρ	0	2	9	1,000	Р	s	0	1						
4	8	Ρ	0	3	0	1,000	Р	s	0	1						
4	9	Ρ	0	3	1	1,000	Р	S	0	1						
5	0	Ρ	0	3	8	1,000	Р	S	0	1						
5	1	Ρ	0	5	6	1,000	Р	S	0	1						
5	2	Ρ	0	6	3	1,000	Р	S	0	1						
5	3	Ρ	0	6	8	1,000	Р	S	0	1						
5	4	Ρ	0	7	3	1,000	Р	S	0	1						
5	5	Ρ	0	7	6	1,000	Р	S	0	1						
5	6	Ρ	0	7	8	1,000	Р	S	0	1						
5	7	Р	0	9	5	1,000	Р	s	0	1						
5	8	Р	0	9	6	1,000	Р	s	0	1						
5	9	Р	0	9	8	1,000	Р	s	0	1						
6	0	Ρ	0	9	9	500	Р	S	0	1						
6	1	Р	1	0	6	1,000	Р	s	0	1						
6	2	Р	1	1	3	1,000	Р	s	0	1						
6	3	Ρ	1	2	0	1,000	Р	S	0	1						
6	4	U	0	0	1	1,000	Р	S	0	1						
6	5	U	0	0	2	1,000	Р	S	0	1						
6	6	U	0	0	3	1,000	Р	S	0	1						
6	7	U	0	1	2	1,000	Р	S	0	1						
6	8	U	0	1	9	1,000	Р	S	0	1						
6	9	U	0	2	2	1,000	Р	S	0	1						
7	0	U	0	2	9	1,000	Р	S	0	1						
7	1	U	0	3	1	1,000	Р	S	0	1						
7	2	U	0	3	7	1,000	Р	S	0	1						
7	3	U	0	4	4	1,000	Р	S	0	1						
7	4	U	0	4	5	1,000	Р	S	0	1						
7	5	U	0	5	2	1,000	Р	S	0	1						
7	6	U	0	5	6	1,000	Р	S	0	1						
7	7	U	0	5	7	1,000	Р	S	0	1						
7	8	U	0	7	5	1,000	Р	s	0	1						

9.	Desc	riptio	ns of I	lazaro	lous \	Naste	s (Continued.	Use the Additi	onal	Shee	t(s) as	s nec	essa				
Lin	e Num	ber		EPA H Wast (Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PROC	ESS	CODI	ES (Ei	D. P	-88E	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Technica	I Area	a 3 (C	ontin	ued)					•
	7	9	U	0	7	7	1,000	Р	S	0	1						
	8	0	U	0	8	0	1,000	Р	S	0	1						
	8	1	U	1	0	3	500	Р	S	0	1						
	8	2	U	1	0	8	1,000	Р	S	0	1						
	8	3	U	1	1	2	1,000	Р	S	0	1						
	8	4	U	1	1	5	1,000	Р	S	0	1						
	8	5	U	1	1	7	1,000	Р	S	0	1						
	8	6	U	1	2	1	1,000	Р	S	0	1						
	8	7	U	1	2	2	1,000	Р	S	0	1						
	8	8	U	1	2	3	1,000	Р	S	0	1						
	8	9	U	1	3	1	1,000	Р	S	0	1						
	9	0	U	1	3	3	1,000	Р	S	0	1						
	9	1	U	1	3	4	1,000	Р	S	0	1						
	9	2	U	1	3	5	1,000	Р	S	0	1						
	9	3	U	1	4	0	1,000	Р	S	0	1						
	9	4	U	1	4	4	1,000	Р	S	0	1						
	9	5	U	1	5	1	1,000	Р	S	0	1						
	9	6	U	1	5	4	1,000	Р	S	0	1						
	9	7	U	1	5	9	1,000	Р	S	0	1						
	9	8	U	1	6	0	1,000	Р	S	0	1						
	9	9	U	1	6	1	1,000	Р	S	0	1						
1	0	0	U	1	6	5	1,000	Р	S	0	1						
1	0	1	U	1	6	9	1,000	Р	S	0	1						
1	0	2	U	1	8	8	1,000	Р	S	0	1						
1	0	3	U	1	9	0	1,000	Р	S	0	1						
1	0	4	U	1	9	6	1,000	Р	S	0	1						
1	0	5	U	2	0	4	1,000	Р	S	0	1						
1	0	6	U	2	1	0	1,000	Р	S	0	1						
1	0	7	U	2	1	1	1,000	Р	S	0	1						
1	0	8	U	2	1	3	1,000	Р	S	0	1						
1	0	9	U	2	1	6	1,000	Р	S	0	1						
1	1	0	U	2	1	8	1,000	Р	S	0	1						
1	1	1	U	2	1	9	1,000	Р	S	0	1						
1	1	2	U	2	2	0	1,000	Р	S	0	1						
1	1	3	U	2	2	5	500	Р	S	0	1						
1	1	4	U	2	2	6	1,000	Р	S	0	1						
1	1	5	U	2	2	7	500	Р	S	0	1						
1	1	6	U	2	2	8	1,000	Р	S	0	1						
1	1	7	U	2	3	9	500	Р	S	0	1						

э.	DES	mpuc			ardous		Continued. Us B. Estimated			neeq	<u>5) us</u>	neo		y , ne		PROC		
Lin	e Nun	nber		N	lo. r code)		Annual Qty of Waste	Measure (Enter code)		(1) F	PROC	ESS	COD	ES (E	nter o			(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1
							•	Technical A	Area :	3 (Co	ntinu	ied)						
1	1	8	U	2	4	6	500	Р	S	0	1							
	-																	
									-									
									-									
											-							
													<u> </u>	<u> </u>				
									ļ						<u> </u>			
			<u> </u>															
	1	1	1		1	1				1			1	1				

<u>3. De</u>						В.	tinued. Use the		niona	1 3/16	54(3) 6	13 1100	,essa			ESSE	
Line N	lumber		Wast	lazar e No cod	•	Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En				(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1)
								Те	chnic	al Are	ea 14						
	1	D	0	0	1	2,000	Р	Х	0	1							
	2	D	0	0	3												Included with above.
	3	D	0	0	5												Included with above.
	4	D	0	0	6												Included with above.
	5	D	0	0	7												Included with above.
	6	D	0	0	8												Included with above.
	7	D	0	0	9												Included with above.
	8	D	0	1	1												Included with above.
	9	D	0	1	8												Included with above.
1	0	D	0	2	2												Included with above.
1	1	D	0	2	8												Included with above.
1	2	D	0	2	9												Included with above.
1	3	D	0	3	0												Included with above.
1	4	D	0	3	5												Included with above.
1	5	D	0	3	6												Included with above.
1	6	D	0	3	8												Included with above.
1	7	D	0	4	0												Included with above.
1	8	F	0	0	1												Included with above.
1	9	F	0	0	2												Included with above.
2	0	F	0	0	3												Included with above.
2	1	F	0	0	4												Included with above.
2	2	F	0	0	5												Included with above.
2	3																
2	4																
2	5																
2	6																
2	7																
2	8																
2	9																
3	0																
3	1																
3	2																
3	3													_			
3	4																
3	5																
3	6																
3	7																
3	8																
3	9	1										Ì	Ì	İ	1	İ	

9. D€	•	A. EF				B. Estimated	inued. Use the C. Unit of					-				CESS	
Line N	umber	v	Vaste	e No. code		Annual Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er	nter co	ode)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
		•						Tec	hnica	al Are	a 16						
	1	D	0	0	1	20,000	Р	Х	0	1							
	2	D	0	0	2												Included with above.
	3	D	0	0	3												Included with above.
	4	D	0	0	5												Included with above.
	5	D	0	0	6												Included with above.
	6	D	0	0	7												Included with above.
	7	D	0	0	8												Included with above.
	8	D	0	0	9												Included with above.
	9	D	0	1	0												Included with above.
1	0	D	0	1	1												Included with above.
1	1	D	0	1	8												Included with above.
1	2	D	0	2	2												Included with above.
1	3	D	0	2	8												Included with above.
1	4	D	0	2	9												Included with above.
1	5	D	0	3	0												Included with above.
1	6	D	0	3	5												Included with above.
1	7	D	0	3	6												Included with above.
1	8	D	0	3	8												Included with above.
1	9	D	0	4	0												Included with above.
2	0	F	0	0	1												Included with above.
2	1	F	0	0	2												Included with above.
2	2	F	0	0	3												Included with above.
2	3	F	0	0	4												Included with above.
2	4	F	0	0	5												Included with above.
2	5	К	0	4	4												Included with above.
2	6	К	0	4	5												Included with above.
2	7																
2	8																
2	9																
3	0																
3	1																
3	2																
3	3																
3	4																
3	5																
3	6																
3	7																
3	8																
3	9	1					1	1	1		1	1	1	1	1		

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9.	200011			lazaro		Wastes (Cor B. Estimated									ESSE	
	ine mber		Wast	e No. code		Annual Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	S (En		2002	(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Те	chnic	al Are	ea 36					
	1	D	0	0	1	15,000	Р	Х	0	1						
	2	D	0	0	3											Included with above.
	3	D	0	0	5											Included with above.
	4	D	0	0	6											Included with above.
	5	D	0	0	7											Included with above.
	6	D	0	0	8											Included with above.
	7	D	0	0	9											Included with above.
	8	D	0	1	0											Included with above.
	9	D	0	1	1											Included with above.
1	0	D	0	1	8											Included with above.
1	1	D	0	2	2											Included with above.
1	2	D	0	2	8											Included with above.
1	3	D	0	2	9											Included with above.
1	4	D	0	3	0											Included with above.
1	5	D	0	3	5											Included with above.
1	6	D	0	3	6											Included with above.
1	7	D	0	3	8											Included with above.
1	8	D	0	4	0											Included with above.
1	9	F	0	0	1											Included with above.
2	0	F	0	0	2											Included with above.
2	1	F	0	0	3											Included with above.
2	2	F	0	0	4											Included with above.
2	3	F	0	0	5											Included with above.
2	4															
2	5															
2	6															
2	7															
2	8	1														
2	9							1								
3	0	1														
3	1	1														
3	2	1														
3	3	1														
3	4	1														
3	5															
3	6															
3	7							1								
3	8	1						1								
3	9	+		<u> </u>		1		<u> </u>								

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9.	Descri		EPA H			B. Estimated	ntinued. Use the C. Unit of		uona	Sile	=((5) =	is net	essa		ESSE	
	ine mber		Wast Enter	e No.		Annual Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	S (En			(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
							I	Те	chnic	al Are	ea 39					
	1	D	0	0	1	15,000	Р	Х	0	1						
	2	D	0	0	3											Included with above.
	3	D	0	0	5											Included with above.
	4	D	0	0	6											Included with above.
	5	D	0	0	7											Included with above.
	6	D	0	0	8											Included with above.
	7	D	0	0	9											Included with above.
	8	D	0	1	0											Included with above.
	9	D	0	1	1											Included with above.
1	0	D	0	1	8											Included with above.
1	1	D	0	2	2											Included with above.
1	2	D	0	2	8											Included with above.
1	3	D	0	2	9											Included with above.
1	4	D	0	3	0											Included with above.
1	5	D	0	3	5											Included with above.
1	6	D	0	3	6											Included with above.
1	7	D	0	3	8											Included with above.
1	8	D	0	4	0											Included with above.
1	9	F	0	0	1											Included with above.
2	0	F	0	0	2											Included with above.
2	1	F	0	0	3											Included with above.
2	2	F	0	0	4											Included with above.
2	3	F	0	0	5											Included with above.
2	4		-	-	-											
2	5															
2	6															
2	7															
2	8															
2	9	+						1								
3	0	+						1								
3	1															
3	2															
3	3															
3	4															
3	4 5							+						 		
3	6															
	6				-											
3																
3	8															
3	9															

	Inc			lazaro		B. Estimated	<i>tinued. Use th</i> C. Unit of				• /					ESSE	S
	ine nber			e No. code		Annual Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	COD	ES (En	ter co	de)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1)
						Waste		Те	chnic	al Are	ea 50						
	1	D	0	0	1	69,696	Р	s	0	1	Т	0	4				
	2	D	0	0	2	52,734	P	S	0	1	T	0	4				
	3	D	0	0	3	3,444	P	S	0	1	· ·	Ű					
	4	D	0	0	4	7,531	P	S	0	1	Т	0	4				
	5	D	0	0	5	7,740	P	S	0	1	Т	0	4				
	6	D	0	0	6	535, 451	P	S	0	1	T	0	4				
	7	D	0	0	7	567, 226	P	S	0	. 1	T	0	4				
	8	D	0	0	8	1,405,439	P	s	0	1	T	0	4				
	9	D	0	0	9	75,666	P	S	0	1	т Т	0	4				
1	0	D	0	1	0	8,922	P	S	0	1	T	0	4				
1	1	D	0	1	1	31,255	P	s	0	1	T	0	4				
1	2	D	0	1	2	100	P	S	0	1		Ŭ	-				
1	3	D	0	1	3	100	P	s	0	1							
1	4	D	0	1	4	100	P	S	0	1							
1	5	D	0	1	5	100	P	s	0	1							
1	6	D	0	1	6	44	P	S	0	1							
1	7	D	0	1	7	66	P	s	0	1							
1	8	D	0	1	8	5,535	P	S	0	1	т	0	4				
1	9	D	0	1	9	4,261	P	S	0	1	т Т	0	4				
2	0	D	0	2	0	100	P	s	0	1	-	0	4				
2	1	D	0	2	1	100	P	S	0	1	т	0	4				
2	2	D	0	2	2	100	P	S	0	1	т Т	0	4				
2	3	D	0	2	3	100	P	S	0	1		0	4				
2	4	D	0	2	4	100	P	S	0	1							
2	5	D	0	2	5	100	P	S	0	1							
2	6	D	0	2	6	518	P	S	0	1							
2	7	D	0	2	7	972	P F	S	0	1	т	0	4				
2	8	D	0	2	8	216,783	P	S	0	1	T	0	4				
2	0 9	D	0	2	0 9	215,184	P	S	0	1	T	0	4				
2 3	0	D	0	2	9	5,491	P	S	0	1	T	0	4				
3 3	1	D	0	3	1	293	P	S	0	1	, '						
3 3	2	D	0	3	2	3,135	Р	S	0	1	т	0	4				
3 3	2	D	0	3	2	2,222	P P	S	0	1	т Т	0	4				
3 3	3 4				3		Р Р	S		1	T	0	4				
3 3	4 5	D	0	3	4 5	1,228 1,792	P P	S S	0		T		4				
		D	0	3		,			0	1	T	0	4				
3	6	D	0	3	6	549	P	S	0	1		0	-				
3	7	D	0	3	7	761	P	S	0	1	T	0	4				
3 3	8 9	D D	0	3 3	8 9	1,549 1,675	P P	S S	0	1	T T	0	4				

9.						D. Datharatad	Continued. Use the A	Addit	ional S	Sheet	(s) as	nece	essary				
Li	ne				dous	B. Estimated Annual	C. Unit of Measure							D.	PROC	ESSE	ES
	nber		Wast Enter			Qty of Waste	(Enter code)		(1)	PRO	CESS	CODE	ES (Er	nter co	ode)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
							Tech	nical	Area	50 (C	ontin	ued)					
4	0	D	0	4	0	3,942	Р	S	0	1	Т	0	4				
4	1	D	0	4	1	293	Р	S	0	1							
4	2	D	0	4	2	1,182	Р	S	0	1	Т	0	4				
4	3	D	0	4	3	655	Р	S	0	1	Т	0	4				
4	4	F	0	0	1	442,263	Р	S	0	1	Т	0	4				
4	5	F	0	0	2	147,347	Р	S	0	1	Т	0	4				
4	6	F	0	0	3	50,980	Р	S	0	1	Т	0	4				
4	7	F	0	0	4	2,817	Р	S	0	1	Т	0	4				
4	8	F	0	0	5	334,821	Р	S	0	1	Т	0	4				
4	9	F	0	0	6	100	Р	S	0	1	Т	0	4				
5	0	F	0	0	7	100	Р	S	0	1	Т	0	4				
5	1	F	0	0	8	100	Р	S	0	1							
5	2	F	0	0	9	165	Р	S	0	1	Т	0	4				
5	3	F	0	1	0	100	Р	S	0	1							
5	4	F	0	1	1	100	Р	S	0	1							
5	5	F	0	1	2	100	Р	S	0	1							
5	6	F	0	1	9	100	Р	S	0	1							
5	7	F	0	2	0	100	Р	S	0	1							
5	8	F	0	2	1	100	Р	S	0	1							
5	9	F	0	2	2	100	Р	S	0	1							
6	0	F	0	2	3	100	Р	S	0	1							
6	1	F	0	2	4	100	Р	S	0	1							
6	2	F	0	2	5	100	Р	S	0	1							
6	3	F	0	2	6	100	Р	S	0	1							
6	4	F	0	2	7	165	Р	S	0	1							
6	5	F	0	2	8	100	Р	S	0	1							
6	6	F	0	3	2	100	Р	S	0	1							
6	7	F	0	3	4	100	Р	S	0	1							
6	8	F	0	3	5	100	Р	S	0	1							
6	9	F	0	3	7	100	Р	S	0	1							
7	0	F	0	3	8	100	Р	S	0	1							
7	1	F	0	3	9	100	Р	S	0	1							
7	2	К	0	4	4	100	Р	S	0	1							
7	3	К	0	4	5	100	Р	S	0	1							
7	4	К	0	4	6	100	Р	S	0	1							
7	5	К	0	4	7	100	Р	S	0	1							
7	6	К	0	8	4	100	Р	S	0	1							
7	7	К	1	0	1	100	Р	S	0	1							
7	8	К	1	0	2	100	Р	S	0	1							

ſ

		-			lazaro		B. Estimated	nued. Use the A									ESSE	
Lin	e Nun	nber			te No. r code		Annual Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er	nter co	ode)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Tech	nical	Area {	50 (Co	ontinu	led)					
	7	9	Ρ	0	0	1	100	Р	S	0	1							
	8	0	Р	0	0	2	100	Р	S	0	1							
	8	1	Р	0	0	3	293	Р	S	0	1							
	8	2	Р	0	0	4	100	Р	S	0	1							
	8	3	Р	0	0	5	100	Р	S	0	1							
	8	4	Ρ	0	0	6	143	Р	S	0	1							
	8	5	Р	0	0	7	100	Р	S	0	1							
	8	6	Ρ	0	0	8	100	Р	S	0	1							
	8	7	Ρ	0	0	9	100	Р	S	0	1							
	8	8	Ρ	0	1	0	100	Р	S	0	1							
	8	9	Ρ	0	1	1	143	Р	S	0	1							
	9	0	Ρ	0	1	2	293	Р	S	0	1							
	9	1	Ρ	0	1	3	100	Р	S	0	1							
	9	2	Ρ	0	1	4	100	Р	S	0	1							
	9	3	Ρ	0	1	5	293	Р	S	0	1							
	9	4	Ρ	0	1	6	100	Р	S	0	1							
	9	5	Ρ	0	1	7	100	Р	S	0	1							
	9	6	Ρ	0	1	8	100	Р	S	0	1							
	9	7	Ρ	0	2	0	100	Р	S	0	1							
	9	8	Ρ	0	2	1	100	Р	S	0	1							
	9	9	Ρ	0	2	2	100	Р	S	0	1							
1	0	0	Ρ	0	2	3	100	Р	S	0	1							
1	0	1	Ρ	0	2	4	100	Р	S	0	1							
1	0	2	Ρ	0	2	6	100	Р	S	0	1							
1	0	3	Ρ	0	2	7	100	Р	S	0	1							
1	0	4	Ρ	0	2	8	100	Р	S	0	1							
1	0	5	Ρ	0	2	9	293	Р	S	0	1							
1	0	6	Ρ	0	3	0	485	Р	S	0	1							
1	0	7	Ρ	0	3	1	485	Р	S	0	1							
1	0	8	Ρ	0	3	3	143	Р	S	0	1							
1	0	9	Ρ	0	3	4	100	Р	S	0	1							
1	1	0	Ρ	0	3	6	100	Р	S	0	1							
1	1	1	Ρ	0	3	7	100	Р	S	0	1							
1	1	2	Ρ	0	3	8	227	Р	S	0	1							
1	1	3	Ρ	0	3	9	100	Р	S	0	1							
1	1	4	Ρ	0	4	0	100	Р	S	0	1							
1	1	5	Ρ	0	4	1	100	Р	S	0	1							
1	1	6	Ρ	0	4	2	100	Р	S	0	1							
1	1	7	Ρ	0	4	3	143	Р	S	0	1							

9.	De	scrip					Wastes (Con B. Estimated	ntinued. Use the	Add	itiona	l Shee	et(s) a	s nec	essar		mber PROC		
	Line umb			EPA H Wast Enter	e No.		Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er			ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
							1	Teo	hnica	al Area	a 50 (0	Contir	nued)					
1	1	8	Ρ	0	4	4	100	Р	S	0	1							
1	1	9	Р	0	4	5	100	Р	s	0	1							
1	2	0	Р	0	4	6	100	Р	S	0	1							
1	2	1	Р	0	4	7	100	Р	s	0	1							
1	2	2	Р	0	4	8	143	Р	s	0	1							
1	2	3	Р	0	4	9	100	Р	S	0	1							
1	2	4	Р	0	5	0	100	Р	S	0	1							
1	2	5	Р	0	5	1	100	Р	S	0	1							
1	2	6	Р	0	5	4	100	Р	S	0	1	1		1	1	1	1	
1	2	7	Р	0	5	6	2,624	Р	S	0	1							
1	2	8	Р	0	5	7	100	Р	S	0	1	1		1	1	1	1	
1	2	9	Р	0	5	8	100	Р	S	0	1							
1	3	0	Р	0	5	9	100	Р	S	0	1							
1	3	1	Ρ	0	6	0	100	Р	S	0	1							
1	3	2	Р	0	6	2	100	Р	S	0	1							
1	3	3	Р	0	6	3	293	Р	S	0	1							
1	3	4	Р	0	6	4	100	Р	S	0	1							
1	3	5	Р	0	6	5	100	Р	S	0	1							
1	3	6	Р	0	6	6	100	Р	S	0	1							
1	3	7	Р	0	6	7	100	Р	S	0	1							
1	3	8	Р	0	6	8	293	Р	S	0	1							
1	3	9	Ρ	0	6	9	100	Р	S	0	1							
1	4	0	Ρ	0	7	0	100	Р	S	0	1							
1	4	1	Р	0	7	1	100	Р	S	0	1							
1	4	2	Ρ	0	7	2	100	Р	S	0	1							
1	4	3	Р	0	7	3	293	Р	S	0	1							
1	4	4	Р	0	7	4	100	Р	S	0	1							
1	4	5	Ρ	0	7	5	100	Р	S	0	1							
1	4	6	Р	0	7	6	403	Р	S	0	1							
1	4	7	Ρ	0	7	7	100	Р	S	0	1							
1	4	8	Р	0	7	8	425	Р	S	0	1							
1	4	9	Р	0	8	1	100	Р	S	0	1							
1	5	0	Р	0	8	2	100	Р	S	0	1							
1	5	1	Ρ	0	8	4	100	Р	S	0	1							
1	5	2	Р	0	8	5	100	Р	S	0	1							
1	5	3	Ρ	0	8	7	100	Р	S	0	1							
1	5	4	Р	0	8	8	100	Р	S	0	1							
1	5	5	Р	0	8	9	100	Р	S	0	1							
1	5	6	Р	0	9	2	143	Р	s	0	1	1		1	1	1	1	

9.	De	scrip	tions	s of H	azar	dous		ntinued. Use the	Add	itiona	l Shee	et(s) a	s nec	essar				
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er		PROC	ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Teo	hnica	al Area	a 50 ((Contir	nued)					(
1	5	7	Р	0	9	3	100	Р	S	0	1		,					
1	5	8	Р	0	9	4	100	Р	S	0	1							
1	5	9	Р	0	9	5	293	Р	S	0	1							
1	6	0	Р	0	9	6	293	Р	s	0	1							
1	6	1	Р	0	9	7	100	Р	s	0	1							
1	6	2	Р	0	9	8	293	Р	S	0	1							
1	6	3	Ρ	0	9	9	100	Р	S	0	1							
1	6	4	Р	1	0	1	100	Р	S	0	1							
1	6	5	Р	1	0	2	100	Р	S	0	1			1	1	1	1	
1	6	6	Р	1	0	3	100	Р	S	0	1			1	1	1	1	
1	6	7	Р	1	0	4	143	Р	S	0	1							
1	6	8	Ρ	1	0	5	143	Р	S	0	1							
1	6	9	Р	1	0	6	293	Р	S	0	1							
1	7	0	Ρ	1	0	8	100	Р	S	0	1							
1	7	1	Ρ	1	0	9	100	Р	S	0	1							
1	7	2	Ρ	1	1	0	100	Р	S	0	1							
1	7	3	Ρ	1	1	1	100	Р	S	0	1							
1	7	4	Ρ	1	1	2	143	Р	S	0	1							
1	7	5	Ρ	1	1	3	293	Р	S	0	1							
1	7	6	Ρ	1	1	4	100	Р	S	0	1							
1	7	7	Ρ	1	1	5	100	Р	S	0	1							
1	7	8	Ρ	1	1	6	100	Р	S	0	1							
1	7	9	Ρ	1	1	8	100	Р	S	0	1							
1	8	0	Ρ	1	1	9	143	Р	S	0	1							
1	8	1	Ρ	1	2	0	293	Р	S	0	1							
1	8	2	Ρ	1	2	1	100	Р	S	0	1							
1	8	3	Ρ	1	2	2	100	Р	S	0	1							
1	8	4	Ρ	1	2	3	100	Р	S	0	1							
1	8	5	Р	1	2	7	100	Р	S	0	1							
1	8	6	Ρ	1	2	8	100	Р	S	0	1							
1	8	7	Ρ	1	8	5	100	Р	S	0	1							
1	8	8	Ρ	1	8	8	100	Р	S	0	1							
1	8	9	Ρ	1	8	9	100	Р	S	0	1							
1	9	0	Ρ	1	9	0	100	Р	S	0	1							
1	9	1	Ρ	1	9	1	100	Р	S	0	1							
1	9	2	Ρ	1	9	2	100	Р	S	0	1							
1	9	3	Ρ	1	9	4	100	Р	S	0	1							
1	9	4	Ρ	1	9	6	100	Р	S	0	1							
1	9	5	Р	1	9	7	100	Р	S	0	1							

9.	Des	scrip	tions	s of H	azar	dous		tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar	y; nu	mber	pages	s as 5 a, etc.)
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En			ESSE	(2) PROCESS DESCRIPTION
				Luter	cout	7)	Waste	. ,						(,		(If a code is not entered in 9.D(1))
				1				1	1	1	-	Contir	ued)	1	r	r	r	
1	9	6	Ρ	1	9	8	100	Р	S	0	1							
1	9	7	Ρ	1	9	9	100	Р	S	0	1							
1	9	8	Р	2	0	1	100	Р	S	0	1							
1	9	9	Ρ	2	0	2	100	Р	S	0	1							
2	0	0	Ρ	2	0	3	100	Р	S	0	1							
2	0	1	Ρ	2	0	4	100	Р	S	0	1							
2	0	2	Ρ	2	0	5	100	Р	S	0	1							
2	0	3	U	0	0	1	293	Р	S	0	1							
2	0	4	U	0	0	2	954	Р	S	0	1							
2	0	5	U	0	0	3	485	Р	S	0	1							
2	0	6	U	0	0	4	100	Р	S	0	1							
2	0	7	U	0	0	5	100	Р	S	0	1				<u> </u>			
2	0	8	U	0	0	6	100	Р	S	0	1							
2	0	9	U	0	0	7	143	Р	S	0	1							
2	1	0	U	0	0	8	143	Р	S	0	1							
2	1	1	U	0	0	9	143	Р	S	0	1							
2	1	2	U	0	1	0	100	Р	S	0	1							
2	1	3	U	0	1	1	100	Р	S	0	1							
2	1	4	U	0	1	2	293	Р	S	0	1							
2	1	5	U	0	1	4	100	Р	S	0	1							
2	1	6	U	0	1	5	100	Р	S	0	1							
2	1	7	U	0	1	6	100	Р	S	0	1							
2	1	8	U	0	1	7	100	Р	S	0	1							
2	1	9	U	0	1	8	143	Р	S	0	1							
2	2	0	U	0	1	9	470	Р	S	0	1							
2	2	1	U	0	2	0	100	Р	S	0	1							
2	2	2	U	0	2	1	100	Р	S	0	1						L	
2	2	3	U	0	2	2	293	Р	S	0	1							
2	2	4	U	0	2	3	100	Р	S	0	1						L	
2	2	5	U	0	2	4	100	Р	S	0	1							
2	2	6	U	0	2	5	100	Р	S	0	1							
2	2	7	U	0	2	6	100	Р	S	0	1							
2	2	8	U	0	2	7	100	Р	S	0	1							
2	2	9	U	0	2	8	100	Р	S	0	1							
2	3	0	U	0	2	9	293	Р	S	0	1							
2	3	1	U	0	3	0	100	Р	S	0	1							
2	3	2	U	0	3	1	293	Р	S	0	1							
2	3	3	U	0	3	2	100	Р	S	0	1							
2	3	4	U	0	3	3	143	Р	S	0	1							

9.	De	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar				
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En		PROC	ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Тес	hnica	I Area	a 50 (C	Contin	nued)					
2	3	5	U	0	3	4	100	Р	S	0	1		_					
2	3	6	U	0	3	5	100	Р	s	0	1							
2	3	7	U	0	3	6	100	Р	s	0	1							
2	3	8	U	0	3	7	143	Р	S	0	1							
2	3	9	U	0	3	8	100	Р	S	0	1							
2	4	0	U	0	3	9	100	Р	S	0	1							
2	4	1	U	0	4	1	143	Р	S	0	1							
2	4	2	U	0	4	2	100	Р	S	0	1							
2	4	3	U	0	4	3	100	Р	s	0	1							
2	4	4	U	0	4	4	293	Р	S	0	1				1		1	
2	4	5	U	0	4	5	293	Р	S	0	1							
2	4	6	U	0	4	6	100	Р	S	0	1							
2	4	7	U	0	4	7	100	Р	S	0	1							
2	4	8	U	0	4	8	100	Р	S	0	1							
2	4	9	U	0	4	9	100	Р	S	0	1							
2	5	0	U	0	5	0	100	Р	S	0	1							
2	5	1	U	0	5	1	100	Р	S	0	1							
2	5	2	U	0	5	2	293	Р	S	0	1							
2	5	3	U	0	5	3	100	Р	S	0	1							
2	5	4	U	0	5	5	143	Р	S	0	1							
2	5	5	U	0	5	6	293	Р	S	0	1							
2	5	6	U	0	5	7	293	Р	S	0	1							
2	5	7	U	0	5	8	100	Р	S	0	1							
2	5	8	U	0	5	9	100	Р	S	0	1							
2	5	9	U	0	6	0	100	Р	S	0	1							
2	6	0	U	0	6	1	100	Р	S	0	1							
2	6	1	U	0	6	2	100	Р	S	0	1							
2	6	2	U	0	6	3	100	Р	S	0	1							
2	6	3	U	0	6	4	100	Р	S	0	1							
2	6	4	U	0	6	6	100	Р	S	0	1							
2	6	5	U	0	6	7	143	Р	S	0	1							
2	6	6	U	0	6	8	143	Р	S	0	1							
2	6	7	U	0	6	9	100	Р	S	0	1							
2	6	8	U	0	7	0	165	Р	S	0	1							
2	6	9	U	0	7	1	100	Р	S	0	1							
2	7	0	U	0	7	2	100	Р	S	0	1							
2	7	1	U	0	7	3	100	Р	S	0	1							
2	7	2	U	0	7	4	100	Р	S	0	1							
2	7	3	U	0	7	5	381	Р	S	0	1							

9.	Des	scrip	tions	s of H	azaro	dous	Wastes (Con B. Estimated	tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar				
	Line umb			EPA H Wast Enter	e No.		Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODI	ES (Er		PROC	ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Tec	hnica	I Area	a 50 (C	Contir	nued)					•
2	7	4	U	0	7	6	100	Р	S	0	1							
2	7	5	U	0	7	7	293	Р	S	0	1							
2	7	6	U	0	7	8	100	Р	S	0	1							
2	7	7	U	0	7	9	100	Р	S	0	1							
2	7	8	U	0	8	0	4,129	Р	S	0	1	т	0	4				
2	7	9	U	0	8	1	100	Р	S	0	1							
2	8	0	U	0	8	2	100	Р	S	0	1							
2	8	1	U	0	8	3	100	Р	S	0	1							
2	8	2	U	0	8	4	100	Р	S	0	1							
2	8	3	U	0	8	5	143	Р	S	0	1							
2	8	4	U	0	8	6	100	Р	S	0	1							
2	8	5	U	0	8	7	100	Р	S	0	1							
2	8	6	U	0	8	8	100	Р	S	0	1							
2	8	7	U	0	8	9	100	Р	S	0	1							
2	8	8	U	0	9	0	100	Р	S	0	1							
2	8	9	U	0	9	1	518	Р	S	0	1							
2	9	0	U	0	9	2	143	Р	S	0	1							
2	9	1	U	0	9	3	100	Р	S	0	1							
2	9	2	U	0	9	4	100	Р	S	0	1							
2	9	3	U	0	9	5	100	Р	S	0	1							
2	9	4	U	0	9	6	100	Р	S	0	1							
2	9	5	U	0	9	7	100	Р	S	0	1							
2	9	6	U	0	9	8	100	Р	S	0	1							
2	9	7	U	0	9	9	100	Р	S	0	1							
2	9	8	U	1	0	1	100	Р	S	0	1							
2	9	9	U	1	0	2	100	Р	S	0	1	1		1	1	1		
3	0	0	U	1	0	3	143	Р	S	0	1	1		1	1	1		
3	0	1	U	1	0	5	100	Р	S	0	1		1	1	Ĩ	1		
3	0	2	U	1	0	6	100	Р	S	0	1			1		1		
3	0	3	U	1	0	7	100	Р	S	0	1	1		1	1	1		
3	0	4	U	1	0	8	293	Р	S	0	1							
3	0	5	U	1	0	9	143	Р	s	0	1			1				
3	0	6	U	1	1	0	100	Р	S	0	1							
3	0	7	U	1	1	1	100	Р	s	0	1			1				
3	0	8	U	1	1	2	293	Р	S	0	1			1		1		
3	0	9	U	1	1	3	100	Р	S	0	1			1		1		
3	1	0	U	1	1	4	100	Р	s	0	1							
3	1	1	U	1	1	5	293	Р	s	0	1			1				
3	1	2	U	1	1	6	100	Р	s	0	1			1				

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9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	tiona	Shee	et(s) a	s nec	essar	y; nu	mber	pages	s as 5 a, etc.)
	Line		A. E	EPA H Wast			B. Estimated Annual	C. Unit of Measure							D. F	PROC	ESSE	
Ν	umb	er	(Enter	code	e)	Qty of Waste	(Enter code)		(1)	PRO	CESS	CODE	ES (En	ter co	de)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Tec	hnica	I Area	a 50 (C	Contin	ued)					
3	1	3	U	1	1	7	293	Р	S	0	1							
3	1	4	U	1	1	8	100	Р	S	0	1							
3	1	5	U	1	1	9	100	Р	S	0	1							
3	1	6	U	1	2	0	100	Р	S	0	1							
3	1	7	U	1	2	1	293	Р	S	0	1							
3	1	8	U	1	2	2	778	Р	S	0	1							
3	1	9	U	1	2	3	293	Р	S	0	1							
3	2	0	U	1	2	4	143	Р	S	0	1							
3	2	1	U	1	2	5	100	Р	S	0	1							
3	2	2	U	1	2	6	100	Р	S	0	1							
3	2	3	U	1	2	7	100	Р	S	0	1							
3	2	4	U	1	2	8	100	Р	S	0	1							
3	2	5	U	1	2	9	100	Р	S	0	1							
3	2	6	U	1	3	0	100	Р	S	0	1							
3	2	7	U	1	3	1	293	Р	S	0	1							
3	2	8	U	1	3	2	100	Р	S	0	1							
3	2	9	U	1	3	3	293	Р	S	0	1							
3	3	0	U	1	3	4	667	Р	S	0	1							
3	3	1	U	1	3	5	447	Р	S	0	1							
3	3	2	U	1	3	6	143	Р	S	0	1							
3	3	3	U	1	3	7	100	Р	S	0	1							
3	3	4	U	1	3	8	100	Р	S	0	1							
3	3	5	U	1	4	0	293	Р	S	0	1							
3	3	6	U	1	4	1	100	Р	S	0	1							
3	3	7	U	1	4	2	100	Р	S	0	1							
3	3	8	U	1	4	3	100	Р	S	0	1							
3	3	9	U	1	4	4	293	Р	S	0	1							
3	4	0	U	1	4	5	293	Р	S	0	1							
3	4	1	U	1	4	6	100	Р	S	0	1							
3	4	2	U	1	4	7	100	Р	S	0	1							
3	4	3	U	1	4	8	100	Р	S	0	1							
3	4	4	U	1	4	9	100	Р	S	0	1							
3	4	5	U	1	5	0	100	Р	S	0	1							
3	4	6	U	1	5	1	884	Р	S	0	1							
3	4	7	U	1	5	2	100	Р	S	0	1							
3	4	8	U	1	5	3	143	Р	S	0	1							
3	4	9	U	1	5	4	359	Р	S	0	1							
3	5	0	U	1	5	5	100	Р	S	0	1							
3	5	1	U	1	5	6	100	Р	S	0	1							

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9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	tiona	Shee	et(s) a	s nec	essar			
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En		ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Tec	hnica	I Area	a 50 (C	Contin	nued)				
3	5	2	U	1	5	7	100	Р	S	0	1		-				
3	5	3	U	1	5	8	100	Р	s	0	1						
3	5	4	U	1	5	9	315	Р	S	0	1						
3	5	5	U	1	6	0	293	Р	S	0	1						
3	5	6	U	1	6	1	470	Р	S	0	1						
3	5	7	U	1	6	2	143	Р	S	0	1						
3	5	8	U	1	6	3	143	Р	S	0	1						
3	5	9	U	1	6	4	100	Р	S	0	1						
3	6	0	U	1	6	5	293	Р	S	0	1						
3	6	1	U	1	6	6	100	Р	S	0	1						
3	6	2	U	1	6	7	143	Р	S	0	1						
3	6	3	U	1	6	8	143	Р	S	0	1						
3	6	4	U	1	6	9	293	Р	S	0	1						
3	6	5	U	1	7	0	143	Р	S	0	1						
3	6	6	U	1	7	1	100	Р	S	0	1						
3	6	7	U	1	7	2	100	Р	S	0	1						
3	6	8	U	1	7	3	100	Р	S	0	1						
3	6	9	U	1	7	4	100	Р	S	0	1						
3	7	0	U	1	7	6	100	Р	S	0	1						
3	7	1	U	1	7	7	100	Р	S	0	1						
3	7	2	U	1	7	8	100	Р	S	0	1						
3	7	3	U	1	7	9	100	Р	S	0	1						
3	7	4	U	1	8	0	100	Р	S	0	1						
3	7	5	U	1	8	1	100	Р	S	0	1						
3	7	6	U	1	8	2	100	Р	S	0	1						
3	7	7	U	1	8	3	100	Р	S	0	1						
3	7	8	U	1	8	4	100	Р	S	0	1						
3	7	9	U	1	8	5	100	Р	S	0	1						
3	8	0	U	1	8	6	100	Р	S	0	1						
3	8	1	U	1	8	7	100	Р	S	0	1						
3	8	2	U	1	8	8	293	Р	S	0	1					<u> </u>	
3	8	3	U	1	8	9	100	Р	S	0	1						
3	8	4	U	1	9	0	293	Р	S	0	1						
3	8	5	U	1	9	1	100	Р	S	0	1					<u> </u>	
3	8	6	U	1	9	2	100	Р	S	0	1						
3	8	7	U	1	9	3	100	Р	S	0	1					<u> </u>	
3	8	8	U	1	9	4	100	Р	S	0	1						
3	8	9	U	1	9	6	293	Р	S	0	1						
3	9	0	U	1	9	7	100	Р	S	0	1						

9.	Des	scrip						tinued. Use the	e Addi	tional	Shee	et(s) a	s nec	essar				
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En			ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
			1					Teo	hnica	I Area	a 50 (C	Contir	ued)					· · · · · · · · · · · · · · · · · · ·
3	9	1	U	2	0	0	100	Р	S	0	1		,					
3	9	2	U	2	0	1	100	Р	s	0	1							
3	9	3	U	2	0	2	100	Р	s	0	1							
3	9	4	U	2	0	3	100	Р	s	0	1							
3	9	5	U	2	0	4	293	Р	S	0	1							
3	9	6	U	2	0	5	100	Р	S	0	1							
3	9	7	U	2	0	6	100	Р	S	0	1							
3	9	8	U	2	0	7	100	Р	S	0	1							
3	9	9	U	2	0	8	100	Р	S	0	1							
4	0	0	U	2	0	9	100	Р	S	0	1							
4	0	1	U	2	1	0	513	Р	S	0	1				İ	İ	1	
4	0	2	U	2	1	1	359	Р	S	0	1							
4	0	3	U	2	1	3	293	Р	S	0	1							
4	0	4	U	2	1	4	100	Р	S	0	1							
4	0	5	U	2	1	5	100	Р	S	0	1							
4	0	6	U	2	1	6	293	Р	S	0	1							
4	0	7	U	2	1	7	100	Р	S	0	1							
4	0	8	U	2	1	8	293	Р	S	0	1							
4	0	9	U	2	1	9	293	Р	S	0	1							
4	1	0	U	2	2	0	491	Р	S	0	1							
4	1	1	U	2	2	1	100	Р	S	0	1							
4	1	2	U	2	2	2	100	Р	S	0	1							
4	1	3	U	2	2	3	143	Р	S	0	1							
4	1	4	U	2	2	5	293	Р	S	0	1							
4	1	5	U	2	2	6	6,594	Р	S	0	1							
4	1	6	U	2	2	7	293	Р	S	0	1							
4	1	7	U	2	2	8	1,219	Р	S	0	1							
4	1	8	U	2	3	4	100	Р	S	0	1							
4	1	9	U	2	3	5	100	Р	S	0	1							
4	2	0	U	2	3	6	100	Р	S	0	1							
4	2	1	U	2	3	7	100	Р	S	0	1							
4	2	2	U	2	3	8	100	Р	S	0	1							
4	2	3	U	2	3	9	646	Р	S	0	1							
4	2	4	U	2	4	0	143	Р	S	0	1							
4	2	5	U	2	4	3	100	Р	S	0	1							
4	2	6	U	2	4	4	100	Р	S	0	1							
4	2	7	U	2	4	6	231	Р	S	0	1							
4	2	8	U	2	4	7	100	Р	S	0	1							
4	2	9	U	2	4	8	100	Р	S	0	1							

9.	De	scrip	otions	s of H	azaro	dous		tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar			
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En		ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
							muoto	Tec	hnica	Area	a 50 (0	Contin	nued)				
4	3	0	U	2	4	9	100	P	S	0	1						
4	3	1	U	2	7	1	100	P	s	0	1						
4	3	2	U	2	7	8	100	P	s	0	1						
4	3	3	U	2	7	9	100	P	s	0	1						
4	3	4	U	2	8	0	100	P	s	0	1						
4	3	5	U	3	2	8	100	P	S	0	1						
4	3	6	U	3	5	3	100	P	S	0	1						
4	3	7	U	3	5	9	100	P	S	0	1						
4	3	8	U	3	6	4	100	P	s	0	1						
4	3	9	U	3	6	7	100	P	s	0	1				 		
4	4	0	U	3	7	2	100	P	S	0	1						
4	4	1	U	3	7	3	100	P	s	0	1						
4	4	2	U	3	8	7	100	P	S	0	1						
4	4	3	U	3	8	9	100	P	S	0	1						
4	4	4	U	3	9	4	100	P	s	0	1						
4	4	5	U	3	9	5	100	P	s	0	1						
4	4	6	U	4	0	4	100	P	s	0	1						
4	4	7	U	4	0	9	100	P	s	0	1						
4	4	8	U	4	1	0	100	P	S	0	1						
4	4	9	U	4	1	1	100	P	s	0	1						
4	5	0	-						-	-							
4	5	1															
4	5	2															
4	5	3															
4	5	4															
4	5	5															
4	5	6															
4	5	7															
4	5	8															
4	5	9															
4	6	0															
4	6	1															
4	6	2															
4	6	3															
4	6	4															
4	6	5															
4	6	6													 		
4	6	7															
4	6	8															

9.	Descri					B. Estimated	ntinued. Use th	e Add	itiona	i Shee	et(s) a	is nec	essal		pages ESSE	
	ine nber		EPA H Wast Enter	e No.		Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En			(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Techn	ical A	rea 54	1, Are	a L				
	1	D	0	0	1	220,000	Р	S	0	1						
	2	D	0	0	2	365,000	Р	s	0	1						
	3	D	0	0	3	100,000	Р	S	0	1						
	4	D	0	0	4	25,000	Р	S	0	1						
	5	D	0	0	5	80,000	Р	S	0	1						
	6	D	0	0	6	65,000	Р	S	0	1						
	7	D	0	0	7	75,000	Р	S	0	1						
	8	D	0	0	8	800,000	Р	S	0	1						
	9	D	0	0	9	65,000	Р	S	0	1						
1	0	D	0	1	0	30,000	Р	S	0	1				1		
1	1	D	0	1	1	40,000	Р	S	0	1						
1	2	D	0	1	2	12,000	Р	S	0	1						
1	3	D	0	1	3	4,000	Р	S	0	1						
1	4	D	0	1	4	4,000	Р	S	0	1						
1	5	D	0	1	5	7,000	Р	S	0	1						
1	6	D	0	1	6	4,000	Р	S	0	1						
1	7	D	0	1	7	4,000	Р	S	0	1						
1	8	D	0	1	8	20,000	Р	S	0	1						
1	9	D	0	1	9	20,000	Р	S	0	1						
2	0	D	0	2	0	30,000	Р	S	0	1						
2	1	D	0	2	1	10,000	Р	S	0	1						
2	2	D	0	2	2	23,000	Р	S	0	1						
2	3	D	0	2	3	4,000	Р	S	0	1						
2	4	D	0	2	4	4,000	Р	S	0	1						
2	5	D	0	2	5	4,000	Р	S	0	1						
2	6	D	0	2	6	4,000	Р	S	0	1						
2	7	D	0	2	7	12,000	Р	S	0	1						
2	8	D	0	2	8	30,000	Р	S	0	1						
2	9	D	0	2	9	7,000	Р	S	0	1						
3	0	D	0	3	0	20,000	Р	S	0	1						
3	1	D	0	3	1	12,000	Р	S	0	1						
3	2	D	0	3	2	19,000	Р	S	0	1						
3	3	D	0	3	3	19,000	Р	S	0	1						
3	4	D	0	3	4	19,000	Р	S	0	1						
3	5	D	0	3	5	20,000	Р	S	0	1						
3	6	D	0	3	6	9,000	Р	S	0	1						
3	7	D	0	3	7	7,000	Р	S	0	1						
3	8	D	0	3	8	4,000	Р	S	0	1						
3	9	D	0	3	9	10,000	Р	S	0	1				l		

9.						D. Datharatad	Continued. Use the A	4aaiti	onal	Sneet	(s) as	nece	essary				
	ne nber	1	PA H Wast Enter	e No		Annual Qty of	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er			ESSI	ES (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
		``			-,	Waste	Technica	1 4	- 54	A	(0-		I\		-		(If a code is not entered in 9.D(1))
		_				17.000	Technica	r	1	1		ntinu	ea)		1		1
4	0	D	0	4	0	15,000	P	S	0	1							
4	1	D	0	4	1	7,000	P	S	0	1							
4	2	D	0	4	2	12,000	P	S	0	1		-	-				
4	3	D	0	4	3	15,000	P	S	0	1							
4	4	F	0	0	1	660,000	P	S	0	1							
4	5	F	0	0	2	350,000	P	S	0	1							
4	6	F	0	0	3	250,000	P	S	0	1							
4	7	F	0	0	4	30,000	P	S	0	1							
4	8	F	0	0	5	250,000	P	S	0	1							
4	9	F	0	0	6	7,000	P	S	0	1							
5	0	F	0	0	7	28,000	P	S	0	1							
5	1	F	0	0	8	7,000	P	S	0	1							
5	2	F	0	0	9	8,000	P	S	0	1							
5	3	F	0	1	0	4,000	P	S	0	1							
5	4	F	0	1	1	4,000	P	S	0	1							
5	5	F	0	1	2	4,000	Р	S	0	1							
5	6	F	0	1	9	500	P	S	0	1							
5	7	F	0	2	0	500	Р	S	0	1							
5	8	F	0	2	1	500	P	S	0	1							
5	9	F	0	2	2	500	Р	S	0	1							
6	0	F	0	2	3	500	P	S	0	1							
6	1	F	0	2	4	500	Р	S	0	1							
6	2	F	0	2	5	500	Р	S	0	1							
6	3	F	0	2	6	500	Р	S	0	1							
6	4	F	0	2	7	4,000	P	S	0	1							
6	5	F	0	2	8	4,000	Р	S	0	1							
6	6	F	0	3	2	500	Р	S	0	1							
6	7	F	0	3	4	500	P	S	0	1							
6	8	F	0	3	5	500	P	S	0	1							
6	9	F	0	3	7	500	P	S	0	1							
7	0	F	0	3	8	500	P	S	0	1							
7	1	F	0	3	9	4,000	P	S	0	1							
7	2	K	0	4	4	22,000	P	S	0	1							
7	3	K	0	4	5	4,000	P	S	0	1							
7	4	К	0	4	6	4,000	P	S	0	1							
7	5	К	0	4	7	4,000	Р	S	0	1							
7	6	К	0	8	4	500	Р	S	0	1							
7	7	К	1	0	1	500	Р	S	0	1		<u> </u>	<u> </u>	<u> </u>			
7	8	К	1	0	2	500	Р	S	0	1							

				EPA H	lazar	dous	B. Estimated Annual	0.0111.01								ROC		
Line	e Num	nber	(te No. r code		Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er	iter co	ode)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1)
								Technica	I Area	a 54, <i>A</i>	Area L	. (Cor	ntinue	ed)				
	7	9	Р	0	0	1	4,000	Р	S	0	1							
	8	0	Р	0	0	2	4,000	Р	S	0	1							
	8	1	Р	0	0	3	4,000	Р	S	0	1							
	8	2	Р	0	0	4	4,000	Р	S	0	1							
	8	3	Р	0	0	5	4,000	Р	S	0	1							
	8	4	Р	0	0	6	4,000	Р	S	0	1							
	8	5	Р	0	0	7	4,000	Р	S	0	1							
	8	6	Р	0	0	8	4,000	Р	S	0	1							
	8	7	Р	0	0	9	4,000	Р	S	0	1							
	8	8	Р	0	1	0	4,000	Р	S	0	1							
	8	9	Р	0	1	1	4,000	Р	S	0	1							
	9	0	Р	0	1	2	4,000	Р	S	0	1							
	9	1	Р	0	1	3	4,000	Р	S	0	1							
	9	2	Р	0	1	4	4,000	Р	S	0	1							
	9	3	Р	0	1	5	4,000	Р	S	0	1							
	9	4	Р	0	1	6	4,000	Р	S	0	1							
	9	5	Р	0	1	7	4,000	Р	S	0	1							
	9	6	Ρ	0	1	8	4,000	Р	S	0	1							
	9	7	Р	0	2	0	4,000	Р	S	0	1							
	9	8	Ρ	0	2	1	4,000	Р	S	0	1							
	9	9	Р	0	2	2	4,000	Р	S	0	1							
1	0	0	Ρ	0	2	3	4,000	Р	S	0	1							
1	0	1	Р	0	2	4	4,000	Р	S	0	1							
1	0	2	Р	0	2	6	4,000	Р	S	0	1							
1	0	3	Р	0	2	7	4,000	Р	S	0	1							
1	0	4	Р	0	2	8	4,000	Р	S	0	1							
1	0	5	Р	0	2	9	4,000	Р	S	0	1							
1	0	6	Р	0	3	0	4,000	Р	S	0	1							
1	0	7	Р	0	3	1	4,000	Р	S	0	1							
1	0	8	Р	0	3	3	4,000	Р	S	0	1							
1	0	9	Р	0	3	4	4,000	Р	S	0	1							
1	1	0	Р	0	3	6	4,000	Р	S	0	1							
1	1	1	Р	0	3	7	4,000	Р	S	0	1							
1	1	2	Р	0	3	8	4,000	Р	S	0	1							
1	1	3	Р	0	3	9	4,000	Р	S	0	1							
1	1	4	Р	0	4	0	4,000	Р	S	0	1							
1	1	5	Р	0	4	1	4,000	Р	S	0	1							
1	1	6	Р	0	4	2	4,000	Р	S	0	1							
1	1	7	Р	0	4	3	4,000	Р	s	0	1	1	1	1	1	1	1	

9.	De	scrip					Wastes (Cor B. Estimated	ntinued. Use the	Add	itiona	l Shee	et(s) a	s nec	essar				
N	Line umb			EPA H Wast Enter	e No.		Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er		PROC	E99E	5 (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
							1	Techni	cal Ar	ea 54	, Area	L (Co	ontinu	ied)				
1	1	8	Р	0	4	4	4,000	Р	S	0	1							
1	1	9	Р	0	4	5	4,000	Р	s	0	1							
1	2	0	Р	0	4	6	4,000	Р	S	0	1							
1	2	1	Р	0	4	7	4,000	Р	S	0	1							
1	2	2	Р	0	4	8	4,000	Р	s	0	1							
1	2	3	Р	0	4	9	4,000	Р	S	0	1							
1	2	4	Р	0	5	0	4,000	Р	s	0	1							
1	2	5	Р	0	5	1	4,000	Р	S	0	1							
1	2	6	Р	0	5	4	4,000	Р	S	0	1							
1	2	7	Р	0	5	6	4,000	Р	S	0	1							
1	2	8	Р	0	5	7	4,000	Р	S	0	1	1			1	1	1	
1	2	9	Р	0	5	8	4,000	Р	S	0	1							
1	3	0	Р	0	5	9	4,000	Р	S	0	1							
1	3	1	Ρ	0	6	0	4,000	Р	S	0	1							
1	3	2	Р	0	6	2	4,000	Р	S	0	1							
1	3	3	Р	0	6	3	4,000	Р	S	0	1							
1	3	4	Р	0	6	4	4,000	Р	S	0	1							
1	3	5	Р	0	6	5	4,000	Р	S	0	1							
1	3	6	Р	0	6	6	4,000	Р	S	0	1							
1	3	7	Р	0	6	7	4,000	Р	S	0	1							
1	3	8	Р	0	6	8	4,000	Р	S	0	1							
1	3	9	Р	0	6	9	4,000	Р	S	0	1							
1	4	0	Р	0	7	0	4,000	Р	S	0	1							
1	4	1	Р	0	7	1	4,000	Р	S	0	1							
1	4	2	Р	0	7	2	4,000	Р	S	0	1							
1	4	3	Р	0	7	3	4,000	Р	S	0	1							
1	4	4	Р	0	7	4	4,000	Р	S	0	1							
1	4	5	Ρ	0	7	5	4,000	Р	S	0	1							
1	4	6	Р	0	7	6	4,000	Р	S	0	1							
1	4	7	Ρ	0	7	7	4,000	Р	S	0	1							
1	4	8	Р	0	7	8	4,000	Р	S	0	1							
1	4	9	Р	0	8	1	4,000	Р	S	0	1							
1	5	0	Р	0	8	2	4,000	Р	S	0	1							
1	5	1	Р	0	8	4	4,000	Р	S	0	1							
1	5	2	Р	0	8	5	4,000	Р	S	0	1							
1	5	3	Р	0	8	7	4,000	Р	S	0	1							
1	5	4	Р	0	8	8	4,000	Р	S	0	1							
1	5	5	Р	0	8	9	4,000	Р	S	0	1							
1	5	6	Р	0	9	2	4,000	Р	s	0	1	1		1	1	1	1	

9.	De	scrip					Wastes (Cor B. Estimated	ntinued. Use the	Add	itiona	l Shee	et(s) a	s nec	essar			
	Line umb			EPA H Wast Enter	e No.		Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er	PROC	ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Techni	cal Ar	ea 54	, Area	L (Co	ontinu	ued)			
1	5	7	Р	0	9	3	4,000	Р	S	0	1						
1	5	8	Р	0	9	4	4,000	Р	s	0	1						
1	5	9	Р	0	9	5	4,000	Р	S	0	1						
1	6	0	Р	0	9	6	4,000	Р	S	0	1						
1	6	1	Р	0	9	7	4,000	Р	S	0	1						
1	6	2	Ρ	0	9	8	4,000	Р	S	0	1						
1	6	3	Ρ	0	9	9	4,000	Р	S	0	1						
1	6	4	Ρ	1	0	1	4,000	Р	S	0	1						
1	6	5	Ρ	1	0	2	4,000	Р	S	0	1						
1	6	6	Ρ	1	0	3	4,000	Р	S	0	1						
1	6	7	Ρ	1	0	4	4,000	Р	S	0	1						
1	6	8	Ρ	1	0	5	4,000	Р	S	0	1						
1	6	9	Ρ	1	0	6	4,000	Р	S	0	1						
1	7	0	Ρ	1	0	8	4,000	Р	S	0	1						
1	7	1	Ρ	1	0	9	4,000	Р	S	0	1						
1	7	2	Ρ	1	1	0	4,000	Р	S	0	1						
1	7	3	Ρ	1	1	1	4,000	Р	S	0	1						
1	7	4	Ρ	1	1	2	4,000	Р	S	0	1						
1	7	5	Ρ	1	1	3	4,000	Р	S	0	1						
1	7	6	Ρ	1	1	4	4,000	Р	S	0	1						
1	7	7	Ρ	1	1	5	4,000	Р	S	0	1						
1	7	8	Ρ	1	1	6	4,000	Р	S	0	1						
1	7	9	Ρ	1	1	8	4,000	Р	S	0	1						
1	8	0	Ρ	1	1	9	4,000	Р	S	0	1						
1	8	1	Ρ	1	2	0	4,000	Р	S	0	1						
1	8	2	Р	1	2	1	4,000	Р	S	0	1						
1	8	3	Р	1	2	2	4,000	Р	S	0	1						
1	8	4	Ρ	1	2	3	4,000	Р	S	0	1						
1	8	5	Р	1	2	7	4,000	Р	S	0	1						
1	8	6	Ρ	1	2	8	4,000	Р	S	0	1						
1	8	7	Ρ	1	8	5	4,000	Р	S	0	1						
1	8	8	Ρ	1	8	8	4,000	Р	S	0	1						
1	8	9	Ρ	1	8	9	4,000	Р	S	0	1						
1	9	0	Ρ	1	9	0	4,000	Р	S	0	1						
1	9	1	Ρ	1	9	1	4,000	Р	S	0	1						
1	9	2	Ρ	1	9	2	4,000	Р	S	0	1						
1	9	3	Ρ	1	9	4	4,000	Р	S	0	1						
1	9	4	Ρ	1	9	6	4,000	Р	S	0	1						
1	9	5	Р	1	9	7	4,000	Р	S	0	1						

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9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar				
	Line		A. E	EPA H			B. Estimated Annual	0. 0111 01							D. F	PROC	ESSE	S
	umb		(Wast Enter			Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En	ter co	de)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Technic	cal Ar	ea 54,	, Area	L (Co	ontinu	ied)				•
1	9	6	Ρ	1	9	8	4,000	Р	S	0	1							
1	9	7	Ρ	1	9	9	4,000	Р	S	0	1							
1	9	8	Ρ	2	0	1	4,000	Р	S	0	1							
1	9	9	Ρ	2	0	2	4,000	Р	S	0	1							
2	0	0	Ρ	2	0	3	4,000	Р	S	0	1							
2	0	1	Ρ	2	0	4	4,000	Р	S	0	1							
2	0	2	Ρ	2	0	5	4,000	Р	S	0	1							
2	0	3	U	0	0	1	4,000	Р	S	0	1							
2	0	4	U	0	0	2	4,000	Р	S	0	1							
2	0	5	U	0	0	3	4,000	Р	S	0	1							
2	0	6	U	0	0	4	4,000	Р	S	0	1							
2	0	7	U	0	0	5	4,000	Р	S	0	1							
2	0	8	U	0	0	6	4,000	Р	S	0	1							
2	0	9	U	0	0	7	4,000	Р	S	0	1							
2	1	0	U	0	0	8	4,000	Р	S	0	1							
2	1	1	U	0	0	9	4,000	Р	S	0	1							
2	1	2	U	0	1	0	4,000	Р	S	0	1							
2	1	3	U	0	1	1	4,000	Р	S	0	1							
2	1	4	U	0	1	2	4,000	Р	S	0	1							
2	1	5	U	0	1	4	4,000	Р	S	0	1							
2	1	6	U	0	1	5	4,000	Р	S	0	1							
2	1	7	U	0	1	6	4,000	Р	S	0	1							
2	1	8	U	0	1	7	4,000	Р	S	0	1							
2	1	9	U	0	1	8	4,000	Р	S	0	1							
2	2	0	U	0	1	9	4,000	Р	S	0	1							
2	2	1	U	0	2	0	4,000	Р	S	0	1							
2	2	2	U	0	2	1	4,000	Р	S	0	1							
2	2	3	U	0	2	2	4,000	Р	S	0	1							
2	2	4	U	0	2	3	4,000	Р	S	0	1							
2	2	5	U	0	2	4	4,000	Р	S	0	1							
2	2	6	U	0	2	5	4,000	Р	S	0	1							
2	2	7	U	0	2	6	4,000	Р	S	0	1							
2	2	8	U	0	2	7	4,000	Р	S	0	1							
2	2	9	U	0	2	8	4,000	Р	S	0	1							
2	3	0	U	0	2	9	4,000	Р	S	0	1							
2	3	1	U	0	3	0	4,000	Р	S	0	1							
2	3	2	U	0	3	1	4,000	Р	S	0	1			1	1			
2	3	3	U	0	3	2	4,000	Р	S	0	1							
2	3	4	U	0	3	3	4,000	Р	s	0	1						1	

9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar	y; nu	mber	pages	s as 5 a, etc.)
	Line		A. E	EPA H			B. Estimated Annual	0. 0111 01							D. F	PROC	ESSE	S
	umb		(Wast Enter			Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En	ter co	de)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Technic	cal Ar	ea 54,	, Area	L (Co	ontinu	ied)				•
2	3	5	U	0	3	4	4,000	Р	S	0	1							
2	3	6	U	0	3	5	4,000	Р	S	0	1							
2	3	7	U	0	3	6	4,000	Р	S	0	1							
2	3	8	U	0	3	7	4,000	Р	S	0	1							
2	3	9	U	0	3	8	4,000	Р	S	0	1							
2	4	0	U	0	3	9	4,000	Р	S	0	1							
2	4	1	U	0	4	1	4,000	Р	S	0	1							
2	4	2	U	0	4	2	4,000	Р	S	0	1							
2	4	3	U	0	4	3	4,000	Р	S	0	1							
2	4	4	U	0	4	4	4,000	Р	S	0	1							
2	4	5	U	0	4	5	4,000	Р	S	0	1							
2	4	6	U	0	4	6	4,000	Р	S	0	1							
2	4	7	U	0	4	7	4,000	Р	S	0	1							
2	4	8	U	0	4	8	4,000	Р	S	0	1							
2	4	9	U	0	4	9	4,000	Р	S	0	1							
2	5	0	U	0	5	0	4,000	Р	S	0	1							
2	5	1	U	0	5	1	4,000	Р	S	0	1							
2	5	2	U	0	5	2	4,000	Р	S	0	1							
2	5	3	U	0	5	3	4,000	Р	S	0	1							
2	5	4	U	0	5	5	4,000	Р	S	0	1							
2	5	5	U	0	5	6	4,000	Р	S	0	1							
2	5	6	U	0	5	7	4,000	Р	S	0	1							
2	5	7	U	0	5	8	4,000	Р	S	0	1							
2	5	8	U	0	5	9	4,000	Р	S	0	1							
2	5	9	U	0	6	0	4,000	Р	S	0	1							
2	6	0	U	0	6	1	4,000	Р	S	0	1							
2	6	1	U	0	6	2	4,000	Р	S	0	1							
2	6	2	U	0	6	3	4,000	Р	S	0	1							
2	6	3	U	0	6	4	4,000	Р	S	0	1							
2	6	4	U	0	6	6	4,000	Р	S	0	1							
2	6	5	U	0	6	7	4,000	Р	S	0	1							
2	6	6	U	0	6	8	4,000	Р	S	0	1							
2	6	7	U	0	6	9	4,000	Р	S	0	1							
2	6	8	U	0	7	0	4,000	Р	S	0	1							
2	6	9	U	0	7	1	4,000	Р	S	0	1						1	
2	7	0	U	0	7	2	4,000	Р	S	0	1			1				
2	7	1	U	0	7	3	4,000	Р	S	0	1							
2	7	2	U	0	7	4	4,000	Р	S	0	1	1						
2	7	3	U	0	7	5	4,000	Р	S	0	1							

9.	9. Descrip Line Number			s of H	azaro	dous		e Additional Sheet(s) as necessary; number pages as 5 a, etc.)										
				EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code) (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))									
			I				music	Technic	l cal ∆r	ea 54	Area		ontini	ied)				
2	7	4	U	0	7	6	4,000	P	S	0	1	2 (00						
2	7	5	U	0	, 7	7	4,000	P	S	0	1							
2	7	6	U	0	7	8	4,000	P	s	0	1							
2	7	7	U	0	7	9	4,000	P	S	0	1							
2	7	8	U	0	8	0	4,000	P	s	0	1							
2	7	9	U	0	8	1	4,000	P	s	0	1							
2	8	0	U	0	8	2	4,000	P	s	0	1							
2	8	1	U	0	8	3	4,000	P	S	0	1							
2	8	2	U	0	8	4	4,000	Р	S	0	1							
2	8	3	U	0	8	5	4,000	P	S	0	1							
2	8	4	U	0	8	6	4,000	P	S	0	1			<u> </u>				
2	8	5	U	0	8	7	4,000	Р	s	0	1							
2	8	6	U	0	8	8	4,000	Р	s	0	1							
2	8	7	U	0	8	9	4,000	Р	S	0	1							
2	8	8	U	0	9	0	4,000	Р	s	0	1							
2	8	9	U	0	9	1	4,000	Р	S	0	1							
2	9	0	U	0	9	2	4,000	Р	S	0	1							
2	9	1	U	0	9	3	4,000	Р	S	0	1							
2	9	2	U	0	9	4	4,000	Р	S	0	1							
2	9	3	U	0	9	5	4,000	Р	S	0	1							
2	9	4	U	0	9	6	4,000	Р	S	0	1							
2	9	5	U	0	9	7	4,000	Р	S	0	1							
2	9	6	U	0	9	8	4,000	Р	S	0	1							
2	9	7	U	0	9	9	4,000	Р	S	0	1							
2	9	8	U	1	0	1	4,000	Р	S	0	1							
2	9	9	U	1	0	2	4,000	Р	S	0	1							
3	0	0	U	1	0	3	4,000	Р	S	0	1							
3	0	1	U	1	0	5	4,000	Р	S	0	1							
3	0	2	U	1	0	6	4,000	Р	S	0	1							
3	0	3	U	1	0	7	4,000	Р	S	0	1							
3	0	4	U	1	0	8	4,000	Р	S	0	1							
3	0	5	U	1	0	9	4,000	Р	S	0	1							
3	0	6	U	1	1	0	4,000	Р	S	0	1							
3	0	7	U	1	1	1	4,000	Р	S	0	1							
3	0	8	U	1	1	2	4,000	Р	S	0	1							
3	0	9	U	1	1	3	4,000	Р	S	0	1							
3	1	0	U	1	1	4	4,000	Р	S	0	1							
3	1	1	U	1	1	5	4,000	Р	S	0	1							
3	1	2	U	1	1	6	4,000	Р	S	0	1							

9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	tiona	Shee	et(s) a	s nec	essar				
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En			ESSE	(2) PROCESS DESCRIPTION
				Lurei	coue	5)	Waste	```						-		,		(If a code is not entered in 9.D(1))
			1	1	1			Technie		· · · · ·	-	L (Co	ontinu	ied)	r	r	r	
3	1	3	U	1	1	7	4,000	Р	S	0	1							
3	1	4	U	1	1	8	4,000	Р	S	0	1							
3	1	5	U	1	1	9	4,000	Р	S	0	1							
3	1	6	U	1	2	0	4,000	Р	S	0	1							
3	1	7	U	1	2	1	4,000	Р	S	0	1							
3	1	8	U	1	2	2	4,000	Р	S	0	1							
3	1	9	U	1	2	3	4,000	Р	S	0	1							
3	2	0	U	1	2	4	4,000	Р	S	0	1							
3	2	1	U	1	2	5	4,000	Р	S	0	1							
3	2	2	U	1	2	6	4,000	Р	S	0	1							
3	2	3	U	1	2	7	4,000	Р	S	0	1			<u> </u>				
3	2	4	U	1	2	8	4,000	Р	S	0	1							
3	2	5	U	1	2	9	4,000	Р	S	0	1							
3	2	6	U	1	3	0	4,000	Р	S	0	1							
3	2	7	U	1	3	1	4,000	Р	S	0	1							
3	2	8	U	1	3	2	4,000	Р	S	0	1							
3	2	9	U	1	3	3	4,000	Р	S	0	1							
3	3	0	U	1	3	4	4,000	Р	S	0	1							
3	3	1	U	1	3	5	4,000	Р	S	0	1							
3	3	2	U	1	3	6	4,000	Р	S	0	1							
3	3	3	U	1	3	7	4,000	Р	S	0	1							
3	3	4	U	1	3	8	4,000	Р	S	0	1							
3	3	5	U	1	4	0	4,000	Р	S	0	1							
3	3	6	U	1	4	1	4,000	Р	S	0	1							
3	3	7	U	1	4	2	4,000	Р	S	0	1							
3	3	8	U	1	4	3	4,000	Р	S	0	1							
3	3	9	U	1	4	4	4,000	Р	S	0	1						L	
3	4	0	U	1	4	5	4,000	Р	S	0	1							
3	4	1	U	1	4	6	4,000	Р	S	0	1							
3	4	2	U	1	4	7	4,000	Р	S	0	1							
3	4	3	U	1	4	8	4,000	Р	S	0	1							
3	4	4	U	1	4	9	4,000	Р	S	0	1							
3	4	5	U	1	5	0	4,000	Р	S	0	1							
3	4	6	U	1	5	1	4,000	Р	S	0	1							
3	4	7	U	1	5	2	4,000	Р	S	0	1							
3	4	8	U	1	5	3	4,000	Р	S	0	1							
3	4	9	U	1	5	4	4,000	Р	S	0	1							
3	5	0	U	1	5	5	4,000	Р	S	0	1							
3	5	1	U	1	5	6	4,000	Р	S	0	1							

9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar				
	Line		A. I	EPA H			B. Estimated Annual	0. 0111 01							D. F	PROC	ESSE	S
	umb		(Wast Enter			Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En	ter co	de)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Technic	cal Ar	ea 54,	, Area	L (Co	ontinu	ied)				•
3	5	2	U	1	5	7	4,000	Р	S	0	1							
3	5	3	U	1	5	8	4,000	Р	S	0	1							
3	5	4	U	1	5	9	4,000	Р	S	0	1							
3	5	5	U	1	6	0	4,000	Р	S	0	1							
3	5	6	U	1	6	1	4,000	Р	S	0	1							
3	5	7	U	1	6	2	4,000	Р	S	0	1							
3	5	8	U	1	6	3	4,000	Р	S	0	1							
3	5	9	U	1	6	4	4,000	Р	S	0	1							
3	6	0	U	1	6	5	4,000	Р	S	0	1							
3	6	1	U	1	6	6	4,000	Р	S	0	1							
3	6	2	U	1	6	7	4,000	Р	S	0	1							
3	6	3	U	1	6	8	4,000	Р	S	0	1							
3	6	4	U	1	6	9	4,000	Р	S	0	1							
3	6	5	U	1	7	0	4,000	Р	S	0	1							
3	6	6	U	1	7	1	4,000	Р	S	0	1							
3	6	7	U	1	7	2	4,000	Р	S	0	1							
3	6	8	U	1	7	3	4,000	Р	S	0	1							
3	6	9	U	1	7	4	4,000	Р	S	0	1							
3	7	0	U	1	7	6	4,000	Р	S	0	1							
3	7	1	U	1	7	7	4,000	Р	S	0	1							
3	7	2	U	1	7	8	4,000	Р	S	0	1							
3	7	3	U	1	7	9	4,000	Р	S	0	1							
3	7	4	U	1	8	0	4,000	Р	S	0	1							
3	7	5	U	1	8	1	4,000	Р	S	0	1							
3	7	6	U	1	8	2	4,000	Р	S	0	1							
3	7	7	U	1	8	3	4,000	Р	S	0	1							
3	7	8	U	1	8	4	4,000	Р	S	0	1							
3	7	9	U	1	8	5	4,000	Р	S	0	1							
3	8	0	U	1	8	6	4,000	Р	S	0	1							
3	8	1	U	1	8	7	4,000	Р	S	0	1							
3	8	2	U	1	8	8	4,000	Р	S	0	1							
3	8	3	U	1	8	9	4,000	Р	S	0	1							
3	8	4	U	1	9	0	4,000	Р	S	0	1							
3	8	5	U	1	9	1	4,000	Р	S	0	1							
3	8	6	U	1	9	2	4,000	Р	S	0	1							
3	8	7	U	1	9	3	4,000	Р	S	0	1							
3	8	8	U	1	9	4	4,000	Р	S	0	1							
3	8	9	U	1	9	6	4,000	Р	S	0	1				1			
3	9	0	U	1	9	7	4,000	Р	s	0	1						1	

9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	itional	Shee	et(s) a	s nec	essar				
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En			ESSE	(2) PROCESS DESCRIPTION
						,	Waste			54	A	1 (0-		(h. a.)		-		(If a code is not entered in 9.D(1))
2	0	4	U	2	0	0	4 000	Technie P	S	ea 54	, Area		ntinu	iea)				
3	9 9	1 2	U	2	0		4,000	P P	s S	-								
3	9	2	U	2	0	1	4,000 4,000	P P	S S	0	1							
3	9	4	U	2	0	2	4,000	P	S	0	1							
3	9	4 5	U	2	0	4	4,000	P	S	0	1							
3	9	6	U	2	0	5	4,000	P	s	0	1							
3	9	7	U	2	0	6	4,000	P	s	0	1							
3	9	8	U	2	0	7	4,000	P	s	0	1							
3	9	9	U	2	0	8	4,000	P	S	0	1							
4	0	0	U	2	0	9	4,000	P	S	0	1							
4	0	1	U	2	1	0	4,000	P	s	0	1							
4	0	2	U	2	1	1	4,000	Р	S	0	1							
4	0	3	U	2	1	3	4,000	Р	s	0	1							
4	0	4	U	2	1	4	4,000	Р	s	0	1							
4	0	5	U	2	1	5	4,000	Р	S	0	1							
4	0	6	U	2	1	6	4,000	Р	S	0	1							
4	0	7	U	2	1	7	4,000	Р	S	0	1							
4	0	8	U	2	1	8	4,000	Р	S	0	1							
4	0	9	U	2	1	9	4,000	Р	S	0	1							
4	1	0	U	2	2	0	7,000	Р	S	0	1							
4	1	1	U	2	2	1	4,000	Р	S	0	1							
4	1	2	U	2	2	2	4,000	Р	S	0	1							
4	1	3	U	2	2	3	4,000	Р	S	0	1							
4	1	4	U	2	2	5	4,000	Р	S	0	1							
4	1	5	U	2	2	6	7,000	Р	S	0	1							
4	1	6	U	2	2	7	4,000	Р	S	0	1							
4	1	7	U	2	2	8	7,000	Р	S	0	1							
4	1	8	U	2	3	4	4,000	Р	S	0	1							
4	1	9	U	2	3	5	4,000	Р	S	0	1							
4	2	0	U	2	3	6	4,000	Р	S	0	1							
4	2	1	U	2	3	7	4,000	Р	S	0	1							
4	2	2	U	2	3	8	4,000	Р	S	0	1							
4	2	3	U	2	3	9	7,000	Р	S	0	1							
4	2	4	U	2	4	0	4,000	Р	S	0	1							
4	2	5	U	2	4	3	4,000	Р	S	0	1							
4	2	6	U	2	4	4	4,000	Р	S	0	1							
4	2	7	U	2	4	6	4,000	Р	S	0	1							
4	2	8	U	2	4	7	4,000	Р	S	0	1							
4	2	9	U	2	4	8	4,000	Р	S	0	1							

				<u>s of H</u> EPA H			Wastes (Con B. Estimated	<i>tinued. Use the</i> C. Unit of	Addi	tional	Shee	t(s) a	s nec	essar		bages ESSE	
	Line umb				e No.		Annual Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En			(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Technie	cal Ar	ea 54,	Area	L (Co	ontinu	ed)			
4	3	0	U	2	4	9	4,000	Р	S	0	1						
4	3	1	U	2	7	1	4,000	Р	S	0	1						
4	3	2	U	2	7	8	4,000	Р	S	0	1						
4	3	3	U	2	7	9	4,000	Р	S	0	1						
4	3	4	U	2	8	0	4,000	Р	S	0	1						
4	3	5	U	3	2	8	4,000	Р	S	0	1						
4	3	6	U	3	5	3	4,000	Р	S	0	1						
4	3	7	U	3	5	9	4,000	Р	S	0	1						
4	3	8	U	3	6	4	4,000	Р	S	0	1						
4	3	9	U	3	6	7	4,000	Р	S	0	1						
4	4	0	U	3	7	2	4,000	Р	S	0	1						
4	4	1	U	3	7	3	4,000	Р	S	0	1						
4	4	2	U	3	8	7	4,000	Р	S	0	1						
4	4	3	U	3	8	9	4,000	Р	S	0	1						
4	4	4	U	3	9	4	4,000	Р	S	0	1						
4	4	5	U	3	9	5	4,000	Р	S	0	1						
4	4	6	U	4	0	4	4,000	Р	S	0	1						
4	4	7	U	4	0	9	4,000	Р	S	0	1						
4	4	8	U	4	1	0	4,000	Р	S	0	1						
4	4	9	U	4	1	1	4,000	Р	S	0	1						
									1								
									1								

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9.						B. Estimated	ntinued. Use the									ESSE	
	ine nber		EPA H Wast Enter	e No.		Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	S (En				2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1)
				Тес	hnica	al Area 54, Ma	aterial Disposal	Area	L (Im	pound	dment	s B a	nd D/S	Shafts	s 1, 13	8-17, a	nd 19-34) ^{a,b}
	1	D	0	0	1	82,000	Р	D	8	0							
	2	D	0	0	2	17,200	Р	D	8	0							
	3	D	0	0	3	750	Р	D	8	0							
	4	D	0	0	4	1,700	Р	D	8	0							
	5	D	0	0	6	650	Р	D	8	0							
	6	D	0	0	7	1,000	Р	D	8	0							
	7	D	0	0	8	1,250	Р	D	8	0							
	8	D	0	0	9	2,200	Р	D	8	0							
	9	D	0	1	1	100	Р	D	8	0							
1	0	D	0	1	6	600	Р	D	8	0							
1	1	F	0	0	2	1,400	Р	D	8	0							
1	2	Р	0	1	5	4,000	Р	D	8	0							
1	3	Р	0	8	7	15	Р	D	8	0							
1	4	U	0	0	2	5,000	Р	D	8	0							
1	5	U	0	1	9	200	Р	D	8	0							
1	6	U	0	6	9	500	Р	D	8	0							
1	7	U	0	8	0	2,000	Р	D	8	0							
1	8	U	1	2	2	550	Р	D	8	0							
1	9	U	1	5	1	35	Р	D	8	0							
2	0	U	1	5	4	550	Р	D	8	0							
2	1	U	1	5	9	300	Р	D	8	0							
2	2	U	1	6	1	500	Р	D	8	0							
2	3	U	1	6	5	140	Р	D	8	0							
2	4	U	2	2	0	620	Р	D	8	0							
2	5	U	2	2	6	10,000	Р	D	8	0							
2	6	U	2	2	8	4,400	Р	D	8	0							
2	7	U	2	3	9	345	Р	D	8	0							
2	8	1															
2	9																
3	0																
3	1	1										<u> </u>	<u> </u>				
3	2																
3	3																
3	4																
3	5																
3	6																
3	7																
3	8																
3	9								<u> </u>								

^a Based on historical data from waste operations personnel.

^b To be closed in accordance with Code of Federal Regulations (CFR), Title 40, Part 265, Subpart G. Permitted status is not requested.

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	Descri		EPA H			B. Estimated	C. Unit of							D. F	ROC	ESSE	S
	ine mber	(Wast Enter			Annual Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En	ter co	de)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1)
							1	Techn	ical A	rea 54	1, Area	a G					
	1	D	0	0	1	330,000	Р	S	0	1							
	2	D	0	0	2	395,000	Р	S	0	1							
	3	D	0	0	3	185,000	Р	S	0	1							
	4	D	0	0	4	2,525,000	Р	S	0	1							
	5	D	0	0	5	82,000	Р	S	0	1							
	6	D	0	0	6	515,000	Р	S	0	1							
	7	D	0	0	7	3,775,000	Р	S	0	1							
	8	D	0	0	8	5,400,000	Р	S	0	1							
	9	D	0	0	9	100,000	Р	S	0	1							
1	0	D	0	1	0	45,000	Р	S	0	1							
1	1	D	0	1	1	2,540,000	Р	S	0	1							
1	2	D	0	1	2	18,000	Р	S	0	1							
1	3	D	0	1	3	4,000	Р	S	0	1							
1	4	D	0	1	4	4,000	Р	s	0	1							
1	5	D	0	1	5	7,000	Р	s	0	1							
1	6	D	0	1	6	4,000	Р	S	0	1							
1	7	D	0	1	7	4,000	Р	S	0	1							
1	8	D	0	1	8	30,000	Р	S	0	1						1	
1	9	D	0	1	9	25,000	Р	S	0	1							
2	0	D	0	2	0	30,000	Р	S	0	1						1	
2	1	D	0	2	1	15,000	Р	S	0	1							
2	2	D	0	2	2	33,000	Р	S	0	1						1	
2	3	D	0	2	3	4,000	Р	S	0	1						1	
2	4	D	0	2	4	4,000	Р	S	0	1						1	
2	5	D	0	2	5	4,000	Р	S	0	1							
2	6	D	0	2	6	4,000	Р	S	0	1							
2	7	D	0	2	7	22,000	Р	S	0	1							
2	8	D	0	2	8	40,000	Р	S	0	1							
2	9	D	0	2	9	7,000	Р	s	0	1							
3	0	D	0	3	0	30,000	Р	S	0	1							
3	1	D	0	3	1	22,000	Р	S	0	1							
3	2	D	0	3	2	29,000	Р	s	0	1							
3	3	D	0	3	3	29,000	Р	S	0	1							
3	4	D	0	3	4	29,000	Р	S	0	1							
3	5	D	0	3	5	30,000	Р	S	0	1							
3	6	D	0	3	6	19,000	Р	S	0	1							
3	7	D	0	3	7	7,000	Р	S	0	1							
3	8	D	0	3	8	14,000	P	S	0	1							
3	9	D	0	3	9	20,000	P	s	0	1							

	Descr					D. Datimated								ים	PROC	ESSE	=s
	ne nber	1	PA H Wast Enter	e No			C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er			,2002	(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
							Technica	I Area	a 54, <i>I</i>	Area (G (Co	ntinu	ed)				
4	0	D	0	4	0	25,000	Р	S	0	1							
4	1	D	0	4	1	17,000	Р	S	0	1							
4	2	D	0	4	2	22,000	Р	S	0	1							
4	3	D	0	4	3	25,000	Р	S	0	1							
4	4	F	0	0	1	6,410,000	Р	S	0	1							
4	5	F	0	0	2	3,450,000	Р	S	0	1							
4	6	F	0	0	3	2,850,000	Р	S	0	1							
4	7	F	0	0	4	35,000	Р	S	0	1							
4	8	F	0	0	5	3,250,000	Р	S	0	1							
4	9	F	0	0	6	7,000	Р	S	0	1					1		
5	0	F	0	0	7	18,000	Р	S	0	1							
5	1	F	0	0	8	7,000	Р	S	0	1							
5	2	F	0	0	9	8,000	Р	S	0	1							
5	3	F	0	1	0	4,000	Р	S	0	1							
5	4	F	0	1	1	4,000	Р	S	0	1							
5	5	F	0	1	2	4,000	Р	S	0	1							
5	6	F	0	1	9	4,000	Р	S	0	1							
5	7	F	0	2	0	4,000	Р	S	0	1							
5	8	F	0	2	1	4,000	Р	S	0	1							
5	9	F	0	2	2	4,000	Р	S	0	1							
6	0	F	0	2	3	4,000	Р	S	0	1							
6	1	F	0	2	4	4,000	Р	S	0	1							
6	2	F	0	2	5	4,000	Р	S	0	1							
6	3	F	0	2	6	4,000	Р	S	0	1							
6	4	F	0	2	7	4,000	Р	S	0	1							
6	5	F	0	2	8	4,000	Р	S	0	1							
6	6	F	0	3	2	4,000	Р	S	0	1							
6	7	F	0	3	4	4,000	Р	S	0	1							
6	8	F	0	3	5	4,000	Р	S	0	1							
6	9	F	0	3	7	4,000	Р	S	0	1							
7	0	F	0	3	8	4,000	Р	S	0	1							
7	1	F	0	3	9	4,000	Р	S	0	1							
7	2	к	0	4	4	22,000	Р	S	0	1							
7	3	к	0	4	5	4,000	Р	S	0	1							
7	4	к	0	4	6	4,000	Р	S	0	1							
7	5	к	0	4	7	4,000	Р	S	0	1							
7	6	к	0	8	4	500	Р	S	0	1							
7	7	к	1	0	1	500	Р	S	0	1					1		
7	8	к	1	0	2	500	Р	S	0	1							

9.	Descr	iptic						nued. Use the A	dditi	onal S	Sheet	(s) as	nece	ssary			
Line	e Numb	ber		Wast	lazaro te No. r code		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er	PROC	ESSE	:S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Technica	I Area	a 54, A	Area G	G (Coi	ntinue	ed)			
	7	9	Ρ	0	0	1	4,000	Р	S	0	1						
	8	0	Ρ	0	0	2	4,000	Р	s	0	1						
	8	1	Ρ	0	0	3	4,100	Р	S	0	1						
	8	2	Ρ	0	0	4	4,000	Р	S	0	1						
	8	3	Ρ	0	0	5	4,000	Р	S	0	1						
	8	4	Ρ	0	0	6	4,000	Р	S	0	1						
	8	5	Ρ	0	0	7	4,000	Р	S	0	1						
	8	6	Ρ	0	0	8	4,000	Р	S	0	1						
	8	7	Р	0	0	9	4,000	Р	S	0	1		1	1			
	8	8	Ρ	0	1	0	4,000	Р	S	0	1						
	8	9	Ρ	0	1	1	4,000	Р	S	0	1						
	9	0	Ρ	0	1	2	4,100	Р	S	0	1						
	9	1	Ρ	0	1	3	4,000	Р	S	0	1						
	9	2	Ρ	0	1	4	4,000	Р	S	0	1						
	9	3	Ρ	0	1	5	4,100	Р	S	0	1						
	9	4	Ρ	0	1	6	4,000	Р	S	0	1						
	9	5	Ρ	0	1	7	4,000	Р	S	0	1						
	9	6	Ρ	0	1	8	4,000	Р	S	0	1						
	9	7	Ρ	0	2	0	4,000	Р	S	0	1						
	9	8	Ρ	0	2	1	4,000	Р	S	0	1						
	9	9	Ρ	0	2	2	4,000	Р	S	0	1						
1	0	0	Ρ	0	2	3	4,000	Р	S	0	1						
1	0	1	Ρ	0	2	4	4,000	Р	S	0	1						
1	0	2	Ρ	0	2	6	4,000	Р	S	0	1						
1	0	3	Ρ	0	2	7	4,000	Р	S	0	1						
1	0	4	Ρ	0	2	8	4,000	Р	S	0	1						
1	0	5	Ρ	0	2	9	4,100	Р	S	0	1						
1	0	6	Р	0	3	0	4,100	Р	S	0	1						
1	0	7	Ρ	0	3	1	4,100	Р	S	0	1						
1	0	8	Р	0	3	3	4,000	Р	S	0	1						
1	0	9	Ρ	0	3	4	4,000	Р	S	0	1						
1	1	0	Р	0	3	6	4,000	Р	S	0	1		1	1			
1	1	1	Ρ	0	3	7	4,000	Р	S	0	1						
1	1	2	Р	0	3	8	4,100	Р	S	0	1						
1	1	3	Ρ	0	3	9	4,000	Р	S	0	1			1	1	1	
1	1	4	Р	0	4	0	4,000	Р	S	0	1		1	1			
1	1	5	Ρ	0	4	1	4,000	Р	S	0	1						
1	1	6	Р	0	4	2	4,000	Р	S	0	1						
1	1	7	Р	0	4	3	4,000	Р	S	0	1						

ſ

9.	De	scrip					Wastes (Cor B. Estimated	ntinued. Use the	Add	itiona	l Shee	et(s) a	s nec	essar				
	Line umb			EPA H Wast Enter	e No.		Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En		PROC	E99E	5 (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
							1	Technie	cal Ar	ea 54	, Area	G (Co	ontinu	ued)				
1	1	8	Р	0	4	4	4,000	Р	S	0	1							
1	1	9	Р	0	4	5	4,000	Р	s	0	1							
1	2	0	Р	0	4	6	4,000	Р	S	0	1							
1	2	1	Р	0	4	7	4,000	Р	s	0	1							
1	2	2	Р	0	4	8	4,000	Р	s	0	1							
1	2	3	Р	0	4	9	4,000	Р	S	0	1							
1	2	4	Р	0	5	0	4,000	Р	S	0	1							
1	2	5	Р	0	5	1	4,000	Р	S	0	1							
1	2	6	Р	0	5	4	4,000	Р	S	0	1							
1	2	7	Р	0	5	6	4,100	Р	S	0	1							
1	2	8	Р	0	5	7	4,000	Р	S	0	1	1			1	1		
1	2	9	Р	0	5	8	4,000	Р	S	0	1							
1	3	0	Р	0	5	9	4,000	Р	S	0	1							
1	3	1	Р	0	6	0	4,000	Р	S	0	1							
1	3	2	Р	0	6	2	4,000	Р	S	0	1							
1	3	3	Р	0	6	3	4,100	Р	S	0	1							
1	3	4	Р	0	6	4	4,000	Р	S	0	1							
1	3	5	Р	0	6	5	4,000	Р	S	0	1							
1	3	6	Р	0	6	6	4,000	Р	S	0	1							
1	3	7	Р	0	6	7	4,000	Р	S	0	1							
1	3	8	Р	0	6	8	4,100	Р	S	0	1							
1	3	9	Р	0	6	9	4,000	Р	S	0	1							
1	4	0	Р	0	7	0	4,000	Р	S	0	1							
1	4	1	Р	0	7	1	4,000	Р	S	0	1							
1	4	2	Р	0	7	2	4,000	Р	S	0	1							
1	4	3	Р	0	7	3	4,100	Р	S	0	1							
1	4	4	Р	0	7	4	4,000	Р	S	0	1	1			1	1		
1	4	5	Р	0	7	5	4,000	Р	S	0	1	1			1	1		
1	4	6	Р	0	7	6	4,000	Р	S	0	1	1			1	1		
1	4	7	Р	0	7	7	4,000	Р	S	0	1	1			1	1		
1	4	8	Р	0	7	8	4,000	Р	S	0	1				1			
1	4	9	Р	0	8	1	4,000	Р	S	0	1							
1	5	0	Р	0	8	2	4,000	Р	S	0	1				1			
1	5	1	Р	0	8	4	4,000	Р	S	0	1	1			1	1		
1	5	2	Р	0	8	5	4,000	Р	S	0	1				1			
1	5	3	Р	0	8	7	4,000	Р	S	0	1	1			1	1		
1	5	4	Р	0	8	8	4,000	Р	S	0	1					1		
1	5	5	Р	0	8	9	4,000	Р	S	0	1							
1	5	6	Р	0	9	2	4,000	Р	s	0	1							

9.	De	scrip						ntinued. Use the	Add	itiona	Shee	et(s) a	s nec	essar			
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er	PROC	ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Technie	cal Ar	ea 54,	Area	G (Co	ontinu	ued)			
1	5	7	Р	0	9	3	4,000	Р	S	0	1						
1	5	8	Р	0	9	4	4,000	Р	S	0	1						
1	5	9	Р	0	9	5	4,100	Р	S	0	1						
1	6	0	Р	0	9	6	4,100	Р	S	0	1						
1	6	1	Р	0	9	7	4,000	Р	S	0	1						
1	6	2	Р	0	9	8	4,100	Р	S	0	1						
1	6	3	Р	0	9	9	4,000	Р	S	0	1						
1	6	4	Ρ	1	0	1	4,000	Р	S	0	1						
1	6	5	Р	1	0	2	4,000	Р	S	0	1						
1	6	6	Р	1	0	3	4,000	Р	S	0	1						
1	6	7	Ρ	1	0	4	4,000	Р	S	0	1		_				
1	6	8	Ρ	1	0	5	4,000	Р	S	0	1						
1	6	9	Ρ	1	0	6	4,100	Р	S	0	1						
1	7	0	Ρ	1	0	8	4,000	Р	S	0	1						
1	7	1	Ρ	1	0	9	4,000	Р	S	0	1						
1	7	2	Ρ	1	1	0	4,000	Р	S	0	1						
1	7	3	Ρ	1	1	1	4,000	Р	S	0	1						
1	7	4	Ρ	1	1	2	4,000	Р	S	0	1						
1	7	5	Ρ	1	1	3	4,000	Р	S	0	1						
1	7	6	Ρ	1	1	4	4,000	Р	S	0	1						
1	7	7	Ρ	1	1	5	4,000	Р	S	0	1						
1	7	8	Ρ	1	1	6	4,000	Р	S	0	1						
1	7	9	Ρ	1	1	8	4,000	Р	S	0	1						
1	8	0	Ρ	1	1	9	4,000	Р	S	0	1						
1	8	1	Ρ	1	2	0	4,100	Р	S	0	1						
1	8	2	Ρ	1	2	1	4,000	Р	S	0	1						
1	8	3	Ρ	1	2	2	4,000	Р	S	0	1						
1	8	4	Ρ	1	2	3	4,000	Р	S	0	1						
1	8	5	Ρ	1	2	7	4,000	Р	S	0	1						
1	8	6	Ρ	1	2	8	4,000	Р	S	0	1						
1	8	7	Ρ	1	8	5	4,000	Р	S	0	1						
1	8	8	Ρ	1	8	8	4,000	Р	S	0	1						
1	8	9	Ρ	1	8	9	4,000	Р	S	0	1						
1	9	0	Ρ	1	9	0	4,000	Р	S	0	1						
1	9	1	Ρ	1	9	1	4,000	Р	S	0	1						
1	9	2	Ρ	1	9	2	4,000	Р	S	0	1						
1	9	3	Ρ	1	9	4	4,000	Р	S	0	1						
1	9	4	Ρ	1	9	6	4,000	Р	S	0	1						
1	9	5	Ρ	1	9	7	4,000	Р	S	0	1						

9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar	y; nu	mber	pages	s as 5 a, etc.)
	Line		A. E	EPA H			B. Estimated Annual	0. 0111 01							D. F	PROC	ESSE	s
	umb		(Wast Enter			Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En	iter co	de)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Technic	al Ar	ea 54,	Area	G (Co	ontinu	ied)				•
1	9	6	Ρ	1	9	8	4,000	Р	S	0	1							
1	9	7	Ρ	1	9	9	4,000	Р	S	0	1							
1	9	8	Ρ	2	0	1	4,000	Р	S	0	1							
1	9	9	Ρ	2	0	2	4,000	Р	S	0	1							
2	0	0	Ρ	2	0	3	4,000	Р	S	0	1							
2	0	1	Ρ	2	0	4	4,000	Р	S	0	1							
2	0	2	Ρ	2	0	5	4,000	Р	S	0	1							
2	0	3	U	0	0	1	4,100	Р	S	0	1							
2	0	4	U	0	0	2	7,100	Р	S	0	1							
2	0	5	U	0	0	3	4,100	Р	S	0	1							
2	0	6	U	0	0	4	4,000	Р	S	0	1							
2	0	7	U	0	0	5	4,000	Р	S	0	1							
2	0	8	U	0	0	6	4,000	Р	S	0	1							
2	0	9	U	0	0	7	4,000	Р	S	0	1							
2	1	0	U	0	0	8	4,000	Р	S	0	1							
2	1	1	U	0	0	9	4,000	Р	S	0	1							
2	1	2	U	0	1	0	4,000	Р	S	0	1							
2	1	3	U	0	1	1	4,000	Р	S	0	1							
2	1	4	U	0	1	2	4,100	Р	S	0	1							
2	1	5	U	0	1	4	4,000	Р	S	0	1							
2	1	6	U	0	1	5	4,000	Р	S	0	1							
2	1	7	U	0	1	6	4,000	Р	S	0	1							
2	1	8	U	0	1	7	4,000	Р	S	0	1							
2	1	9	U	0	1	8	4,000	Р	S	0	1							
2	2	0	U	0	1	9	4,100	Р	S	0	1							
2	2	1	U	0	2	0	4,000	Р	S	0	1							
2	2	2	U	0	2	1	4,000	Р	S	0	1							
2	2	3	U	0	2	2	4,100	Р	S	0	1							
2	2	4	U	0	2	3	4,000	Р	S	0	1							
2	2	5	U	0	2	4	4,000	Р	S	0	1							
2	2	6	U	0	2	5	4,000	Р	S	0	1							
2	2	7	U	0	2	6	4,000	Р	S	0	1							
2	2	8	U	0	2	7	4,000	Р	S	0	1							
2	2	9	U	0	2	8	4,000	Р	S	0	1							
2	3	0	U	0	2	9	4,100	Р	S	0	1	1				1	1	
2	3	1	U	0	3	0	4,000	Р	S	0	1			1		1		
2	3	2	U	0	3	1	4,100	Р	S	0	1						1	
2	3	3	U	0	3	2	4,000	Р	S	0	1						1	
2	3	4	U	0	3	3	4,000	Р	S	0	1					1	1	

9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar	y; nu	mber	pages	s as 5 a, etc.)
	Line		A. 6	EPA H			B. Estimated Annual	0. 0111 01							D. F	PROC	ESSE	S
	umb		(Wast Enter			Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En	ter co	de)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Technic	cal Ar	ea 54,	Area	G (Co	ontinu	ied)				•
2	3	5	U	0	3	4	4,000	Р	S	0	1							
2	3	6	U	0	3	5	4,000	Р	S	0	1							
2	3	7	U	0	3	6	4,000	Р	S	0	1							
2	3	8	U	0	3	7	4,100	Р	S	0	1							
2	3	9	U	0	3	8	4,000	Р	S	0	1							
2	4	0	U	0	3	9	4,000	Р	S	0	1							
2	4	1	U	0	4	1	4,000	Р	S	0	1							
2	4	2	U	0	4	2	4,000	Р	S	0	1							
2	4	3	U	0	4	3	4,000	Р	S	0	1							
2	4	4	U	0	4	4	4,100	Р	S	0	1							
2	4	5	U	0	4	5	4,100	Р	S	0	1							
2	4	6	U	0	4	6	4,000	Р	S	0	1							
2	4	7	U	0	4	7	4,000	Р	S	0	1							
2	4	8	U	0	4	8	4,000	Р	S	0	1							
2	4	9	U	0	4	9	4,000	Р	S	0	1							
2	5	0	U	0	5	0	4,000	Р	S	0	1							
2	5	1	U	0	5	1	4,000	Р	S	0	1							
2	5	2	U	0	5	2	4,100	Р	S	0	1							
2	5	3	U	0	5	3	4,000	Р	S	0	1							
2	5	4	U	0	5	5	4,000	Р	S	0	1							
2	5	5	U	0	5	6	4,100	Р	S	0	1							
2	5	6	U	0	5	7	4,100	Р	S	0	1							
2	5	7	U	0	5	8	4,000	Р	S	0	1							
2	5	8	U	0	5	9	4,000	Р	S	0	1							
2	5	9	U	0	6	0	4,000	Р	S	0	1							
2	6	0	U	0	6	1	4,000	Р	S	0	1							
2	6	1	U	0	6	2	4,000	Р	S	0	1							
2	6	2	U	0	6	3	4,000	Р	S	0	1							
2	6	3	U	0	6	4	4,000	Р	S	0	1							
2	6	4	U	0	6	6	4,000	Р	S	0	1							
2	6	5	U	0	6	7	4,000	Р	S	0	1							
2	6	6	U	0	6	8	4,000	Р	S	0	1							
2	6	7	U	0	6	9	4,000	Р	S	0	1							
2	6	8	U	0	7	0	4,000	Р	S	0	1							
2	6	9	U	0	7	1	4,000	Р	S	0	1							
2	7	0	U	0	7	2	4,000	Р	S	0	1							
2	7	1	U	0	7	3	4,000	Р	S	0	1							
2	7	2	U	0	7	4	4,000	Р	S	0	1	1				1	1	
2	7	3	U	0	7	5	4,100	Р	s	0	1	1				1	1	

9.	Des	scrip	otions	s of H	azar	dous		tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar			
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En		ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Technic	al Ar	ea 54,	Area	G (Co	ontinu	ued)			
2	7	4	U	0	7	6	4,000	Р	S	0	1						
2	7	5	U	0	7	7	4,100	Р	s	0	1						
2	7	6	U	0	7	8	4,000	Р	s	0	1						
2	7	7	U	0	7	9	4,000	Р	s	0	1						
2	7	8	U	0	8	0	12,000	Р	s	0	1						
2	7	9	U	0	8	1	4,000	Р	s	0	1						
2	8	0	U	0	8	2	4,000	Р	s	0	1						
2	8	1	U	0	8	3	4,000	Р	s	0	1						
2	8	2	U	0	8	4	4,000	Р	S	0	1						
2	8	3	U	0	8	5	4,000	Р	S	0	1						
2	8	4	U	0	8	6	4,000	Р	S	0	1						
2	8	5	U	0	8	7	4,000	Р	S	0	1						
2	8	6	U	0	8	8	4,000	Р	S	0	1						
2	8	7	U	0	8	9	4,000	Р	S	0	1						
2	8	8	U	0	9	0	4,000	Р	S	0	1						
2	8	9	U	0	9	1	4,000	Р	S	0	1						
2	9	0	U	0	9	2	4,000	Р	S	0	1						
2	9	1	U	0	9	3	4,000	Р	S	0	1						
2	9	2	U	0	9	4	4,000	Р	S	0	1						
2	9	3	U	0	9	5	4,000	Р	S	0	1						
2	9	4	U	0	9	6	4,000	Р	S	0	1						
2	9	5	U	0	9	7	4,000	Р	S	0	1						
2	9	6	U	0	9	8	4,000	Р	S	0	1						
2	9	7	U	0	9	9	4,000	Р	S	0	1						
2	9	8	U	1	0	1	4,000	Р	S	0	1						
2	9	9	U	1	0	2	4,000	Р	S	0	1						
3	0	0	U	1	0	3	4,000	Р	S	0	1						
3	0	1	U	1	0	5	4,000	Р	S	0	1						
3	0	2	U	1	0	6	4,000	Р	S	0	1						
3	0	3	U	1	0	7	4,000	Р	S	0	1						
3	0	4	U	1	0	8	4,100	Р	S	0	1						
3	0	5	U	1	0	9	4,000	Р	S	0	1						
3	0	6	U	1	1	0	4,000	Р	S	0	1						
3	0	7	U	1	1	1	4,000	Р	S	0	1						
3	0	8	U	1	1	2	4,100	Р	S	0	1						
3	0	9	U	1	1	3	4,000	Р	S	0	1						
3	1	0	U	1	1	4	4,000	Р	S	0	1						
3	1	1	U	1	1	5	4,100	Р	S	0	1						
3	1	2	U	1	1	6	4,000	Р	S	0	1						

9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar				
	Line		A. 6	EPA H			B. Estimated Annual	0. 0111 01							D. F	PROC	ESSE	S
	umb		(Wast Enter			Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En	ter co	de)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Technic	al Ar	ea 54,	Area	G (Co	ontinu	ied)				•
3	1	3	U	1	1	7	4,100	Р	S	0	1							
3	1	4	U	1	1	8	4,000	Р	S	0	1							
3	1	5	U	1	1	9	4,000	Р	S	0	1							
3	1	6	U	1	2	0	4,000	Р	S	0	1							
3	1	7	U	1	2	1	4,100	Р	S	0	1							
3	1	8	U	1	2	2	7,100	Р	S	0	1							
3	1	9	U	1	2	3	4,100	Р	S	0	1							
3	2	0	U	1	2	4	4,000	Р	S	0	1							
3	2	1	U	1	2	5	4,000	Р	S	0	1							
3	2	2	U	1	2	6	4,000	Р	S	0	1							
3	2	3	U	1	2	7	4,000	Р	S	0	1							
3	2	4	U	1	2	8	4,000	Р	S	0	1							
3	2	5	U	1	2	9	4,000	Р	S	0	1							
3	2	6	U	1	3	0	4,000	Р	S	0	1							
3	2	7	U	1	3	1	4,100	Р	S	0	1							
3	2	8	U	1	3	2	4,000	Р	S	0	1							
3	2	9	U	1	3	3	4,100	Р	S	0	1							
3	3	0	U	1	3	4	12,100	Р	S	0	1							
3	3	1	U	1	3	5	4,100	Р	S	0	1							
3	3	2	U	1	3	6	4,000	Р	S	0	1							
3	3	3	U	1	3	7	4,000	Р	S	0	1							
3	3	4	U	1	3	8	4,000	Р	S	0	1							
3	3	5	U	1	4	0	4,100	Р	S	0	1							
3	3	6	U	1	4	1	4,000	Р	S	0	1							
3	3	7	U	1	4	2	4,000	Р	S	0	1							
3	3	8	U	1	4	3	4,000	Р	S	0	1							
3	3	9	U	1	4	4	4,100	Р	S	0	1							
3	4	0	U	1	4	5	4,000	Р	S	0	1							
3	4	1	U	1	4	6	4,000	Р	S	0	1							
3	4	2	U	1	4	7	4,000	Р	S	0	1							
3	4	3	U	1	4	8	4,000	Р	S	0	1							
3	4	4	U	1	4	9	4,000	Р	S	0	1							
3	4	5	U	1	5	0	4,000	Р	S	0	1							
3	4	6	U	1	5	1	7,100	Р	S	0	1							
3	4	7	U	1	5	2	4,000	Р	S	0	1							
3	4	8	U	1	5	3	4,000	Р	S	0	1							
3	4	9	U	1	5	4	4,100	Р	S	0	1							
3	5	0	U	1	5	5	4,000	Р	S	0	1							
3	5	1	U	1	5	6	4,000	Р	S	0	1							

9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	itional	Shee	et(s) a	s nec	essar	y; nu	mber	pages	s as 5 a, etc.)
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En			ESSE	(2) PROCESS DESCRIPTION
						,	Waste	· ,				0.0						(If a code is not entered in 9.D(1))
	-			4	-		4 000	Technic		1	1	G (CC	ontinu	iea)	1	1	1	
3	5	2	U	1	5	7	4,000	P	S	0	1						-	
3	5	3	U	1	5	8	4,000	P	S	0	1						-	
3	5	4	U	1	5	9	4,100	P	S	0	1						-	
3	5	5	U	1	6	0	4,100	P P	S	0	1						-	
3	5	6	U	1	6	1	4,100		S	0	1							
3	5	7	U	1	6	2	4,000	P	S	0	1							
3	5	8	U	1	6	3	4,000	P	S	0	1							
3	5	9	U	1	6	4	4,000	P	S	0	1							
3	6	0	U	1	6	5	4,100	P	S	0	1							
3	6	1	U	1	6	6	4,000	P P	S	0	1							
3	6	2	U	1	6	7	4,000		S	0	1							
3	6	3	U	1	6	8	4,000	P P	S	0	1						-	
3	6	4	U	1	6	9	4,100		S	0	1							
3	6	5	U	1	7	0	4,000	P	S	0	1							
3	6	6 7	U U	1	7 7	1	4,000	P P	S S	0	1							
3	6			1		2	4,000	P P		0								
3	6	8	U	1	7	3	4,000	P P	S S	0	1							
3	6 7	9 0	U U	1	7 7	4	4,000 4,000	P P	S	0	1							
	7	1	U	1	7	6 7		P P	S	0	1							
3	7	2	U	1	7	8	4,000	P P	S	-								
3	7	2	U	1	7	8 9	4,000 4,000	P P	S	0	1							
3	7	3 4	U	1	8	9	4,000	P P	S	0	1							
3 3	7	4 5	U	1	о 8	1	4,000	P P	S	0	1							
3	7	6	U	1	8	2	4,000	P	S	0	1						-	
3	7	0 7	U	1	о 8	2	4,000	P P	S	0	1							
3	7	8	U	1	8	4	4,000	P	S	0	1							
3	7	9	U	1	8	4 5	4,000	P	S	0	1						-	
3	8	0	U	1	8	6	4,000	P	S	0	1							
3	о 8	1	U	1	8	7	4,000	P P	S	0	1							
3	8	2	U	1	о 8	8	4,000	P	S	0	1							
3	8	2	U	1	8	9	4,100	P	S	0	1							
3	8	4	U	1	0 9	9	4,000	P	S	0	1							
3	8	4 5	U	1	9	1	4,100	P	S	0	1							
3	8	6	U	1	9	2	4,000	P P	S	0	1							
3	8	7	U	1	9	2	4,000	P	S	0	1							
3 3	о 8	7 8	U	1	9	3	4,000	P P	S	0	1							
3	о 8	о 9	U	1	9	4 6	4,000	P P	S S	0	1							
								P P	S									
3	9	0	U	1	9	7	4,000	Р	5	0	1							

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9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar				
	Line		A. E	EPA H			B. Estimated Annual	0. 0111 01							D. F	PROC	ESSE	S
	umb		(Wast Enter			Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En	ter co	de)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Technic	al Are	ea 54,	Area	G (Co	ontinu	led)				
3	9	1	U	2	0	0	4,000	Р	S	0	1							
3	9	2	U	2	0	1	4,000	Р	S	0	1							
3	9	3	U	2	0	2	4,000	Р	S	0	1							
3	9	4	U	2	0	3	4,000	Р	S	0	1							
3	9	5	U	2	0	4	4,100	Р	S	0	1							
3	9	6	U	2	0	5	4,000	Р	S	0	1							
3	9	7	U	2	0	6	4,000	Р	S	0	1							
3	9	8	U	2	0	7	4,000	Р	S	0	1							
3	9	9	U	2	0	8	4,000	Р	S	0	1							
4	0	0	U	2	0	9	4,000	Р	S	0	1							
4	0	1	U	2	1	0	4,100	Р	S	0	1							
4	0	2	U	2	1	1	4,100	Р	S	0	1							
4	0	3	U	2	1	3	4,100	Р	S	0	1							
4	0	4	U	2	1	4	4,000	Р	S	0	1							
4	0	5	U	2	1	5	4,000	Р	S	0	1							
4	0	6	U	2	1	6	4,100	Р	S	0	1							
4	0	7	U	2	1	7	4,000	Р	S	0	1							
4	0	8	U	2	1	8	4,100	Р	S	0	1							
4	0	9	U	2	1	9	4,100	Р	S	0	1							
4	1	0	U	2	2	0	7,100	Р	S	0	1							
4	1	1	U	2	2	1	4,000	Р	S	0	1							
4	1	2	U	2	2	2	4,000	Р	S	0	1							
4	1	3	U	2	2	3	4,000	Р	S	0	1							
4	1	4	U	2	2	5	4,100	Р	S	0	1							
4	1	5	U	2	2	6	7,100	Р	S	0	1							
4	1	6	U	2	2	7	4,100	Р	S	0	1							
4	1	7	U	2	2	8	7,100	Р	S	0	1							
4	1	8	U	2	3	4	4,000	Р	S	0	1							
4	1	9	U	2	3	5	4,000	Р	S	0	1							
4	2	0	U	2	3	6	4,000	Р	S	0	1							
4	2	1	U	2	3	7	4,000	Р	S	0	1							
4	2	2	U	2	3	8	4,000	Р	S	0	1							
4	2	3	U	2	3	9	7,100	Р	S	0	1							
4	2	4	U	2	4	0	4,000	Р	S	0	1							
4	2	5	U	2	4	3	4,000	Р	S	0	1							
4	2	6	U	2	4	4	4,000	Р	S	0	1							
4	2	7	U	2	4	6	4,100	Р	S	0	1							
4	2	8	U	2	4	7	4,000	Р	S	0	1							
4	2	9	U	2	4	8	4,000	Р	S	0	1							

9.	Des	scrip		s of H EPA H			Wastes (Con B. Estimated	<i>tinued. Use the</i> C. Unit of	Addi	tional	Shee	et(s) a	s nec	essar		pages ESSE	
	Line umbe			EPA F Wast Enter	e No.		Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En			(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Technic	al Ar	ea 54,	Area	G (Co	ontinu	ied)			•
4	3	0	U	2	4	9	4,000	Р	S	0	1						
4	3	1	U	2	7	1	4,000	Р	S	0	1						
4	3	2	U	2	7	8	4,000	Р	S	0	1						
4	3	3	U	2	7	9	4,000	Р	S	0	1						
4	3	4	U	2	8	0	4,000	Р	S	0	1						
4	3	5	U	3	2	8	4,000	Р	S	0	1						
4	3	6	U	3	5	3	4,000	Р	S	0	1						
4	3	7	U	3	5	9	4,000	Р	S	0	1						
4	3	8	U	3	6	4	4,000	Р	S	0	1						
4	3	9	U	3	6	7	4,000	Р	S	0	1						
4	4	0	U	3	7	2	4,000	Р	S	0	1			İ			
4	4	1	U	3	7	3	4,000	Р	S	0	1						
4	4	2	U	3	8	7	4,000	Р	S	0	1						
4	4	3	U	3	8	9	4,000	Р	S	0	1						
4	4	4	U	3	9	4	4,000	Р	S	0	1						
4	4	5	U	3	9	5	4,000	Р	S	0	1						
4	4	6	U	4	0	4	4,000	Р	S	0	1						
4	4	7	U	4	0	9	4,000	Р	S	0	1						
4	4	8	U	4	1	0	4,000	Р	S	0	1						
4	4	9	U	4	1	1	4,000	Р	S	0	1						
	<u> </u>	<u> </u>	<u> </u>														
	<u> </u>	<u> </u>	<u> </u>														
	<u> </u>	<u> </u>													<u> </u>		
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	1	<u> </u>	<u> </u>						<u> </u>	<u> </u>					<u> </u>		
	<u> </u>	<u> </u>	<u> </u>														
	<u> </u>	<u> </u>	<u> </u>						<u> </u>	<u> </u>				<u> </u>			
		1														1	

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9.	Descri					B. Estimated	ntinued. Use th	Auu	luona	Jined	54(3) a	S nec	c330/				
	ine mber		Wast	lazaro e No. code		Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	S (En			ESSE	5 (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1)
							cal Area 54, Ma	terial	Dispo	sal A	rea G	(Shaf	t 124	and F	9it 29)	a, b	(
	1	D	0	0	4	850	Р	D	8	0		(
	2	D	0	0	5	2,100	P	D	8	0							
	3	D	0	0	6	4,250	P	D	8	0							
	4	D	0	0	7	4,450	P	D	8	0							
	5	D	0	0	8	507,100	P	D	8	0							
	6	D	0	0	9	850	P	D	8	0							
	7	D	0	1	0	15	P	D	8	0							
	8	D	0	1	1	530	P	D	8	0							
	9	-						-	<u> </u>	•							
1	0	+															
1	1																
1	2																
1	3							1									
1	4																
1	5																
1	6																
1	7																
1	8																
1	9																
2	0																
2	1																
2	2																
2	3																
2	4																
2	5																
2	6																
2	7	1															
2	8							1									
2	9							1									
3	0	1													1		
3	1	1													1		
3	2	1													1		
3	3	1													1		
3	4	1													1		
3	5	1													1		
3	6																
3	7																
3	8																
3	9	1				1	1	1	1			1		1	İ		

^a Based on total estimated hazardous waste chemical inventory from the TA-54 RFI Report, Los Alamos National Laboratory, Los Alamos, New Mexico, March 2000.

^b To be closed in accordance with Code of Federal Regulations (CFR), Title 40, Part 265, Subpart G. Permitted status is not requested.

9.	20001			lazaro		B. Estimated	ntinued. Use the			. 0//80	-13) a	5 1100	55501	PROC	
	ine nber		Wast	iazaro e No. code		Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En		 (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Tech	nical /	Area 5	54, We	est			
	1	D	0	0	1	74,252	Р	s	0	1					
	2	D	0	0	2	38,448	Р	s	0	1					
	3	D	0	0	3	3,528	Р	s	0	1					
	4	D	0	0	4	24,692	Р	s	0	1					
	5	D	0	0	5	22,576	Р	s	0	1					
	6	D	0	0	6	3,627,220	Р	s	0	1					
	7	D	0	0	7	3,784,544	Р	s	0	1					
	8	D	0	0	8	8,589,208	Р	S	0	1					
	9	D	0	0	9	261,732	Р	s	0	1					
1	0	D	0	1	0	27,160	Р	S	0	1					
1	1	D	0	1	1	30,336	Р	S	0	1					
1	2	D	0	1	2	36,000	Р	s	0	1					
1	3	D	0	1	3	8,000	Р	S	0	1					
1	4	D	0	1	4	8,000	Р	S	0	1					
1	5	D	0	1	5	14,000	Р	S	0	1					
1	6	D	0	1	6	8,000	Р	S	0	1					
1	7	D	0	1	7	8,000	Р	S	0	1					
1	8	D	0	1	8	1,412	Р	S	0	1					
1	9	D	0	1	9	28,220	Р	S	0	1					
2	0	D	0	2	0	60,000	Р	S	0	1					
2	1	D	0	2	1	4,880	Р	S	0	1					
2	2	D	0	2	2	6,704	Р	S	0	1					
2	3	D	0	2	3	8,000	Р	S	0	1					
2	4	D	0	2	4	8,000	Р	S	0	1					
2	5	D	0	2	5	8,000	Р	S	0	1					
2	6	D	0	2	6	8,000	Р	S	0	1					
2	7	D	0	2	7	4,056	Р	S	0	1					
2	8	D	0	2	8	1,158,400	Р	S	0	1					
2	9	D	0	2	9	1,152,576	Р	S	0	1					
3	0	D	0	3	0	26,100	Р	S	0	1					
3	1	D	0	3	1	352	Р	S	0	1					
3	2	D	0	3	2	16,580	Р	S	0	1					
3	3	D	0	3	3	11,112	Р	S	0	1					
3	4	D	0	3	4	5,820	Р	S	0	1					
3	5	D	0	3	5	528	Р	s	0	1			1		
3	6	D	0	3	6	1,764	Р	S	0	1					
3	7	D	0	3	7	2,820	Р	S	0	1					
3	8	D	0	3	8	352	Р	S	0	1					
3	9	D	0	3	9	7,760	Р	s	0	1					

					dous	D. Datharatad	Continued. Use the A							D .	PROC	ESSE	ES
	ne nber		Wast Enter	e No		Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En				(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
							Technic	al Are	a 54,	Wes	t (Con	tinue	d)				•
4	0	D	0	4	0	17,460	Р	S	0	1							
4	1	D	0	4	1	352	Р	S	0	1							
4	2	D	0	4	2	5,644	Р	S	0	1							
4	3	D	0	4	3	2,116	Р	S	0	1							
4	4	F	0	0	1	2,225,608	Р	S	0	1							
4	5	F	0	0	2	288,012	Р	S	0	1							
4	6	F	0	0	3	137,856	Р	S	0	1							
4	7	F	0	0	4	8,640	Р	S	0	1							
4	8	F	0	0	5	1,296,844	Р	S	0	1							
4	9	F	0	0	6	14,000	Р	S	0	1							
5	0	F	0	0	7	36,000	Р	S	0	1							
5	1	F	0	0	8	14,000	Р	S	0	1							
5	2	F	0	0	9	8,000	Р	S	0	1							
5	3	F	0	1	0	8,000	Р	S	0	1							
5	4	F	0	1	1	8,000	Р	S	0	1							
5	5	F	0	1	2	8,000	Р	S	0	1							
5	6	F	0	1	9	8,000	Р	S	0	1							
5	7	F	0	2	0	8,000	Р	S	0	1							
5	8	F	0	2	1	8,000	Р	S	0	1							
5	9	F	0	2	2	8,000	Р	S	0	1							
6	0	F	0	2	3	8,000	Р	S	0	1							
6	1	F	0	2	4	8,000	Р	S	0	1							
6	2	F	0	2	5	8,000	Р	S	0	1							
6	3	F	0	2	6	8,000	Р	S	0	1							
6	4	F	0	2	7	8,000	Р	S	0	1							
6	5	F	0	2	8	8,000	Р	S	0	1							
6	6	F	0	3	2	8,000	Р	S	0	1							
6	7	F	0	3	4	8,000	Р	S	0	1							
6	8	F	0	3	5	8,000	Р	S	0	1							
6	9	F	0	3	7	8,000	Р	S	0	1							
7	0	F	0	3	8	8,000	Р	S	0	1							
7	1	F	0	3	9	8,000	Р	S	0	1							
7	2	К	0	4	4	4,000	Р	S	0	1							
7	3	К	0	4	5	8,000	Р	S	0	1							
7	4	К	0	4	6	8,000	Р	S	0	1							
7	5	К	0	4	7	8,000	Р	S	0	1							
7	6	К	0	8	4	1,000	Р	S	0	1							
7	7	К	1	0	1	1,000	Р	S	0	1							
7	8	К	1	0	2	1,000	Р	S	0	1						1	

9.			A. E	EPA H	lazar	dous	B. Estimated Annual	C. Unit Of			-					ROC	
Line	e Num	nber			te No. r code		Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er	nter co	ode)	(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1)
								Technic	al Are	a 54,	West	(Con	tinue	d)			
	7	9	Р	0	0	1	176	Р	S	0	1						
	8	0	Р	0	0	2	176	Р	S	0	1						
	8	1	Р	0	0	3	176	Р	S	0	1						
	8	2	Р	0	0	4	176	Р	S	0	1						
	8	3	Р	0	0	5	176	Р	S	0	1						
	8	4	Р	0	0	6	176	Р	S	0	1						
	8	5	Р	0	0	7	176	Р	S	0	1						
	8	6	Ρ	0	0	8	176	Р	S	0	1						
	8	7	Р	0	0	9	176	Р	S	0	1						
	8	8	Р	0	1	0	176	Р	S	0	1						
	8	9	Р	0	1	1	176	Р	S	0	1						
	9	0	Р	0	1	2	176	Р	S	0	1						
	9	1	Ρ	0	1	3	176	Р	S	0	1						
	9	2	Р	0	1	4	176	Р	S	0	1						
	9	3	Ρ	0	1	5	176	Р	S	0	1						
	9	4	Р	0	1	6	176	Р	S	0	1						
	9	5	Р	0	1	7	176	Р	S	0	1						
	9	6	Р	0	1	8	176	Р	S	0	1						
	9	7	Р	0	2	0	176	Р	S	0	1						
	9	8	Ρ	0	2	1	176	Р	S	0	1						
	9	9	Ρ	0	2	2	176	Р	S	0	1						
1	0	0	Ρ	0	2	3	176	Р	S	0	1						
1	0	1	Р	0	2	4	176	Р	S	0	1						
1	0	2	Р	0	2	6	176	Р	S	0	1						
1	0	3	Р	0	2	7	176	Р	S	0	1						
1	0	4	Р	0	2	8	176	Р	S	0	1						
1	0	5	Р	0	2	9	176	Р	S	0	1						
1	0	6	Р	0	3	0	176	Р	S	0	1						
1	0	7	Ρ	0	3	1	176	Р	S	0	1						
1	0	8	Р	0	3	3	176	Р	S	0	1						
1	0	9	Р	0	3	4	176	Р	S	0	1						
1	1	0	Р	0	3	6	176	Р	S	0	1						
1	1	1	Р	0	3	7	176	Р	S	0	1						
1	1	2	Р	0	3	8	176	Р	S	0	1						
1	1	3	Р	0	3	9	176	Р	S	0	1						
1	1	4	Р	0	4	0	176	Р	S	0	1						
1	1	5	Р	0	4	1	176	Р	S	0	1						
1	1	6	Р	0	4	2	176	Р	S	0	1						
1	1	7	Р	0	4	3	176	Р	S	0	1			1			

9.	Des	scrip					Wastes (Con B. Estimated	tinued. Use the	e Addi	tional	Shee	et(s) a	s nec	essar			
	Line umb			PA H Wast Enter	e No.		Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	S (En		ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Techn	ical A	rea 54	, Wes	st (Co	ntinue	ed)			
1	1	8	Р	0	4	4	176	Р	S	0	1						
1	1	9	Р	0	4	5	176	Р	s	0	1						
1	2	0	Р	0	4	6	176	Р	S	0	1						
1	2	1	Р	0	4	7	176	Р	s	0	1						
1	2	2	Р	0	4	8	176	Р	s	0	1						
1	2	3	Р	0	4	9	176	Р	S	0	1						
1	2	4	Р	0	5	0	176	Р	S	0	1						
1	2	5	Р	0	5	1	176	Р	S	0	1						
1	2	6	Р	0	5	4	176	Р	S	0	1						
1	2	7	Р	0	5	6	176	Р	S	0	1						
1	2	8	Ρ	0	5	7	176	Р	S	0	1						
1	2	9	Ρ	0	5	8	176	Р	s	0	1						
1	3	0	Р	0	5	9	176	Р	S	0	1						
1	3	1	Р	0	6	0	176	Р	S	0	1						
1	3	2	Р	0	6	2	176	Р	S	0	1						
1	3	3	Р	0	6	3	176	Р	S	0	1						
1	3	4	Р	0	6	4	176	Р	S	0	1						
1	3	5	Р	0	6	5	176	Р	S	0	1						
1	3	6	Р	0	6	6	176	Р	S	0	1						
1	3	7	Ρ	0	6	7	176	Р	S	0	1						
1	3	8	Ρ	0	6	8	176	Р	S	0	1						
1	3	9	Ρ	0	6	9	176	Р	S	0	1						
1	4	0	Ρ	0	7	0	176	Р	S	0	1						
1	4	1	Ρ	0	7	1	176	Р	S	0	1						
1	4	2	Ρ	0	7	2	176	Р	S	0	1						
1	4	3	Ρ	0	7	3	176	Р	S	0	1						
1	4	4	Ρ	0	7	4	176	Р	S	0	1						
1	4	5	Ρ	0	7	5	176	Р	S	0	1						
1	4	6	Ρ	0	7	6	176	Р	S	0	1						
1	4	7	Ρ	0	7	7	176	Р	S	0	1						
1	4	8	Ρ	0	7	8	176	Р	S	0	1						
1	4	9	Ρ	0	8	1	176	Р	S	0	1						
1	5	0	Ρ	0	8	2	176	Р	S	0	1						
1	5	1	Ρ	0	8	4	176	Р	S	0	1						
1	5	2	Ρ	0	8	5	176	Р	S	0	1						
1	5	3	Ρ	0	8	7	176	Р	S	0	1						
1	5	4	Ρ	0	8	8	176	Р	S	0	1						
1	5	5	Ρ	0	8	9	176	Р	S	0	1						
1	5	6	Р	0	9	2	176	Р	S	0	1						

9.	De	scrip						tinued. Use the	Add	itiona	l Shee	et(s) a	s nec	essar			
N	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er		ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
							waste	Techn		roo E	1	* (Co	ntinu	od)			(ii a code is not entered in 9.D(1))
1	5	7	Р	0	9	3	176	P	S	0	+, vve:		nunu				
1	5	8	P	0	9	3	176	P	S	0	1						
1	5	9	P	0	9	4 5	176	P	S	0	1				-		
1	6	0	P	0	9	6	176	P	s	0	1						
1	6	1	P	0	9	7	176	P	S	0	1						
1	6	2	P	0	9	8	176	P	s	0	1						
1	6	3	P	0	9	9	176	P	s	0	1						
1	6	4	P	1	0	1	176	P	S	0	1						
1	6	5	P	1	0	2	176	P	S	0	1						
1	6	6	P	1	0	3	176	P	S	0	1						
1	6	7	P	1	0	4	176	P	S	0	1			<u> </u>	-		
1	6	8	Р	1	0	5	176	Р	S	0	1						
1	6	9	Р	1	0	6	176	Р	s	0	1						
1	7	0	Р	1	0	8	176	Р	S	0	1						
1	7	1	Р	1	0	9	176	Р	S	0	1						
1	7	2	Р	1	1	0	176	Р	S	0	1						
1	7	3	Р	1	1	1	176	Р	S	0	1						
1	7	4	Р	1	1	2	176	Р	S	0	1						
1	7	5	Р	1	1	3	176	Р	S	0	1						
1	7	6	Р	1	1	4	176	Р	S	0	1						
1	7	7	Р	1	1	5	176	Р	S	0	1						
1	7	8	Ρ	1	1	6	176	Р	S	0	1						
1	7	9	Ρ	1	1	8	176	Р	S	0	1						
1	8	0	Ρ	1	1	9	176	Р	S	0	1						
1	8	1	Р	1	2	0	176	Р	S	0	1						
1	8	2	Р	1	2	1	176	Р	S	0	1						
1	8	3	Р	1	2	2	176	Р	S	0	1						
1	8	4	Р	1	2	3	176	Р	S	0	1						
1	8	5	Р	1	2	7	176	Р	S	0	1						
1	8	6	Ρ	1	2	8	176	Р	S	0	1						
1	8	7	Р	1	8	5	176	Р	S	0	1						
1	8	8	Ρ	1	8	8	176	Р	S	0	1						
1	8	9	Р	1	8	9	176	Р	S	0	1						
1	9	0	Р	1	9	0	176	Р	S	0	1						
1	9	1	Р	1	9	1	176	Р	S	0	1						
1	9	2	Р	1	9	2	176	Р	S	0	1						
1	9	3	Р	1	9	4	176	Р	S	0	1						
1	9	4	Р	1	9	6	176	Р	S	0	1						
1	9	5	Р	1	9	7	176	Р	S	0	1						

d in 9.D(1))
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9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar				
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En			ESSE	(2) PROCESS DESCRIPTION
			,	Linter	oout	•)	Waste	. ,						-		,		(If a code is not entered in 9.D(1))
				1	I .			Techn		1		st (Co	ntinue	ed)	1	<u> </u>	-	
2	3	5	U	0	3	4	176	Р	S	0	1		-					
2	3	6	U	0	3	5	176	Р	S	0	1							
2	3	7	U	0	3	6	176	Р	S	0	1					-	-	
2	3	8	U	0	3	7	176	Р	S	0	1							
2	3	9	U	0	3	8	176	Р	S	0	1		-					
2	4	0	U	0	3	9	176	P	S	0	1					-	-	
2	4	1	U	0	4	1	176	Р	S	0	1					-	-	
2	4	2	U	0	4	2	176	Р	S	0	1							
2	4	3	U	0	4	3	176	Р	S	0	1							
2	4	4	U	0	4	4	176	Р	S	0	1							
2	4	5	U	0	4	5	176	P	S	0	1					<u> </u>		
2	4	6	U	0	4	6	176	Р	S	0	1							
2	4	7	U	0	4	7	176	Р	S	0	1		-					
2	4	8	U	0	4	8	176	Р	S	0	1					-	-	
2	4	9	U	0	4	9	176	P	S	0	1					-	-	
2	5	0	U	0	5	0	176	P	S	0	1							
2	5	1	U	0	5	1	176	P	S	0	1		-					
2	5	2	U	0	5	2	176	P	S	0	1							
2	5	3	U	0	5	3	176	P	S	0	1					-	-	
2	5	4	U	0	5	5	176	Р	S	0	1		-					
2	5	5	U	0	5	6	176	P	S	0	1					-	-	
2	5	6	U	0	5	7	176	Р	S	0	1		-					
2	5	7	U	0	5	8	176	P	S	0	1					-	-	
2	5	8	U	0	5	9	176	Р	S	0	1		-					
2	5	9	U	0	6	0	176	Р	S	0	1							
2	6	0	U	0	6	1	176	P	S	0	1					-	-	
2	6	1	U	0	6	2	176	P	S	0	1					<u> </u>		
2	6	2	U	0	6	3	176	P	S	0	1							
2	6	3	U	0	6	4	176	P	S	0	1							
2	6	4	U	0	6	6	176	P	S	0	1							
2	6	5	U	0	6	7	176	P	S	0	1							
2	6	6	U	0	6	8	176	P	S	0	1							
2	6	7	U	0	6	9	176	Р	S	0	1							
2	6	8	U	0	7	0	176	Р	S	0	1							
2	6	9	U	0	7	1	176	Р	S	0	1							
2	7	0	U	0	7	2	176	Р	S	0	1							
2	7	1	U	0	7	3	176	Р	S	0	1							
2	7	2	U	0	7	4	176	Р	S	0	1							
2	7	3	U	0	7	5	176	Р	S	0	1							

9.	Des	scrip					Wastes (Con B. Estimated	tinued. Use the	Addi	tiona	Shee	et(s) a	s nec	essar			
	Line umb			EPA H Wast Enter	e No.		Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	COD	ES (En		ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Techni	ical A	rea 54	l, Wes	st (Co	ntinu	ed)			1
2	7	4	U	0	7	6	176	Р	S	0	1						
2	7	5	U	0	7	7	176	Р	S	0	1						
2	7	6	U	0	7	8	176	Р	S	0	1						
2	7	7	U	0	7	9	176	Р	S	0	1						
2	7	8	U	0	8	0	528	Р	S	0	1						
2	7	9	U	0	8	1	176	Р	S	0	1						
2	8	0	U	0	8	2	176	Р	S	0	1						
2	8	1	U	0	8	3	176	Р	S	0	1						
2	8	2	U	0	8	4	176	Р	S	0	1	1			1	1	
2	8	3	U	0	8	5	176	Р	S	0	1						
2	8	4	U	0	8	6	176	Р	S	0	1						
2	8	5	U	0	8	7	176	Р	S	0	1						
2	8	6	U	0	8	8	176	Р	S	0	1						
2	8	7	U	0	8	9	176	Р	S	0	1						
2	8	8	U	0	9	0	176	Р	S	0	1						
2	8	9	U	0	9	1	176	Р	S	0	1						
2	9	0	U	0	9	2	176	Р	S	0	1						
2	9	1	U	0	9	3	176	Р	S	0	1						
2	9	2	U	0	9	4	176	Р	S	0	1						
2	9	3	U	0	9	5	176	Р	S	0	1						
2	9	4	U	0	9	6	176	Р	S	0	1						
2	9	5	U	0	9	7	176	Р	S	0	1						
2	9	6	U	0	9	8	176	Р	S	0	1						
2	9	7	U	0	9	9	176	Р	S	0	1						
2	9	8	U	1	0	1	176	Р	S	0	1						
2	9	9	U	1	0	2	176	Р	S	0	1						
3	0	0	U	1	0	3	176	Р	S	0	1						
3	0	1	U	1	0	5	176	Р	S	0	1						
3	0	2	U	1	0	6	176	Р	S	0	1						
3	0	3	U	1	0	7	176	Р	S	0	1						
3	0	4	U	1	0	8	176	Р	S	0	1						
3	0	5	U	1	0	9	176	Р	S	0	1						
3	0	6	U	1	1	0	176	Р	S	0	1						
3	0	7	U	1	1	1	176	Р	S	0	1						
3	0	8	U	1	1	2	176	Р	S	0	1						
3	0	9	U	1	1	3	176	Р	S	0	1						
3	1	0	U	1	1	4	176	Р	S	0	1						
3	1	1	U	1	1	5	176	Р	S	0	1						
3	1	2	U	1	1	6	176	Р	S	0	1						

9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	itional	Shee	t(s) a	s nec	essar				
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En			ESSE	(2) PROCESS DESCRIPTION
				Enter	COUE	;)	Waste	. ,								,		(If a code is not entered in 9.D(1))
			1	1	1	1		Techni		1	r	t (Co	ntinue	ed)	r	r	r	
3	1	3	U	1	1	7	176	Р	S	0	1							
3	1	4	U	1	1	8	176	Р	S	0	1							
3	1	5	U	1	1	9	176	Р	S	0	1							
3	1	6	U	1	2	0	176	Р	S	0	1							
3	1	7	U	1	2	1	176	Р	S	0	1							
3	1	8	U	1	2	2	176	Р	S	0	1							
3	1	9	U	1	2	3	176	Р	S	0	1							
3	2	0	U	1	2	4	176	Р	S	0	1							
3	2	1	U	1	2	5	176	Р	S	0	1							
3	2	2	U	1	2	6	176	Р	S	0	1							
3	2	3	U	1	2	7	176	Р	S	0	1				<u> </u>			
3	2	4	U	1	2	8	176	Р	S	0	1				<u> </u>			
3	2	5	U	1	2	9	176	Р	S	0	1							
3	2	6	U	1	3	0	176	Р	S	0	1							
3	2	7	U	1	3	1	176	Р	S	0	1							
3	2	8	U	1	3	2	176	Р	S	0	1							
3	2	9	U	1	3	3	176	Р	S	0	1							
3	3	0	U	1	3	4	176	Р	S	0	1							
3	3	1	U	1	3	5	176	Р	S	0	1							
3	3	2	U	1	3	6	176	Р	S	0	1							
3	3	3	U	1	3	7	176	Р	S	0	1							
3	3	4	U	1	3	8	176	Р	S	0	1							
3	3	5	U	1	4	0	176	Р	S	0	1							
3	3	6	U	1	4	1	176	Р	S	0	1							
3	3	7	U	1	4	2	176	Р	S	0	1							
3	3	8	U	1	4	3	176	Р	S	0	1							
3	3	9	U	1	4	4	176	Р	S	0	1						L	
3	4	0	U	1	4	5	176	Р	S	0	1							
3	4	1	U	1	4	6	176	Р	S	0	1						L	
3	4	2	U	1	4	7	176	Р	S	0	1							
3	4	3	U	1	4	8	176	Р	S	0	1							
3	4	4	U	1	4	9	176	Р	S	0	1							
3	4	5	U	1	5	0	176	Р	S	0	1							
3	4	6	U	1	5	1	1,060	Р	S	0	1							
3	4	7	U	1	5	2	176	Р	S	0	1							
3	4	8	U	1	5	3	176	Р	S	0	1							
3	4	9	U	1	5	4	176	Р	S	0	1							
3	5	0	U	1	5	5	176	Р	S	0	1							
3	5	1	U	1	5	6	176	Р	S	0	1							

9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar	y; nu	mber	pages	s as 5 a, etc.)
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En			ESSE	(2) PROCESS DESCRIPTION
			,	Linter	oout	•)	Waste	. ,						-		,		(If a code is not entered in 9.D(1))
	-							Techni		1		st (Co	ntinue	ed)	1	r –	r –	Γ
3	5	2	U	1	5	7	176	Р	S	0	1		-					
3	5	3	U	1	5	8	176	P	S	0	1					-	-	
3	5	4	U	1	5	9	528	Р	S	0	1					-	-	
3	5	5	U	1	6	0	176	Р	S	0	1							
3	5	6	U	1	6	1	176	Р	S	0	1		-					
3	5	7	U	1	6	2	176	P	S	0	1					-	-	
3	5	8	U	1	6	3	176	Р	S	0	1					-	-	
3	5	9	U	1	6	4	176	Р	S	0	1							
3	6	0	U	1	6	5	176	Р	S	0	1							
3	6	1	U	1	6	6	176	Р	S	0	1							
3	6	2	U	1	6	7	176	P	S	0	1					-	-	
3	6	3	U	1	6	8	176	Р	S	0	1							
3	6	4	U	1	6	9	176	Р	S	0	1					-	-	
3	6	5	U	1	7	0	176	Р	S	0	1							
3	6	6	U	1	7	1	176	Р	S	0	1							
3	6	7	U	1	7	2	176	Р	S	0	1							
3	6	8	U	1	7	3	176	Р	S	0	1							
3	6	9	U	1	7	4	176	Р	S	0	1							
3	7	0	U	1	7	6	176	Р	S	0	1							
3	7	1	U	1	7	7	176	Р	S	0	1							
3	7	2	U	1	7	8	176	Р	S	0	1							
3	7	3	U	1	7	9	176	Р	S	0	1							
3	7	4	U	1	8	0	176	Р	S	0	1							
3	7	5	U	1	8	1	176	Р	S	0	1							
3	7	6	U	1	8	2	176	Р	S	0	1							
3	7	7	U	1	8	3	176	Р	S	0	1							
3	7	8	U	1	8	4	176	Р	S	0	1							
3	7	9	U	1	8	5	176	Р	S	0	1							
3	8	0	U	1	8	6	176	Р	S	0	1							
3	8	1	U	1	8	7	176	Р	S	0	1							
3	8	2	U	1	8	8	176	Р	S	0	1							
3	8	3	U	1	8	9	176	Р	S	0	1							
3	8	4	U	1	9	0	176	Р	S	0	1							
3	8	5	U	1	9	1	176	Р	S	0	1							
3	8	6	U	1	9	2	176	Р	S	0	1							
3	8	7	U	1	9	3	176	Р	S	0	1							
3	8	8	U	1	9	4	176	Р	S	0	1							
3	8	9	U	1	9	6	176	Р	S	0	1							
3	9	0	U	1	9	7	176	Р	S	0	1							

9.	De	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	itional	Shee	et(s) a	s nec	essar			
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En		ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
						-	Waste	Techni	ical A	roa 5/	Wos	t (Co	ntinu	ed)			
3	9	1	U	2	0	0	176	P	S	0	1			,			
3	9	2	U	2	0	1	176	P	s	0	1						
3	9	3	U	2	0	2	176	P	S	0	1						
3	9	4	U	2	0	3	176	P	s	0	1						
3	9	5	U	2	0	4	176	P	s	0	1						
3	9	6	U	2	0	5	176	P	S	0	1						
3	9	7	U	2	0	6	176	P	S	0	1						
3	9	8	U	2	0	7	176	Р	s	0	1						
3	9	9	U	2	0	8	176	P	S	0	1						
4	0	0	U	2	0	9	176	Р	S	0	1						
4	0	1	U	2	1	0	176	Р	S	0	1						
4	0	2	U	2	1	1	176	Р	S	0	1						
4	0	3	U	2	1	3	176	Р	s	0	1						
4	0	4	U	2	1	4	176	Р	s	0	1						
4	0	5	U	2	1	5	176	Р	s	0	1						
4	0	6	U	2	1	6	176	Р	S	0	1						
4	0	7	U	2	1	7	176	Р	s	0	1						
4	0	8	U	2	1	8	176	Р	S	0	1						
4	0	9	U	2	1	9	176	Р	S	0	1						
4	1	0	U	2	2	0	176	Р	S	0	1						
4	1	1	U	2	2	1	176	Р	S	0	1						
4	1	2	U	2	2	2	176	Р	S	0	1						
4	1	3	U	2	2	3	176	Р	S	0	1						
4	1	4	U	2	2	5	176	Р	S	0	1						
4	1	5	U	2	2	6	4,584	Р	S	0	1						
4	1	6	U	2	2	7	176	Р	S	0	1						
4	1	7	U	2	2	8	176	Р	S	0	1						
4	1	8	U	2	3	4	176	Р	S	0	1						
4	1	9	U	2	3	5	176	Р	S	0	1						
4	2	0	U	2	3	6	176	Р	S	0	1						
4	2	1	U	2	3	7	176	Р	S	0	1						
4	2	2	U	2	3	8	176	Р	S	0	1						
4	2	3	U	2	3	9	352	Р	S	0	1						
4	2	4	U	2	4	0	176	Р	S	0	1						
4	2	5	U	2	4	3	176	Р	S	0	1						
4	2	6	U	2	4	4	176	Р	S	0	1						
4	2	7	U	2	4	6	176	Р	S	0	1						
4	2	8	U	2	4	7	176	Р	S	0	1						
4	2	9	U	2	4	8	176	Р	S	0	1						

	Line			EPA H	lazaro	lous	Wastes (Con B. Estimated Annual	C. Unit of							D. F	ROC	ESSE	S
	umb			Wast Enter			Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En	ter co	de)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1)
								Techni	cal Ar	ea 54	, Wes	t (Co	ntinu	ed)				
4	3	0	U	2	4	9	176	Р	S	0	1							
4	3	1	U	2	7	1	176	Р	S	0	1							
4	3	2	U	2	7	8	176	Р	S	0	1							
4	3	3	U	2	7	9	176	Р	s	0	1							
4	3	4	U	2	8	0	176	Р	S	0	1							
4	3	5	U	3	2	8	176	Р	S	0	1							
4	3	6	U	3	5	3	176	Р	S	0	1							
4	3	7	U	3	5	9	176	Р	s	0	1							
4	3	8	U	3	6	4	176	Р	S	0	1							
4	3	9	U	3	6	7	176	Р	S	0	1							
4	4	0	U	3	7	2	176	Р	S	0	1							
4	4	1	U	3	7	3	176	Р	s	0	1							
4	4	2	U	3	8	7	176	Р	s	0	1							
4	4	3	U	3	8	9	176	Р	s	0	1							
4	4	4	U	3	9	4	176	Р	S	0	1							
4	4	5	U	3	9	5	176	Р	S	0	1							
4	4	6	U	4	0	4	176	Р	s	0	1							
4	4	7	U	4	0	9	176	Р	S	0	1							
4	4	8	U	4	1	0	176	Р	S	0	1							
4	4	9	U	4	1	1	176	Р	S	0	1							

	ine			lazaro		B. Estimated Annual	0.0111.01							D. I	PROC	ESSE	S
Nur	nber			e No. code		Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En	ter co	de)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
		1					Technical Area	54, N	lateria	al Disj	oosal	Area	H (Sh	aft 9)	a		
	1	D	0	0	3	15	Р	D	8	0							
	2																
	3																
	4																
	5																
	6																
	7																
	8																
	9																
1	0																
1	1																
1	2																
1	3																
1	4																
1	5																
1	6																
1	7																
1	8																
1	9																
2	0																
2	1																
2	2																
2	3																
2	4																
2	5																
2	6																
2	7							1									
2	8							1									
2	9																
3	0																
3	1																
3	2																
3	3							1									
3	4																
3	5																
3	6																
3	7							<u> </u>									
3	8																
3	9							<u> </u>							ļ		

^b To be closed in accordance with Code of Federal Regulations (CFR), Title 40, Part 265, Subpart G. Permitted status is not requested.

9.	Descri					B. Estimated	ntinued. Use th		πιοπα	I Shee	ει(s) a	5 11000					as J a, etc./
	ine nber		Wast	azard e No. code		Annual Qty of	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE				5020	(2) PROCESS DESCRIPTION
		(Inter	code)	Waste	(Enter code)					0022	0 (2		,		(If a code is not entered in 9.D(1))
		1				1	1	-	chnic	1	a 55		1				1
	1	D	0	0	1	75,000	P	S	0	1							
	2	D	0	0	2	150,000	Р	S	0	1	S	0	2	Т	0	4	
	3	D	0	0	3	42,000	P	S	0	1							
	4	D	0	0	4	5,000	P	S	0	1	S	0	2	Т	0	4	
	5	D	0	0	5	11,000	P	S	0	1	S	0	2	Т	0	4	
	6	D	0	0	6	400,500	Р	S	0	1	S	0	2	Т	0	4	
	7	D	0	0	7	605,000	Р	S	0	1	S	0	2	Т	0	4	
	8	D	0	0	8	900,000	Р	S	0	1	S	0	2	Т	0	4	
	9	D	0	0	9	26,000	Р	S	0	1	S	0	2	Т	0	4	
1	0	D	0	1	0	2,500	Р	S	0	1	S	0	2	Т	0	4	
1	1	D	0	1	1	11,000	Р	S	0	1	S	0	2	Т	0	4	
1	2	D	0	1	2	1,000	Р	S	0	1	<u> </u>			Т	0	4	
1	3	D	0	1	8	4,500	Р	S	0	1				Т	0	4	
1	4	D	0	1	9	4,500	P	S	0	1				Т	0	4	
1	5	D	0	2	1	4,500	P	S	0	1				Т	0	4	
1	6	D	0	2	2	1,500	Р	S	0	1				Т	0	4	
1	7	D	0	2	7	1,500	Р	S	0	1				Т	0	4	
1	8	D	0	2	8	2,500	Р	S	0	1				Т	0	4	
1	9	D	0	3	0	1,500	Р	S	0	1				Т	0	4	
2	0	D	0	3	2	1,500	Р	S	0	1				Т	0	4	
2	1	D	0	3	3	1,500	Р	S	0	1				Т	0	4	
2	2	D	0	3	4	1,500	Р	S	0	1				Т	0	4	
2	3	D	0	3	5	12,000	Р	S	0	1				Т	0	4	
2	4	D	0	3	6	1,500	Р	S	0	1				Т	0	4	
2	5	D	0	3	7	1,500	Р	S	0	1				Т	0	4	
2	6	D	0	3	8	1,500	Р	S	0	1				Т	0	4	
2	7	D	0	3	9	11,000	Р	S	0	1				Т	0	4	
2	8	D	0	4	0	11,000	Р	S	0	1				Т	0	4	
2	9	D	0	4	2	1,500	Р	S	0	1				Т	0	4	
3	0	D	0	4	3	1,500	Р	S	0	1				Т	0	4	
3	1	F	0	0	1	110,000	Р	S	0	1	ſ						
3	2	F	0	0	2	110,000	Р	S	0	1							
3	3	F	0	0	3	110,000	Р	S	0	1							
3	4	F	0	0	5	110,000	Р	S	0	1							
3	5	F	0	0	6	500	Р	S	0	1							
3	6	F	0	0	7	500	Р	S	0	1							
3	7	F	0	0	9	500	Р	S	0	1	l	İ			İ		
3	8	Р	0	0	3	1,500	Р	S	0	1	1			1			
3	9	Р	0	1	2	1,500	Р	S	0	1	l						

9.	Descr	iptio	ns o	f Haz	zardo		Continued. Use the A	Additi	ional S	Sheet	(s) as	nece	essary			
	ne nber	1	PA H Wast Enter	e No		Annual Qty of	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er		ESSE	(2) PROCESS DESCRIPTION
		.,		cou	0)	Waste		L					- ((If a code is not entered in 9.D(1))
		_	_		_			1	Area	-	ontin	ued)		r	1	I
4	0	P	0	1	5	6,000	P	S	0	1						
4	1	P	0	2	9	1,500	P	S	0	1						
4	2	P	0	3	0	1,500	P	S	0	1						
4	3	P	0	3	1	1,500	P	S	0	1						
4	4	P	0	3	8	1,500	P	S	0	1						
4	5	P	0	5	6	3,000	P	S	0	1						
4	6	P	0	6	3	1,500	P	S	0	1						
4	7	P	0	6	8	1,500	P	S	0	1						
4	8	P	0	7	3	1,500	P	S	0	1						
4	9	P	0	7	6	1,500	P	S	0	1						
5	0	P	0	7	8	1,500	P	S	0	1						
5	1	P	0	9	5	1,500	P	S	0	1						
5	2	P	0	9	6	1,500	P	S	0	1						
5	3	P	0	9	8	1,500	P	S	0	1						
5	4	P	0	9	9	500	P	S	0	1						
5	5	P	1	0	6	1,500	P	S	0	1						
5	6	P	1	1	3	1,500	P	S	0	1						
5	7	P	1	2	0	1,500	P	S	0	1						
5	8	U	0	0	1	3,000	P	S	0	1						
5	9	U	0	0	2	1,500	P	S	0	1						
6	0	U	0	0	3	1,500	P	S	0	1						
6	1	U	0	1	2	1,500	P	S	0	1						
6	2	U	0	1	9	3,000	P	S	0	1						
6	3 4	U U	0	2	2	1,500	P P	S S	0	1						
6		U	0	2	9	1,500	P P		0	1						
6 6	5 6	U	0	3 3	1 7	1,500 1,500	P P	S S	0	1						
6 6	6 7	U	0	3	4		P	S S	0	1						
6	8	U	0	4	4 5	1,500 1,500	P	S S	0	1						
6	о 9	U	0	4 5	5 2	1,500	P P	S	0	1						
7	0	U	0	5 5	6	1,500	P	S	0	1						
7	1	U	0	5 5	7	1,500	P	S	0	1						
7	2	U	0	5 7	5	1,500	P	S	0	1						
' 7	2	U	0	7	7	1,500	P	S	0	1					 	
7	4	U	0	7 8	0	6,000	P	S	0	1						
7	4 5	U	1	0 0	3	500	P	S	0	1						
7	6	U	1	0	8	1,500	P	S	0	1						
7	0 7	U	1			1,500	P P	S		1						
				1	2				0		<u> </u>				<u> </u>	
7	8	U	1	1	5	1,500	Р	S	0	1						

9.	De	scr	iptio	ns of	Haz	ardo	us Wastes (Continued. Use	e the A	Additio	onal S	heet(s	s) as n	ecess	sary; r	numbe	er pag	es as 5 a, etc.)
_			A. E	PA H	lazar	dous	B. Estimated	C. Unit of							D.	PROC	ESSE	s
	Line umb			Wast Enter	e No		Annual Qty of Waste	Measure (Enter code)		(1)) PRO	CESS	CODE	S (En	ter coo	de)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
									Tech	nical /	Area 5	5 (Co	ntinue	ed)				
	7	9	U	1	1	7	1,500	Р	S	0	1							
	8	0	U	1	2	1	1,500	Р	S	0	1							
	8	1	U	1	2	2	1,500	Р	S	0	1							
	8	2	U	1	2	3	1,500	Р	S	0	1							
	8	3	U	1	3	1	1,500	Р	S	0	1							
	8	4	U	1	3	3	1,500	Р	S	0	1							
	8	5	U	1	3	4	6,000	Р	S	0	1							
	8	6	U	1	3	5	1,500	Р	S	0	1							
	8	7	U	1	4	0	1,500	Р	S	0	1							
	8	8	U	1	4	4	1,500	Р	S	0	1							
	8	9	U	1	5	1	6,000	Р	S	0	1							
	9	0	U	1	5	4	6,000	Р	S	0	1							
	9	1	U	1	5	9	6,000	Р	S	0	1							
	9	2	U	1	6	0	1,500	Р	S	0	1							
	9	3	U	1	6	1	1,500	Р	S	0	1							
	9	4	U	1	6	5	1,500	Р	S	0	1							
	9	5	U	1	6	9	1,500	Р	S	0	1							
	9	6	U	1	8	8	1,500	Р	S	0	1							
	9	7	U	1	9	0	1,500	Р	S	0	1							
	9	8	U	1	9	6	1,500	P	S	0	1							
	9	9	U	2	0	4	1,500	P	S	0	1							
1	0	0	U	2	1	0	6,000	P	S	0	1							
1	0	1	U	2	1	1	6,000	P	S	0	1							
1	0	2	U	2	1	3	1,500	P	S	0	1							
1	0	3	U	2	1	6	1,500	P	S	0	1							
1	0	4	U	2	1	8	1,500	P	S	0	1							
1	0	5	U	2	1	9	1,500	P P	S S	0	1							
1	0	6 7	U U	2	2 2	0 5	6,000 1,500	P P	S S	0	1							
1	0	7 8	U	2	2	5 6	6,000	P P	S S	0	1							
1	0	о 9	U	2	2	6 7	1,500	P P	S S	0	1							
1	0	9	U	2	2	7 8	1,500	P P	S S	0	1							
1	י 1	1	U	2	2	о 9	1,500	P	S	0	1							
1	י 1	י 2	U	2	3 4	9 6	1,500	P	S	0	1							
1	י 1	2		2		0	1,300	1	5	0								
1	' 1	4																
1	' 1	5																
1	1	6																
' 1	' 1	7																

				lazaro		B. Estimated	C. 0111 01			Snet	-us/a	3 net				ESSE	
	ine. mber	(e No. code		Annual Qty of Waste	Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En	ter co	de)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Te	chnic	al Are	ea 63						
	1	D	0	0	1	3,300	Р	S	0	1							
	2	D	0	0	2	3,950	Р	S	0	1							
	3	D	0	0	3	1,850	Р	S	0	1							
	4	D	0	0	4	25,250	Р	S	0	1							
	5	D	0	0	5	820	Р	S	0	1							
	6	D	0	0	6	5,150	Р	S	0	1							
	7	D	0	0	7	37,750	Р	S	0	1							
	8	D	0	0	8	54,000	Р	S	0	1							
	9	D	0	0	9	1,000	Р	S	0	1							
1	0	D	0	1	0	450	Р	S	0	1							
1	1	D	0	1	1	25,400	Р	S	0	1							
1	2	D	0	1	2	180	Р	S	0	1							
1	3	D	0	1	3	40	Р	S	0	1							
1	4	D	0	1	4	40	Р	S	0	1							
1	5	D	0	1	5	70	Р	S	0	1							
1	6	D	0	1	6	40	Р	S	0	1							
1	7	D	0	1	7	40	Р	S	0	1							
1	8	D	0	1	8	300	Р	S	0	1							
1	9	D	0	1	9	250	Р	S	0	1							
2	0	D	0	2	0	300	Р	S	0	1							
2	1	D	0	2	1	150	Р	S	0	1							
2	2	D	0	2	2	330	Р	S	0	1							
2	3	D	0	2	3	40	Р	S	0	1							
2	4	D	0	2	4	40	Р	S	0	1							
2	5	D	0	2	5	40	Р	S	0	1							
2	6	D	0	2	6	40	Р	S	0	1							
2	7	D	0	2	7	220	Р	S	0	1							
2	8	D	0	2	8	400	Р	S	0	1							
2	9	D	0	2	9	70	Р	S	0	1							
3	0	D	0	3	0	300	Р	S	0	1							
3	1	D	0	3	1	220	Р	S	0	1							
3	2	D	0	3	2	290	Р	S	0	1							
3	3	D	0	3	3	290	Р	S	0	1							
3	4	D	0	3	4	290	Р	S	0	1				<u> </u>			
3	5	D	0	3	5	300	Р	S	0	1				<u> </u>			
3	6	D	0	3	6	190	Р	S	0	1				<u> </u>			
3	7	D	0	3	7	70	Р	S	0	1				<u> </u>			
3	8	D	0	3	8	140	Р	S	0	1				<u> </u>			
3	9	D	0	3	9	200	Р	S	0	1					1		

9.						D. Datharatad	Continued. Use the A	Additi	ional S	Shee	t(s) as	nece	ssary				
Li	ne		PA H Wast		dous	B. Estimated Annual	C. Unit of Measure							D.	PROC	ESSE	ES
Nur	nber		Enter			Qty of Waste	(Enter code)		(1)	PRO	CESS	CODE	ES (En	iter co	ode)		(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
							Tech	nical	Area	63 (C	ontin	ued)					
4	0	D	0	4	0	250	Р	S	0	1							
4	1	D	0	4	1	170	Р	S	0	1							
4	2	D	0	4	2	220	Р	S	0	1							
4	3	D	0	4	3	250	Р	S	0	1							
4	4	F	0	0	1	64,100	Р	S	0	1							
4	5	F	0	0	2	34,500	Р	S	0	1							
4	6	F	0	0	3	28,500	Р	S	0	1							
4	7	F	0	0	4	350	Р	S	0	1							
4	8	F	0	0	5	32,500	Р	S	0	1							
4	9	F	0	0	6	70	Р	S	0	1							
5	0	F	0	0	7	180	Р	S	0	1							
5	1	F	0	0	8	70	Р	S	0	1							
5	2	F	0	0	9	80	Р	S	0	1							
5	3	F	0	1	0	40	Р	S	0	1							
5	4	F	0	1	1	40	Р	S	0	1							
5	5	F	0	1	2	40	Р	S	0	1							
5	6	F	0	1	9	40	Р	S	0	1							
5	7	F	0	2	0	40	Р	S	0	1							
5	8	F	0	2	1	40	Р	S	0	1							
5	9	F	0	2	2	40	Р	S	0	1							
6	0	F	0	2	3	40	Р	S	0	1							
6	1	F	0	2	4	40	Р	S	0	1							
6	2	F	0	2	5	40	Р	S	0	1							
6	3	F	0	2	6	40	Р	S	0	1							
6	4	F	0	2	7	40	Р	S	0	1							
6	5	F	0	2	8	40	Р	S	0	1							
6	6	F	0	3	2	40	Р	S	0	1							
6	7	F	0	3	4	40	Р	S	0	1							
6	8	F	0	3	5	40	Р	S	0	1							
6	9	F	0	3	7	40	Р	S	0	1							
7	0	F	0	3	8	40	Р	S	0	1							
7	1	F	0	3	9	40	Р	S	0	1							
7	2	К	0	4	4	220	Р	S	0	1							
7	3	К	0	4	5	40	Р	S	0	1							
7	4	К	0	4	6	40	Р	S	0	1							
7	5	К	0	4	7	40	Р	S	0	1							
7	6	К	0	8	4	50	Р	S	0	1							
7	7	К	1	0	1	50	Р	S	0	1							
7	8	Κ	1	0	2	50	Р	S	0	1							

Line No.	7 8 8 8 8 8 8 8 8 8 8 8 8			Wast Enter 0 0	lazaro e No. code	e)	Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)						ROC	
8 8 8 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9	8 8 8 8 8 8 8 8 8 8	0 1 2 3 4	P P P	0 0	0				1	()	FRU	6533	CODE	ES (En	ter co	de)	(2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
8 8 8 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9	8 8 8 8 8 8 8 8 8 8	0 1 2 3 4	P P P	0 0	0			Tech	nical	Area 6	63 (Co	ontinu	led)				
8 8 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9	8 8 8 8 8 8 8 8 8	1 2 3 4	P P	0			40	Р	S	0	1						
8 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9	8 8 8 8 8 8 8	2 3 4	Ρ	-		2	40	Р	S	0	1						
8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9	8 8 8 8 8	3 4			0	3	40	Р	S	0	1						
8 8 8 8 8 9 9 9 9 9 9 9 9 9 9	8 8 8 8	4	Ρ	0	0	4	40	Р	S	0	1						
8 8 8 8 9 9 9 9 9 9 9 9 9 9	8 8 8			0	0	5	40	Р	S	0	1						
8 8 8 9 9 9 9 9 9 9 9 9 9	8 8	5	Ρ	0	0	6	40	Р	S	0	1						
8 8 9 9 9 9 9 9 9 9 9	8		Ρ	0	0	7	40	Р	S	0	1						
8 8 9 9 9 9 9 9 9 9		6	Ρ	0	0	8	40	Р	S	0	1						
8 9 9 9 9 9 9 9 9	Q	7	Ρ	0	0	9	40	Р	S	0	1						
9 9 9 9 9 9 9 9	0	8	Ρ	0	1	0	40	Р	s	0	1						
9 9 9 9 9 9 9	8	9	Р	0	1	1	40	Р	s	0	1						
9 9 9 9	9	0	Р	0	1	2	40	Р	S	0	1						
9 9 9	9	1	Р	0	1	3	40	Р	s	0	1						
9	9	2	Р	0	1	4	40	Р	s	0	1						1
9	9	3	Р	0	1	5	40	Р	s	0	1						1
	9	4	Р	0	1	6	40	Р	S	0	1						1
•	9	5	Р	0	1	7	40	Р	s	0	1						1
9	9	6	Р	0	1	8	40	Р	s	0	1						1
9	9	7	Р	0	2	0	40	Р	s	0	1						
9	9	8	Р	0	2	1	40	Р	s	0	1						1
9	9	9	Ρ	0	2	2	40	Р	s	0	1						
1 (0	0	Ρ	0	2	3	40	Р	s	0	1						
1 (0	1	Ρ	0	2	4	40	Р	s	0	1						
1 (0	2	Р	0	2	6	40	Р	s	0	1						
1 (0	3	Ρ	0	2	7	40	Р	s	0	1						
1 (0	4	Р	0	2	8	40	Р	s	0	1						
1 (0	5	Ρ	0	2	9	40	Р	S	0	1						
1 (0	6	Ρ	0	3	0	40	Р	S	0	1						
1 (0	7	Р	0	3	1	40	Р	S	0	1						
1 (0	8	Ρ	0	3	3	40	Р	S	0	1						
1 (0	9	Ρ	0	3	4	40	Р	S	0	1						
1	1	0	Ρ	0	3	6	40	Р	S	0	1						
	1	1	Р	0	3	7	40	Р	S	0	1						
1	1	2	Ρ	0	3	8	40	Р	S	0	1						
1	1	3	P	0	3	9	40	P	S	0	1						
	1	4	P	0	4	0	40	P	S	0	1						
_	1	5	P	0	4	1	40	P	S	0	1						
-	-	6	P	0	4	2	40	P	s	0	1						
1	1	-	•	,	- T	L –	10	P	s		<u> </u>		I				 L

9.	De	scrip					Wastes (Con B. Estimated	tinued. Use the	Addi	itiona	Shee	et(s) a	s nec	essar			
	Line umb			EPA H Wast Enter	e No.		Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En	PROC	E99E	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Тес	hnica	al Area	a 63 (Contir	nued)				•
1	1	8	Ρ	0	4	4	40	Р	S	0	1						
1	1	9	Р	0	4	5	40	Р	S	0	1						
1	2	0	Ρ	0	4	6	40	Р	S	0	1						
1	2	1	Р	0	4	7	40	Р	S	0	1						
1	2	2	Р	0	4	8	40	Р	S	0	1						
1	2	3	Р	0	4	9	40	Р	S	0	1						
1	2	4	Р	0	5	0	40	Р	S	0	1						
1	2	5	Ρ	0	5	1	40	Р	S	0	1						
1	2	6	Ρ	0	5	4	40	Р	S	0	1						
1	2	7	Р	0	5	6	40	Р	S	0	1						
1	2	8	Р	0	5	7	40	Р	S	0	1						
1	2	9	Р	0	5	8	40	Р	S	0	1						
1	3	0	Ρ	0	5	9	40	Р	S	0	1						
1	3	1	Р	0	6	0	40	Р	S	0	1						
1	3	2	Ρ	0	6	2	40	Р	S	0	1						
1	3	3	Р	0	6	3	40	Р	S	0	1						
1	3	4	Ρ	0	6	4	40	Р	S	0	1						
1	3	5	Ρ	0	6	5	40	Р	S	0	1						
1	3	6	Ρ	0	6	6	40	Р	S	0	1						
1	3	7	Ρ	0	6	7	40	Р	S	0	1						
1	3	8	Ρ	0	6	8	40	Р	S	0	1						
1	3	9	Ρ	0	6	9	40	Р	S	0	1						
1	4	0	Ρ	0	7	0	40	Р	S	0	1						
1	4	1	Ρ	0	7	1	40	Р	S	0	1						
1	4	2	Ρ	0	7	2	40	Р	S	0	1						
1	4	3	Ρ	0	7	3	40	Р	S	0	1						
1	4	4	Ρ	0	7	4	40	Р	S	0	1						
1	4	5	Ρ	0	7	5	40	Р	S	0	1						
1	4	6	Ρ	0	7	6	40	Р	S	0	1						
1	4	7	Ρ	0	7	7	40	Р	S	0	1						
1	4	8	Ρ	0	7	8	40	Р	S	0	1						
1	4	9	Ρ	0	8	1	40	Р	S	0	1						
1	5	0	Ρ	0	8	2	40	Р	S	0	1						
1	5	1	Ρ	0	8	4	40	Р	S	0	1						
1	5	2	Ρ	0	8	5	40	Р	S	0	1						
1	5	3	Ρ	0	8	7	40	Р	S	0	1						
1	5	4	Ρ	0	8	8	40	Р	S	0	1						
1	5	5	Ρ	0	8	9	40	Р	S	0	1						
1	5	6	Р	0	9	2	40	Р	S	0	1						

9.	De	scrip						tinued. Use the	Add	itiona	Shee	et(s) a	s nec	essar			
N	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (Er	PROC	ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Teo	l hnica	al Area	a 63 (Contir	nued)				
1	5	7	Р	0	9	3	40	Р	S	0	1		,				
1	5	8	Р	0	9	4	40	Р	s	0	1						
1	5	9	Р	0	9	5	40	Р	s	0	1						
1	6	0	Р	0	9	6	40	Р	S	0	1						
1	6	1	Р	0	9	7	40	Р	s	0	1						
1	6	2	Р	0	9	8	40	Р	s	0	1						
1	6	3	Р	0	9	9	40	Р	S	0	1						
1	6	4	Р	1	0	1	40	Р	S	0	1						
1	6	5	Р	1	0	2	40	Р	S	0	1						
1	6	6	Р	1	0	3	40	Р	S	0	1						
1	6	7	Р	1	0	4	40	Р	S	0	1						
1	6	8	Ρ	1	0	5	40	Р	S	0	1						
1	6	9	Ρ	1	0	6	40	Р	S	0	1						
1	7	0	Ρ	1	0	8	40	Р	S	0	1						
1	7	1	Ρ	1	0	9	40	Р	S	0	1						
1	7	2	Ρ	1	1	0	40	Р	S	0	1						
1	7	3	Ρ	1	1	1	40	Р	S	0	1						
1	7	4	Ρ	1	1	2	40	Р	S	0	1						
1	7	5	Ρ	1	1	3	40	Р	S	0	1						
1	7	6	Ρ	1	1	4	40	Р	S	0	1						
1	7	7	Ρ	1	1	5	40	Р	S	0	1						
1	7	8	Ρ	1	1	6	40	Р	S	0	1						
1	7	9	Ρ	1	1	8	40	Р	S	0	1						
1	8	0	Ρ	1	1	9	40	Р	S	0	1						
1	8	1	Ρ	1	2	0	40	Р	S	0	1						
1	8	2	Ρ	1	2	1	40	Р	S	0	1						
1	8	3	Ρ	1	2	2	40	Р	S	0	1						
1	8	4	Ρ	1	2	3	40	Р	S	0	1						
1	8	5	Ρ	1	2	7	40	Р	S	0	1						
1	8	6	Ρ	1	2	8	40	Р	S	0	1						
1	8	7	Ρ	1	8	5	40	Р	S	0	1						
1	8	8	Ρ	1	8	8	40	Р	S	0	1						
1	8	9	Ρ	1	8	9	40	Р	S	0	1						
1	9	0	Ρ	1	9	0	40	Р	S	0	1						
1	9	1	Ρ	1	9	1	40	Р	S	0	1						
1	9	2	Ρ	1	9	2	40	Р	S	0	1						
1	9	3	Ρ	1	9	4	40	Р	S	0	1						
1	9	4	Ρ	1	9	6	40	Р	S	0	1						
1	9	5	Ρ	1	9	7	40	Р	S	0	1						

9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	itional	Shee	et(s) a	s nec	essar				
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En			ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
								Tec	hnica	I Area	a 63 (C	Contir	ued)					
1	9	6	Р	1	9	8	40	Р	S	0	1							
1	9	7	Р	1	9	9	40	Р	S	0	1							
1	9	8	Р	2	0	1	40	Р	S	0	1							
1	9	9	Р	2	0	2	40	Р	s	0	1							
2	0	0	Р	2	0	3	40	Р	s	0	1							
2	0	1	Р	2	0	4	40	Р	s	0	1							
2	0	2	Р	2	0	5	40	Р	S	0	1							
2	0	3	U	0	0	1	40	Р	s	0	1							
2	0	4	U	0	0	2	70	Р	S	0	1							
2	0	5	U	0	0	3	40	Р	S	0	1							
2	0	6	U	0	0	4	40	Р	S	0	1							
2	0	7	U	0	0	5	40	Р	S	0	1			1	1	1		
2	0	8	U	0	0	6	40	Р	S	0	1							
2	0	9	U	0	0	7	40	Р	S	0	1							
2	1	0	U	0	0	8	40	Р	S	0	1							
2	1	1	U	0	0	9	40	Р	S	0	1							
2	1	2	U	0	1	0	40	Р	S	0	1							
2	1	3	U	0	1	1	40	Р	S	0	1							
2	1	4	U	0	1	2	40	Р	S	0	1							
2	1	5	U	0	1	4	40	Р	S	0	1							
2	1	6	U	0	1	5	40	Р	S	0	1							
2	1	7	U	0	1	6	40	Р	S	0	1							
2	1	8	U	0	1	7	40	Р	S	0	1							
2	1	9	U	0	1	8	40	Р	S	0	1							
2	2	0	U	0	1	9	40	Р	S	0	1							
2	2	1	U	0	2	0	40	Р	S	0	1							
2	2	2	U	0	2	1	40	Р	S	0	1							
2	2	3	U	0	2	2	40	Р	S	0	1							
2	2	4	U	0	2	3	40	Р	S	0	1							
2	2	5	U	0	2	4	40	Р	S	0	1							
2	2	6	U	0	2	5	40	Р	S	0	1							
2	2	7	U	0	2	6	40	Р	S	0	1							
2	2	8	U	0	2	7	40	Р	S	0	1							
2	2	9	U	0	2	8	40	Р	S	0	1							
2	3	0	U	0	2	9	40	Р	S	0	1							
2	3	1	U	0	3	0	40	Р	S	0	1							
2	3	2	U	0	3	1	40	Р	S	0	1							
2	3	3	U	0	3	2	40	Р	S	0	1							
2	3	4	U	0	3	3	40	Р	S	0	1							

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9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	itional	Shee	et(s) a	s nec	essar			
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En		ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
			ı				1	Тес	hnica	I Area	n 63 (C	Contin	ued)				
2	3	5	U	0	3	4	40	Р	S	0	1						
2	3	6	U	0	3	5	40	Р	s	0	1						
2	3	7	U	0	3	6	40	Р	S	0	1						
2	3	8	U	0	3	7	40	Р	S	0	1						
2	3	9	U	0	3	8	40	Р	S	0	1						
2	4	0	U	0	3	9	40	Р	S	0	1						
2	4	1	U	0	4	1	40	Р	S	0	1						
2	4	2	U	0	4	2	40	Р	S	0	1						
2	4	3	U	0	4	3	40	Р	S	0	1						
2	4	4	U	0	4	4	40	Р	S	0	1						
2	4	5	U	0	4	5	40	Р	S	0	1						
2	4	6	U	0	4	6	40	Р	S	0	1						
2	4	7	U	0	4	7	40	Р	S	0	1						
2	4	8	U	0	4	8	40	Р	S	0	1						
2	4	9	U	0	4	9	40	Р	S	0	1						
2	5	0	U	0	5	0	40	Р	S	0	1						
2	5	1	U	0	5	1	40	Р	S	0	1						
2	5	2	U	0	5	2	40	Р	S	0	1						
2	5	3	U	0	5	3	40	Р	S	0	1						
2	5	4	U	0	5	5	40	Р	S	0	1						
2	5	5	U	0	5	6	40	Р	S	0	1						
2	5	6	U	0	5	7	40	Р	S	0	1						
2	5	7	U	0	5	8	40	Р	S	0	1						
2	5	8	U	0	5	9	40	Р	S	0	1						
2	5	9	U	0	6	0	40	Р	S	0	1						
2	6	0	U	0	6	1	40	Р	S	0	1						
2	6	1	U	0	6	2	40	Р	S	0	1						
2	6	2	U	0	6	3	40	Р	S	0	1						
2	6	3	U	0	6	4	40	Р	S	0	1						
2	6	4	U	0	6	6	40	Р	S	0	1						
2	6	5	U	0	6	7	40	Р	S	0	1						
2	6	6	U	0	6	8	40	Р	S	0	1						
2	6	7	U	0	6	9	40	Р	S	0	1						
2	6	8	U	0	7	0	40	Р	S	0	1						
2	6	9	U	0	7	1	40	Р	S	0	1						
2	7	0	U	0	7	2	40	Р	S	0	1						
2	7	1	U	0	7	3	40	Р	S	0	1						
2	7	2	U	0	7	4	40	Р	S	0	1						
2	7	3	U	0	7	5	40	Р	S	0	1	1		1	1	1	

9.	De	scrip						tinued. Use the	Addi	tional	Shee	et(s) a	s nec	essar				
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En			ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
							Waste	Tec	hnica	l Area	63 ((Contir	ued)					
2	7	4	U	0	7	6	40	P	S	0	1							
2	7	5	U	0	7	7	40	P	S	0	1							
2	7	6	U	0	7	8	40	P	S	0	1							
2	7	7	U	0	7	9	40	P	S	0	1							
2	7	8	U	0	8	0	120	P	S	0	1							
2	7	9	U	0	8	1	40	P	S	0	1							
2	8	0	U	0	8	2	40	P	S	0	1							
2	8	1	U	0	8	3	40	Р	S	0	1							
2	8	2	U	0	8	4	40	Р	S	0	1							
2	8	3	U	0	8	5	40	Р	S	0	1							
2	8	4	U	0	8	6	40	Р	S	0	1							
2	8	5	U	0	8	7	40	Р	S	0	1							
2	8	6	U	0	8	8	40	Р	S	0	1							
2	8	7	U	0	8	9	40	Р	S	0	1							
2	8	8	U	0	9	0	40	Р	s	0	1							
2	8	9	U	0	9	1	40	Р	S	0	1							
2	9	0	U	0	9	2	40	Р	S	0	1							
2	9	1	U	0	9	3	40	Р	S	0	1							
2	9	2	U	0	9	4	40	Р	S	0	1							
2	9	3	U	0	9	5	40	Р	S	0	1							
2	9	4	U	0	9	6	40	Р	S	0	1							
2	9	5	U	0	9	7	40	Р	S	0	1							
2	9	6	U	0	9	8	40	Р	S	0	1							
2	9	7	U	0	9	9	40	Р	S	0	1							
2	9	8	U	1	0	1	40	Р	S	0	1							
2	9	9	U	1	0	2	40	Р	S	0	1							
3	0	0	U	1	0	3	40	Р	S	0	1							
3	0	1	U	1	0	5	40	Р	S	0	1							
3	0	2	U	1	0	6	40	Р	S	0	1							
3	0	3	U	1	0	7	40	Р	S	0	1							
3	0	4	U	1	0	8	40	Р	S	0	1							
3	0	5	U	1	0	9	40	Р	S	0	1							
3	0	6	U	1	1	0	40	Р	S	0	1							
3	0	7	U	1	1	1	40	Р	S	0	1							
3	0	8	U	1	1	2	40	Р	S	0	1							
3	0	9	U	1	1	3	40	Р	S	0	1							
3	1	0	U	1	1	4	40	Р	S	0	1							
3	1	1	U	1	1	5	40	Р	S	0	1							
3	1	2	U	1	1	6	40	Р	S	0	1							

9.	Des	scrip	tions	s of H	azaro	dous		tinued. Use the	Addi	tional	Shee	t(s) a	s nec	essar				
	Line umb			EPA H Wast Enter	e No.		B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)		(1)	PRO	CESS	CODE	ES (En			ESSE	S (2) PROCESS DESCRIPTION (If a code is not entered in 9.D(1))
							Waste	Tec	hnica	I Area	63 (0	Contin	ued)					
3	1	3	U	1	1	7	40	P	S	0	1					[[
3	1	4	U	1	1	8	40	P	s	0	1							
3	1	5	U	1	1	9	40	P	S	0	1							
3	1	6	U	1	2	0	40	P	S	0	1							
3	1	7	U	1	2	1	40	P	S	0	1							
3	1	8	U	1	2	2	70	Р	S	0	1							
3	1	9	U	1	2	3	40	Р	s	0	1							
3	2	0	U	1	2	4	40	Р	s	0	1							
3	2	1	U	1	2	5	40	Р	s	0	1							
3	2	2	U	1	2	6	40	Р	s	0	1							
3	2	3	U	1	2	7	40	Р	S	0	1							
3	2	4	U	1	2	8	40	Р	S	0	1							
3	2	5	U	1	2	9	40	Р	S	0	1							
3	2	6	U	1	3	0	40	Р	S	0	1							
3	2	7	U	1	3	1	40	Р	S	0	1							
3	2	8	U	1	3	2	40	Р	S	0	1							
3	2	9	U	1	3	3	40	Р	S	0	1							
3	3	0	U	1	3	4	120	Р	S	0	1							
3	3	1	U	1	3	5	40	Р	S	0	1							
3	3	2	U	1	3	6	40	Р	S	0	1							
3	3	3	U	1	3	7	40	Р	S	0	1							
3	3	4	U	1	3	8	40	Р	S	0	1							
3	3	5	U	1	4	0	40	Р	S	0	1							
3	3	6	U	1	4	1	40	Р	S	0	1							
3	3	7	U	1	4	2	40	Р	S	0	1							
3	3	8	U	1	4	3	40	Р	S	0	1							
3	3	9	U	1	4	4	40	Р	S	0	1							
3	4	0	U	1	4	5	40	Р	S	0	1							
3	4	1	U	1	4	6	40	Р	S	0	1							
3	4	2	U	1	4	7	40	Р	S	0	1							
3	4	3	U	1	4	8	40	Р	S	0	1							
3	4	4	U	1	4	9	40	Р	S	0	1							
3	4	5	U	1	5	0	40	Р	S	0	1							
3	4	6	U	1	5	1	70	Р	S	0	1							
3	4	7	U	1	5	2	40	Р	S	0	1							
3	4	8	U	1	5	3	40	Р	S	0	1							
3	4	9	U	1	5	4	40	Р	S	0	1							
3	5	0	U	1	5	5	40	Р	S	0	1							
3	5	1	U	1	5	6	40	Р	S	0	1							

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10.	Мар
	Attach to this application a topographical map, or other equivalent 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 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.
11.	Facility Drawing
	All existing facilities must include a scale drawing of the facility (see instructions for more detail).
12.	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).
13.	Comments

Document:	LANL General Part A
Revision No.:	8.0
Date:	January 2017

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITIES AT TECHNICAL AREA (TA) 55

Description	Capacity (gallons)	Associated Structure No./Area
Line 1 S01 Container Storage Units Container storage unit (B40) for		
RCRA ^a -regulated waste	21,500	TA-55-4, Basement
Container storage unit (B05) for RCRA ^a -regulated waste	3,600	TA-55-4, Basement
Container storage unit (K13) for RCRA ^a -regulated waste	2,500	TA-55-4, Basement
Container storage unit (B45) for RCRA ^a -regulated waste	11,000	TA-55-4, Basement
Container storage unit (Vault) for RCRA ^a -regulated waste	4,000	TA-55-4, Basement
Outdoor Pad for RCRA ^a -regulated waste	135,000	Near TA-55-4
Container storage unit (TA-55-0355 Pad) RCRA ^a -regulated waste	84,370	Near TA-55-185
Container storage unit (B13) for RCRA ^a -regulated waste	4,950	TA-55-4, Basement
Container storage unit (G12) for RCRA ^a -regulated waste	5,225	TA-55-4, Basement
TOTAL S01	272,145	

^a RCRA is the Resource Conservation and Recovery Act.

Document:	LANL General Part A
Revision No.:	8.0
Date:	January 2017

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITIES AT TECHNICAL AREA (TA) 55 (Continued)

Description	Capacity (gallons)	Associated Structure No./Area
Line 3 S02 Tank Storage System Storage tank system for RCRA ^a - regulated waste (evaporator glovebox storage tank component; cementation unit storage tank component)	137 ^b	TA-55-4, Room 401
TOTAL S02	137	

^a RCRA is the Resource Conservation and Recovery Act. ^b Total combined capacity for both storage tank components.

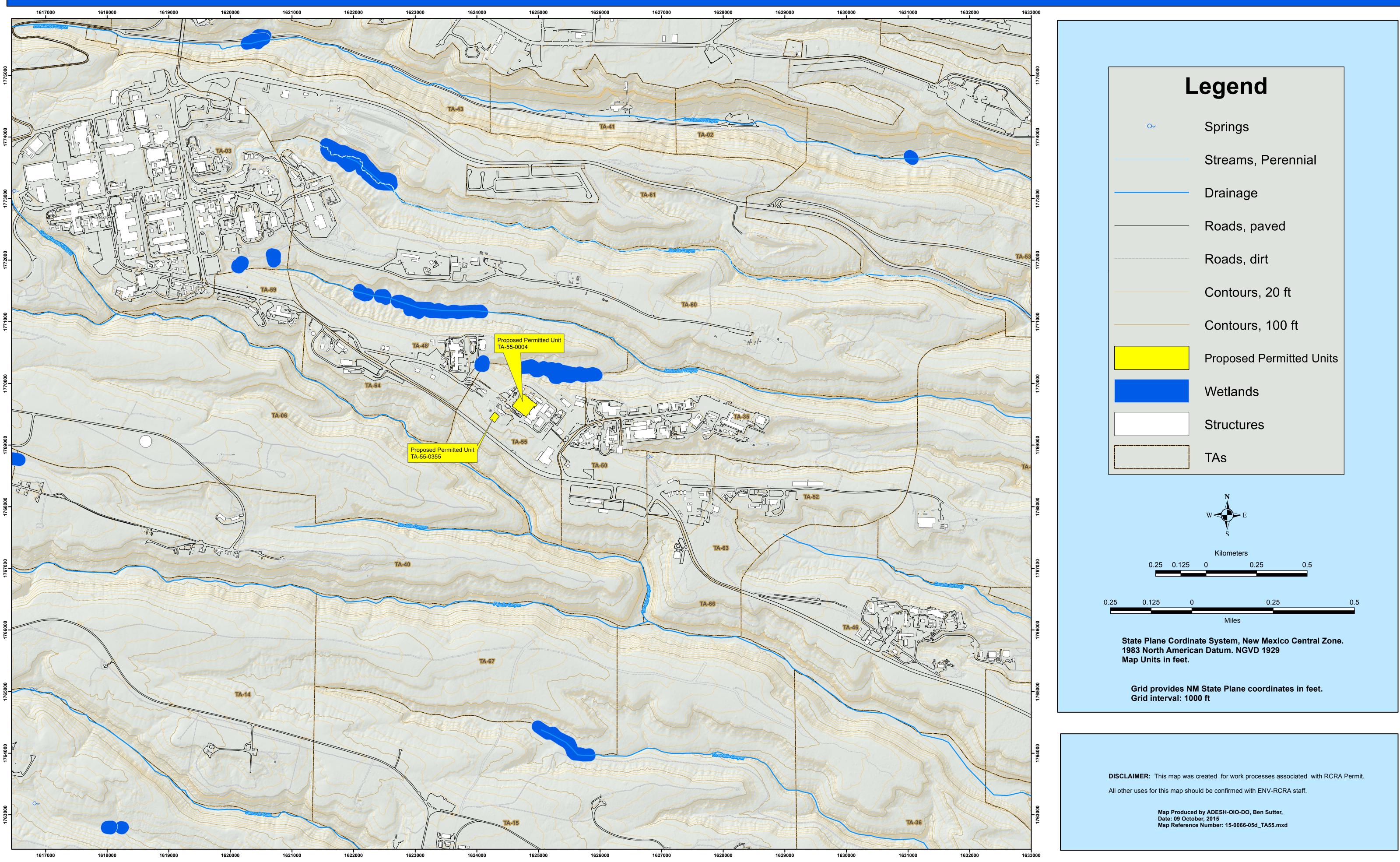
Document:	LANL General Part A
Revision No.:	8.0
Date:	January 2017

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITIES AT TECHNICAL AREA (TA) 55 (Continued)

Description	Capacity (gallons per day)	Associated Structure No./Area
Line 1 T04 Treatment - Solidification Stabilization unit for RCRA ^a - regulated waste	150	TA-55-4, Room 401
TOTAL T04	150	

 $^{^{\}rm a}$ RCRA is the Resource Conservation and Recovery Act.





LANL TA-55 Topographical Map



TA-55-0355 PAD

TA-55, Building 4, Room B13

UCNI

LOS ALAMOS NATIONAL LABORATORY

THIS FIGURE CONTAINS UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION (UCNI) AS DEFINED BY SECTION 148 OF THE ATOMIC ENERGY ACT

TA-55, Building 4, Room G12

UCNI

LOS ALAMOS NATIONAL LABORATORY

THIS FIGURE CONTAINS UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION (UCNI) AS DEFINED BY SECTION 148 OF THE ATOMIC ENERGY ACT

ATTACHMENT B

SEISMIC REPORT FOR THE TA-55 FACILITY

ATTACHMENT C

MODIFICATIONS TO THE RCRA HAZARDOUS WASTE FACLITITY PERMIT (REDLINE)

Permittees shall maintain the chemical-resistant epoxy and protective coating in accordance with Permit Section 3.7.1 and the manufacturer's specifications.

3.12.3.4 TA-54-58

The Permittees shall treat the concrete berms and the base of the concrete pad with chemical-resistant epoxy filler-sealer and protective coating, providing an impervious seal to contain any potential leaks, spills, or accumulation of precipitation. The Permittees shall maintain the chemical-resistant epoxy and protective coating in accordance with Permit Section 3.7.1 and the manufacturer's specifications.

3.12.3.5 TA-54-39 and Containment Pad

3.12.3.5.i Room 101

The Permittees shall treat the curb and floor of this 878 square foot room with chemicalresistant epoxy filler-sealer and protective coating, providing an impervious seal to contain any potential leaks, spills, or accumulation of precipitation. The Permittees shall maintain the chemical-resistant epoxy and protective coating in accordance with Permit Section 3.7.1 and the manufacturer's specifications.

3.12.3.5.ii Containment Pad

The Permittees shall treat the concrete floor and curb with chemical-resistant epoxy fillersealer and protective coating, providing an impervious seal to contain any potential leaks, spills, or accumulation of precipitation. The Permittees shall maintain the chemicalresistant epoxy and protective coating in accordance with Permit Section 3.7.1 and the manufacturer's specifications.

3.12.3.6 Storage Sheds 144, 145, 146, and 177

The Permittees shall ensure the interior of each shed and sump is treated with chemicallyresistant epoxy paint. The Permittees shall maintain the chemically-resistant epoxy paint in accordance with Permit Section 3.7.1 of this Permit Part and the manufacturer's specifications.

3.13 TA-55 CONTAINER STORAGE REQUIREMENTS

3.13.1 General Operating Conditions

The Permittees shall ensure that storage of hazardous or mixed waste in containers at TA-55 occurs only in the permitted units <u>B13</u>, B45, B40, B05, <u>G12</u>, K13, the vault located at TA-55-4, <u>TA-55-0355 Pad</u> and the outdoor container storage pad located northwest of TA-55-4, and as identified in Attachment A (*Technical Area Unit Descriptions*) and Attachment J (*Hazardous Waste Management Units*).

ATTACHMENT A

TECHNICAL AREA (TA) - UNIT DESCRIPTIONS

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A.5 TA-55

TA-55 is located in the north central portion of Los Alamos National Laboratory on a mesa between a branch of Mortandad Canyon on the north and Two Mile Canyon on the south (*see* Figure 38 in Attachment N (*Figures*)). TA-55 is a plutonium processing facility, which began operating in 1978. Hazardous and mixed waste container storage at TA-55 is conducted at seven permitted units. These permitted units are identified as B40, B05, K13, B45, <u>B13 and G12</u>, the Vault, and the Container Storage Pad and the 55-0355 Pad. The B05 and, B45 permitted units are used to store containers with only non-liquid bearing waste (*i.e.*, solid form). These permitted units all reside in a building; therefore, run-on and run-off from storm events are not applicable. In the event of a water leak from facility systems, the TA-55-4 basement has sumps to contain the liquid. <u>The Outdoor Storage Pad and the 55-0355 Pad are outdoor units</u>, no free liquids will be stored at these units and containers will be stored in accordance with Permit Section 3.5.1.

A.5.1 B40

The B40 permitted unit is used to store containers of hazardous and mixed waste that may contain liquids. B40 is located in the southwest section of the TA-55-4 basement, as shown on Figure 40 in Attachment N (*Figures*). The permitted unit is L-shaped and has long dimensions of 61.5 by 55 feet (ft). The maximum storage capacity of this unit is 21,500 gallons (gal), the equivalent of 391 55-gal drums. The types of waste containers holding hazardous or mixed waste that are stored in B40 include: 5-, 10-, 12-, 15-, 30-, 55-, and 85-gal drums; large waste boxes; special order waste boxes; and standard waste boxes (SWB).

A.5.2 B05

The B05 permitted unit is used to store containers of hazardous and mixed waste that do not contain liquids. B05 is located in the southwest section of the TA-55-4 basement, as shown in Figure 42 in Attachment N (*Figures*). The permitted unit is rectangular shaped and is 26 ft long by 10 ft wide. The maximum storage capacity of this unit is 3,600 gal, the equivalent of 66 55-gal drums. The types of waste containers holding hazardous or mixed waste that will be stored in B05 include 30-, 55-, and 85-gal drums, large waste boxes; and SWBs.

A.5.3 K13

The K13 permitted unit is used to store containers of hazardous and mixed waste that may contain liquids. K13 is located in the northwest section of the TA-55-4 basement, as shown on Figure 41 in Attachment N (*Figures*). The permitted unit is rectangular shaped and is 12 ft long by 13 ft wide. The maximum storage capacity of this unit is 2,500 gal, the equivalent of 46 55-gal drums. The types of waste containers holding hazardous or mixed waste that will be stored in K13 include: 0.25-, 0.5-, 0.75-, 1-, 2-, 4-, and 6-liter/quart containers; 5-, 10-, 12-, and 15-gal containers; 30-, 55-, and 85-gal drums; and large waste boxes.

A.5.4 B45

The B45 permitted unit is used to store containers of hazardous and mixed waste that do not contain liquids. B45 is located in the northeast section of the TA-55-4 basement, as shown on Figure 43 in Attachment N (*Figures*). The permitted unit is rectangular shaped and is 45 ft long by 17.5 ft wide. The maximum storage capacity of this unit is 11,000 gal, the equivalent of 200 55-gal drums. The types of waste containers holding hazardous or mixed waste that will be stored in B45 include: 5-, 10-, 12-, and 15-gal containers; 55- and 85-gal drums; large waste boxes; and SWBs.

<u>A.5.5 B13</u>

The B13 permitted unit is used to store containers of hazardous and mixed waste that do not contain liquids; therefore, no secondary containment or safety showers are present in B13. B13 is located in the northwest corner of the TA-55-4 basement, as shown on Figure 57 in Attachment N (*Figures*). This permitted unit is approximately 8 ft. high, 17 ft. 6 in. wide and 28 ft. 4 in. long. The maximum storage capacity of this unit is 4,950 gal. The types of waste containers holding hazardous or mixed waste that will be stored in B13 include: 30-, 55-, 85- gal. drums and SWBs.

<u>A.5.6 G12</u>

The G12 permitted unit is used to store containers of hazardous and mixed waste that do not contain liquids; therefore, no secondary containment or safety showers are present in G12. G12 is located in the northwest corner of the TA-55-4 basement, as shown on Figure 58 of Attachment N (*Figures*). This permitted unit is irregularly shaped (dimensions shown in Figure 58) with walls and ceilings that consist of chain link fencing. The maximum storage capacity of this unit is 5,225 gal. The types of waste containers holding hazardous or mixed waste that will be stored in G12 include: 30-, 55-, 85- gal drums; and SWBs.

A.5.5<u>A.5.7</u> Vault

The Vault permitted unit is used to store containers of mixed waste that may contain liquids. The Vault is located along the eastern wall of the basement at TA-55-4, as shown on Figure 42 in Attachment N (*Figures*) and is approximately 79.5 ft long by 50.5 ft wide. The maximum storage capacity of this unit is 4,000 gal, the equivalent of approximately 73 55-gal drums. The types of waste containers holding mixed waste that will be stored in the Vault include: 0.25-, 0.5-, 0.75-, 1-, 2-, 4-, and 6-liter/quart containers; and 5-, 10-, 12-, 15-, 30- and 55-gal drums.

A.5.6<u>A.5.8</u>Outdoor Storage Pad

The Container Storage Pad is used to store containers of hazardous and mixed waste that may contain liquids. The pad is located outside and south southwest of TA-55-4, as shown on Figures 39 and 45 in Attachment N (*Figures*). It was installed in the mid-1980s and is constructed of asphaltic-concrete with a variable thickness of 4 to 6 inches (in.). The Container Storage Pad permitted unit is shaped like a trapezoid and measures 102 ft, 86 ft, 156 ft, and 105 ft. The pad is sloped, is elevated 2 to 4 in. above ground level, and has a culvert beneath the pad running from the northwest side to the southeast corner to minimize run-on of

precipitation. The storage capacity of this area is 135,000 gal, the equivalent of approximately 2,455 55-gal drums. The types of waste containers holding hazardous or mixed waste that will be stored on the container storage pad include: 0.25-, 0.5-, 0.75-, 1-, 2-, 4-, and 6-liter/quart containers; 30-, 55-, and 85-gal drums; SWBs; large waste boxes; and 5-, 10-, 12-, and 15-gal containers.

A.5.9 TA-55-0355 Pad

The TA-55-0355 Pad will be used to store containers of hazardous and mixed hazardous waste that do not contain liquids. The TA-55-355 Pad is located outside and south of the Outdoor Storage Pad and TA-55-4, as shown on Figure 59 in Attachment N (*Figures*). It is a concrete pad with a variable thickness of 4 to 6 inches and dimensions of 130 ft. long and 115 ft. wide. The pad also includes a steel roof structure with dimensions of approximately 93ft. long and 63 ft. wide. The pad has a slope of 1/8 inch per ft, sloping from north to south. The apron around the pad gently slopes away from the concrete pad that is under the canopy. Site drainage allows rain water to flow away from the pad. The unit boundary is approximately 130 ft long and 103 ft wide. Two walls with roll up doors for wind prevention are located on the south and west sides of the canopy. The maximum storage capacity on the pad will be 84,370 gallon (gal), the equivalent of approximately 1,534 - 55-gal drums. A mobile HENC system, three safes for the storage of calibration sources, and miscellaneous support equipment are currently located on the pad.

The TA-55-0355 Pad consists of one waste management unit that will provide storage in containers for hazardous waste or mixed waste. The types of waste containers holding hazardous or mixed waste that will be stored on the container storage pad includes: 30-, 55-, and 85- gal drums; standard waste boxes (SWBs); and large waste boxes.

A.5.7<u>A.5.10</u> Mixed Waste Storage Tank System

There is one storage tank unit at TA-55 that is comprised of two tank components, the evaporator glovebox tank and the stabilization unit pencil tanks. The two tank components share a common piping and pumping system.

The evaporator glovebox tank was constructed in 1986. The stabilization unit pencil tanks were constructed in 1985, installed from 1987-88, and were considered existing tanks until new components were installed in 1996. These new components were determined to be a major, non-routine modification; therefore, the stabilization unit pencil tanks are subject to the new tank system regulations and are addressed as new tanks in accordance with the requirements of 40 CFR § 264.192, which is incorporated herein by reference.

The TA-55 storage tank unit is located at TA-55, Building 4, in Room 401 and has a maximum capacity of 560 Liters (L) (137 gallons [gal]). The storage tank system consists of two components, with six tanks, that are used to store evaporator bottoms solutions prior to stabilization.

Liquid waste comes primarily from the evaporator as evaporator bottoms in approximately 25-L batches. Unrecyclable evaporator distillate waste (corrosive only) is also cemented when

ATTACHMENT B

PART A APPLICATION

EPA ID Number |N|M|0|8|9|0|0|1|0|5|1|5|

5. Other Environm	enta	l Pe	ermi	ts										
A. Facility Type (Enter code)	B. Permit Number												C. Description	
National Pollutant D	isch	arge	ə Eli	imin	atio	n Sy	rstei	n (l	NPD	ES)):			
NPDES Constructio	n Ge	ener	al P	erm	nit:									
Ν	Ν	Μ	R	1	2	А	-	-	-					NPDES Construction General Permit coverage for various individual construction projects: NMR120000
Industrial Point Sou	rce F	Pern	nit:											
Ν	Ν	Μ	0	0	2	8	3	5	5					NPDES Industrial Point Source Discharge
NPDES Storm Wate	er Mu	ulti-S	Sect	or C	Sene	eral	Peri	nit	(MS	GP) foi	r Ind	usti	rial Activities
Ν	Ν	М	R	0	5	С 3	₿ 1	2 9	1 5					NPDES MSGP
NPDES Storm Wate	er Ind	divid	lual	Per	mit									
Ν	Ν	Μ	0	0	3	0	7	5	9					NPDES LANL Storm Water Individual Permit
NPDES Pesticides	Gene	eral	Per	mit										•
Ν	Ν	Μ	G	8	7	Α	0	4	1					NPDES Pesticides General Permit (PGP) for discharges from te application of pesticides
Resource Conserva	tion	ana	l Re	cov	ery ,	Act	RC	RA)	:					
R	Ν	Μ	0	8	9	0	0	1	0	5	1	5		RCRA Hazardous Waste Facility Permit
Groundwater Discha	arge	Pla	ns (GDI	P):									
E	D	Ρ	-	8	5	7								TA-46 SWWS Plant and TA-3 Sanitary Effluent Reclamation Facility (SERF), Approved July 1992, Discharge Permit Renewal Application, July 2010 (NMED Renewal Pending)
E	D	Ρ	-	1	1	3	2							TA-50 Radioactive Liquid Waste Treatment Facility, Discharge Permit Application, February 2012 (NMED approval pending)
E	D	Ρ	-	1	5	8	9							EightTwelve (812) Domestic Septic Tank/Leachfield Systems, Discharge Permit Application, June 2010 (NMED approval pending). Permit issued July 2015
E	D	Ρ	-	1	7	9	3							On-Site Treatment and Land Application of Groundwater, Discharge Permit Application, December 2011 <u>. (NMED approval pending) Permit</u> issued July 2015.
<u>E</u>	D	<u>P</u>	Ξ	<u>1</u>	<u>8</u>	<u>3</u>	<u>5</u>							Injection of Treated Ground Water into the Regional Aquifer Through Six (6) Class V Underground Injection Control (UIC) Wells. Application Date: April 2015. Permit issued August 2016.
Clean Water Act Se	ctior	n 40	4 D	redg	ge a	nd F	ill P	erm	nits	with	U.S	S. Ar	тy	
E	N	W	Ρ	-	4	3								Water Canyon West Jemez road Storm Drain Controls. Project complete but subject to special monitoring conditions- 5 year monitoring.
E	Ν	W	Ρ	-	3	8								Sandia Canyon TA-72 Stormwater Controls. Project not yet complete and subject to 5 years of monitoring.
Е	N	W	Ρ	-	3	8								Sandia Canyon Wetland (Grade Control Structure). Project complete but subject to special monitoring conditions- 5 year monitoring.
E	Ν	W	Ρ	-	4	3								Pueblo Grade Control Spurs and E060.1 Gage Revitalization.
E	N	W	Ρ	-	0 1	8								Section 404 Nationwide Permit 18 – Minor Discharges for various individually approved construction projects including NM Certification (2012)
Е	N	W	Ρ	-	3	3								Section 404 Nationwide Permit 33 – Temporary Construction, Access and Dewatering for various individually approved construction projects including NM Certification (2012)

		A. Process			3 Item 7 (shown in line number X-1 below): A faci B. PROCESS DESIGN CAPACIT										
Liı Num	ne Iber	Code				C. Process Total Number of Units		For Official Use Only							
		(From	n list ab	ove)	(1) Amount (Specify)	(2) Unit of Measure				1					
x	1	S	0	2	533.788	G	001								
					Technical Area 55										
	1	S	0	1	177,600<u>272,145</u>	G	00 <u>9</u> 6								
	2	S	0	2	137	G	001								
	3														
	4														
	5														
	6														
	7														
	8														
	9														
1	0														
1	1														
1	2														
1	3 e: If vo	ou nee	d to li	ist mo	re than 13 process codes, attach an additional	sheet(s) with the in	formation in the sa	ame f	orma	t as a	bove.	Nur	nb		
1 Note	e: If yo lines s	sequei	ntially	, takir	re than 13 process codes, attach an additional Ig into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an	other" process (i.e.	, D99, S99, T04 and	ame f d X99	iorma) in It	t as a em 8.	bove.	Nun	nb		
1 Note the 1 8.	e: If yo lines s	sequei Proce	ntially sses	, takir (Follo	g into account any lines that will be used for "	other" process (i.e.	, D99, S99, T04 and es)	ame f d X99)) in It	em 8.			nb		
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1 Note the 8. (Nur (Ente sequ	e: If your second secon	Proce	ntially sses rocess	, <i>takir</i> (Follo Code	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY	'other" process (i.e. nd X99 process code (2) Unit of	, D99, S99, T04 and es) C. Process Total	ame f d X99)) in It	em 8.			nb		
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1 Note the 8. Li Nur (Ente sequ with	e: If your interview of the second se	Proce A. Pr (Fro T	rocess m list at	r, takir (Follo Code pove) 4	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	fother" process (i.e. ad X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99)) in It	em 8.			nb		
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1 Note the 8. Li Nur (Ente sequ with	e: If your interview of the second se	Proce A. Pr (Fro T	rocess m list at	r, takir (Follo Code pove) 4	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	fother" process (i.e. ad X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99)) in It	em 8.					
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1 Note the 8. Li Nur (Ente sequ with	e: If your interview of the second se	Proce A. Pr (Fro T	rocess m list at	r, takir (Follo Code pove) 4	ng into account any lines that will be used for " w instructions from Item 7 for D99, S99, T04 an B. PROCESS DESIGN CAPACITY (1) Amount (Specify) 100.00	fother" process (i.e. ad X99 process code (2) Unit of Measure U	, D99, S99, T04 and es) C. Process Total Number of Units 001	ame f d X99)) in It	em 8.					

7. Process Codes and Design Capacities (Continued)

ATTACHMENT D CONTINGENCY PLAN

LIST OF TABLES

TABLE NO.

TITLE

D-1	Los Alamos National Laboratory-Wide Emergency Equipment
D-2	Waste Analysis Parameters and Test Methods
D-3	Evacuation Determination and Reentry Conditions
TA-3, D-1	TA-3 Emergency Equipment
TA-50, D-1	TA-50 Emergency Equipment
TA-54, D-1	TA-54 Area L Emergency Equipment
TA-54, D-2	TA-54 Area G Emergency Equipment
TA-54, D-3	TA-54 West Emergency Equipment
TA-55, D-1	TA-55 Building 4, First Floor Emergency Equipment
TA-55, D-2	TA-55 Building 4 Basement Emergency Equipment
TA-55, D-3	TA-55 Container Storage Pad Emergency Equipment
TA-55 D-4	TA-55-0355 Pad Emergency Equipment
TA-55, D-4	TA-55 Transuranic Waste Facility Emergency Equipment

Emergency Management Coordinator, who will coordinate necessary emergency actions throughout the county.

D.1.7.3 Los Alamos Medical Center

The Facility maintains a fully equipped decontamination room adjacent to the emergency room at LAMC. In the event that a case is sent to LAMC, support for the emergency room staff is provided by Facility occupational medical personnel. Radiation protection, industrial hygiene, and HAZMAT personnel also provide assistance to the emergency room staff; assistance from additional Facility resources is provided, as necessary. Assistance is coordinated through SEO-3:EM personnel.

D.2 EMERGENCY EQUIPMENT AND COMMUNICATIONS

D.2.1 Emergency Equipment

The Permittees shall make available the lists of emergency equipment listed in Table D-1 for use at any of Permittees' hazardous or mixed waste management units. The list includes emergency equipment available in the HAZMAT vehicles and trailers as well as supplemental emergency equipment maintained by the LAFD, Maintenance Site Services, and occupational medicine personnel. A list of emergency equipment available for use at specific hazardous and/or mixed waste management units is identified in Attachment Tables TA-3, D-1; TA-50, D-1; TA-54, Area L, D-1; TA-54, Area G, D-2; TA-54 West, D-3; TA-55 Building 4 First Floor, D-1; TA-55 Building 4 Basement, D-2; TA-55 Container Storage Pad, D-3; TA-55-0355 Pad, D-4; and TA-63 Transuranic Waste Facility, D-4. Emergency equipment listed in these tables may be replaced and/or upgraded with functionally equivalent components and equipment, as necessary, for routine maintenance and repair.

D.2.2 Emergency Communications

The initial phase of an emergency may involve a small number of individuals at the affected area and that requires notification of the SEO-3:EM Duty Officer, utilizing local communication equipment and/or systems. When responding to hazardous and/or mixed waste emergencies, the Permittees shall ensure that SEO-3:EM personnel can provide communications between response units and emergency organizations.

D.2.2.1 Fire Alarms

Fire alarms are monitored 24 hours per day by trained personnel in the EOSC. Both the primary and backup buildings where the monitoring takes place have emergency power systems. The SEO-3:EM Duty Officer is notified when there is confirmed fire or smoke via the Los Alamos County Consolidated Dispatch Center.

mixed waste that present a potential threat to human health or the environment, as listed in Attachment Section D.3.1, require implementation of this Plan.

2. Hazardous and mixed wastes are stored on site at the Facility in a variety of containers. The general steps in handling hazardous and/or mixed waste spills are as follows:

- 1. Isolate the immediate area and deny entry to all unauthorized personnel;
- 2. Contain the spill by spreading sorbents or forming temporary dikes to prevent further migration (performed by properly trained personnel, if safe);
- 3. Monitor the spill area and sample the spilled waste and contaminated media.
- 4. Package the waste and contaminated media in sound containers;
- 5. Decontaminate the area and all involved equipment and personnel (followed by testing to assure adequate cleanup); and
- 6. Remove the waste and contaminated media (performed by appropriate waste management personnel).

3. The IC will determine the steps to be taken for spill mitigation. If initial mitigation of the spill is necessary and can be accomplished safely (by appropriately trained personnel) before the Emergency Manager arrives, a qualified member of the affected area's operating group will serve as the Facility Command Leader.

4. The Permittees shall ensure that hazardous and/or mixed waste spills are stabilized and cleaned up. During spill control and cleanup, all personnel shall wear appropriate personal protective equipment (PPE). Monitoring will be conducted to ensure that chemical and, as appropriate, radiological exposure is minimized. The collected material may be treated as hazardous or mixed waste, depending on the components present. Runoff from spills of listed hazardous or mixed waste that have migrated outside hazardous waste management areas must be contained and managed as hazardous or mixed waste, as appropriate. If the spill was from a characteristic hazardous or mixed waste and if it is determined by analysis that the runoff does not exhibit the characteristic (*i.e.*, ignitability, corrosivity, reactivity, and/or toxicity), the runoff need not be managed as characteristic waste. Temporary dikes may be constructed to contain runoff.

D.4.1 Spill Control Procedures

When a flammable organic solvent spill, a highly acidic spill, or a highly caustic spill has been stabilized with the contents of an organic solvent spill kit, an acid spill kit, or a caustic spill kit, respectively, the resulting material may be sorbed using a nonbiodegradable sorbent. Nonbiodegradable sorbent can be used to control any spill if it is known to be compatible with the spilled material. Appropriate containers or packaging shall be used to collect all spilled material and contaminated sorbent. Attachment Tables TA-3, D-1; TA-50, D-1; TA-54, Area L, D-1; TA-54, Area G, D-2; TA-54 West, D-3; TA-55 Building 4 First Floor, D-1; TA-55 Building 4 Basement, D-2; TA-55 Container Storage Pad, D-3; <u>TA-55-0355 Pad, D-4;</u> and TA-63 Transuranic Waste Facility, D-4 list emergency equipment available for spill control at specific units. The ultimate disposition of any contaminated sorbent or waste material shall be

TABLE D-2

TA-55 Building 4 Basement

Emergency Equipment

FIRE CONTROL EQUIPMENT

Halon, dry chemical, and/or carbon dioxide fire extinguishers are available near B40, B05, K13, B45, <u>B13, G12</u> and the Vault.

Description of General Capabilities:

The fire extinguishers are portable, manually-operated units and can be used by any employee in case of fire.

Fire alarm pull boxes are located at B05, K13, B45, the Vault, and on each side of the fire door.

Description of General Capabilities:

Fire alarms can be activated by any employee in the event of fire to notify the Central Alarm System.

An automatic fire suppression sprinkler system is located throughout the basement at TA-55-4, including the Vault and the office and corridor associated with the Vault.

Fire hydrants are located outdoors on the north, south, and west sides of TA-55-4.

SPILL CONTROL EQUIPMENT

Self-containment pallets or cabinets are provided for containers of liquid and/or potentially liquid-bearing wastes stored at B40, K13, and the Vault.

COMMUNICATION EQUIPMENT

Telephones and intercom stations are located throughout the basement of TA-55-4. The telephones are capable of handling both incoming and outgoing calls. The intercom system is connected to the TA-55-4 Operations Center and allows the Operations Center to easily mobilize emergency response support.

Two-way radios are available from the TA-55 Operations Center located at TA-55, Building 0004, room 218, for personnel working in the basement at TA-55-4.

Personal pagers are issued to and carried by assigned personnel working in the basement of TA-55-4. These pagers are accessed by telephone.

Alarms at TA-55-4:

The fire alarm is an area-wide whooping sound.

TABLE D-4

TA-55-0355 Pad

Emergency Equipment

FIRE CONTROL EQUIPMENT

Four ABC rated fire extinguishers are located at the TA-55-0355 Pad. An ABC rated fire extinguisher is located in each vehicle used to transport waste containers to the unit.

Description of General Capabilities:

Portable and manually operated fire extinguishers may be used by any qualified employee in the event of a small fire. For larger fires, the Los Alamos Fire Department (LAFD) is alerted and requested to respond.

COMMUNICATION EQUIPMENT

A telephone is located on the north side of the TA-55-0355 Pad and within the High Energy Neutron Counter (HENC) unit. The facilities public address (PA) system can be heard from the TA-55-0355 Pad.

Description of General Capabilities:

A telephone for internal and external communication is available for use by any employee. Employees can be notified of an emergency situation and appropriate response action through the PA system.

No fire alarm pull station is located at the TA-55-0355 Pad. The nearest fire alarm pull box is located outside of PF-4 on the south dock. In case of a fire, notification will be made via telephone.

Description of General Capabilities:

Manually-operated fire alarms may be activated by any employee in the event of a fire to alert site personnel, LANL Emergency Response Personnel, and the LAFD.

Fire and PA system alarms are located throughout the facility.

Description of General Capabilities:

The fire and PA system are activated or used to provide a sound signal to alert personnel of fires or the need to clear the area.

DECONTAMINATION EQUIPMENT

An eyewash station and any applicable Safety Data Sheets (SDSs) are available at the TA-55-0355 Pad or at the Operation Support Building. SDS information is maintained where appropriate for personnel accessibility and is used for chemicals that will be needed to support operations or emergency activities.

Description of General Capabilities:

The eyewash may be used by personnel who receive a chemical splash to the eyes. Specific SDSs should be reviewed prior to working with chemicals. No free liquids will be stored on the Pad.

PERSONAL PROTECTIVE EQUIPMENT

Personnel at the TA-55-0355 Pad will be required to use appropriate PPE to protect themselves from hazards found under normal conditions. This PPE may include gloves, steel toe shoes, and eye protection. Additional PPE may be required during unusual hazardous situations. First aid kits and hearing protection will also be available.

Description of General Capabilities:

To prevent undue exposure of personnel to hazardous or mixed waste, PPE appropriate for the waste containers being managed will be worn by all on-site personnel at the TA-55-0355 Pad. First aid kits are available and may be used by personnel who sustain minor injuries at the unit in the course of operations. Hearing protection may be used by operations personnel to mitigate noise impacts.

OTHER:

If transportation is needed for evacuation, vehicles may be obtained through the Emergency Management and Response Group.

ATTACHMENT J

HAZARDOUS WASTE MANAGEMENT UNITS

Unit Identifier	Process Codes	Operating Capacity	General Information	Type of Unit
			Total square footage – 4,060	
TA-54-38 West Outdoor Pad	S01	29,160 gal	Includes loading dock and Pad surrounding Total square footage – 37,900	Outdoor (not associated with a regulated unit)
TA-54-38 West Outdoor Pad	S01	13,410 gal	Excess storage capacityOutdoor (associated a regulated	
TA-55-4, B40	S01	21,500 gal	Located in basement Referred to as Area 1 Total square footage – 3,380	Indoor
TA-55-4, K13	S01	2,500 gal	Located in basement Referred to as Area 4 Total square footage - 208	Indoor
TA-55-4, B05	S01	3,600 gal	alLocated in basementIndeReferred to as Area 5Non-liquid wastes onlyTotal square footage - 260	
TA-55-4, B45	S01	11,000 gal	gal Located in basement Indoo Non-liquid wastes only Total square footage - 788	
<u>TA-55-4, B13</u>	<u>S01</u>	<u>4,950 gal</u>	<u>Located in basement</u> <u>Non-liquid wastes only</u> <u>Total square footage – 495.83</u>	<u>Indoor</u>
<u>TA-55-4, G12</u>	<u>S01</u>	<u>5,225 gal</u>	<u>Located in basement</u> <u>Non-liquid wastes only</u> <u>Total square footage – 512.98</u>	<u>Indoor</u>
TA-55-4, Vault	S01	4,000 gal	Located in basement	Indoor

Unit Identifier	Process Codes	Operating Capacity	General Information	Type of Unit
			Referred to as Area 6 Total square footage – 4,020	
TA-55-4-401 Mixed Waste Storage Tank Unit	S02	Storage - 137 gal	TA-55-4 Room 401 Unit divided into two components (Evaporator Glovebox Storage Tank System and Cementation Storage Tank System) Total square footage – 4,500	Indoor
TA-55-4-401 Mixed Waste Stabilization Unit	Т04	Treatment - 150 gal / day	TA-55-4 Room 401 Total square footage – 4,500	Indoor
TA-55-4 Outdoor Pad	S01	135,000 gal	Located outside and west of TA-55-4 Includes building TA-55-PF- 190 Total square footage – 11,100	Outdoor (not associated with a regulated unit)
<u>TA-55-355 Pad</u>	<u>S01</u>	<u>84,370 gal</u>	Includes canopy and pad Total square footage – 13,390	Outdoor (not associated with a regulated unit
TA-63 Transuranic Waste Facility	S01	105,875 gal	Includes TA-63-0149 through 0153 Storage Buildings, TA- 63-0154 Storage and Characterization Building, TA-63-0155 through 0157 Characterization Trailers, and Outside Storage Pad Total square footage—79,239	Outdoor (not associated with a regulated unit)

ATTACHMENT N

FIGURES

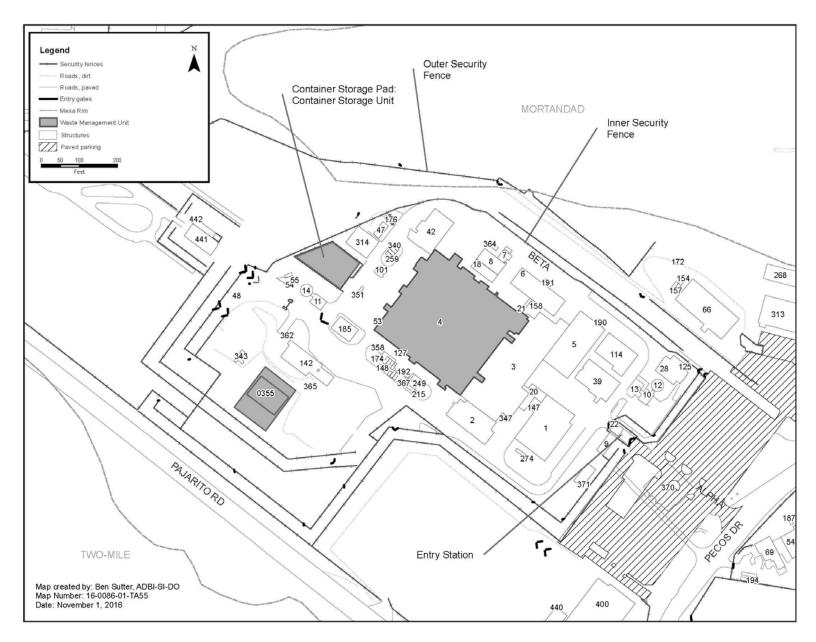


Figure 10 Technical Area (TA) 55 Location Map Showing Security Fences, Entry Gates, Entry Stations

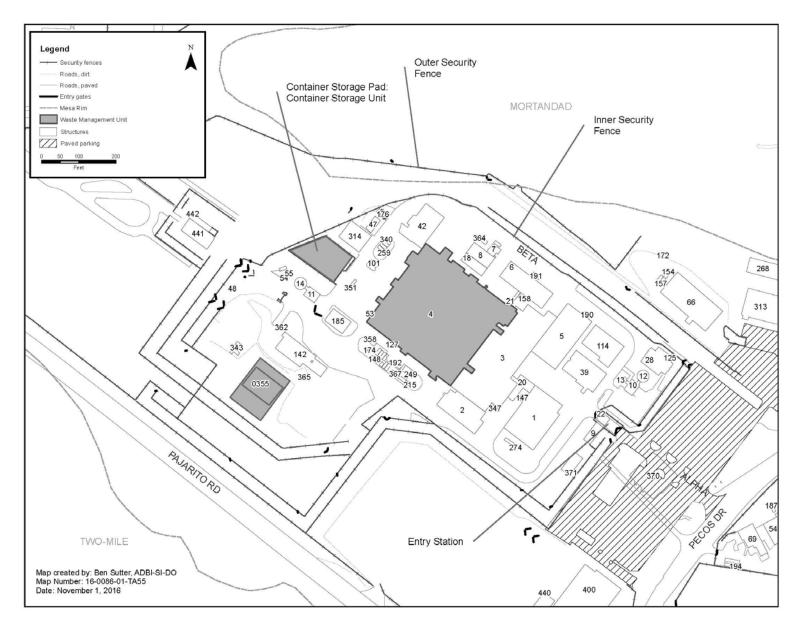


Figure 39 Technical Area (TA) 55, Building 4 Location Map

Figure 57 – TA-55, Building 4, Room B13

UCNI

LOS ALAMOS NATIONAL LABORATORY

THIS FIGURE CONTAINS UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION (UCNI) AS DEFINED BY SECTION 148 OF THE ATOMIC ENERGY ACT

Figure 58 – TA-55, Building 4, Room G12

UCNI

LOS ALAMOS NATIONAL LABORATORY

THIS FIGURE CONTAINS UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION (UCNI) AS DEFINED BY SECTION 148 OF THE ATOMIC ENERGY ACT

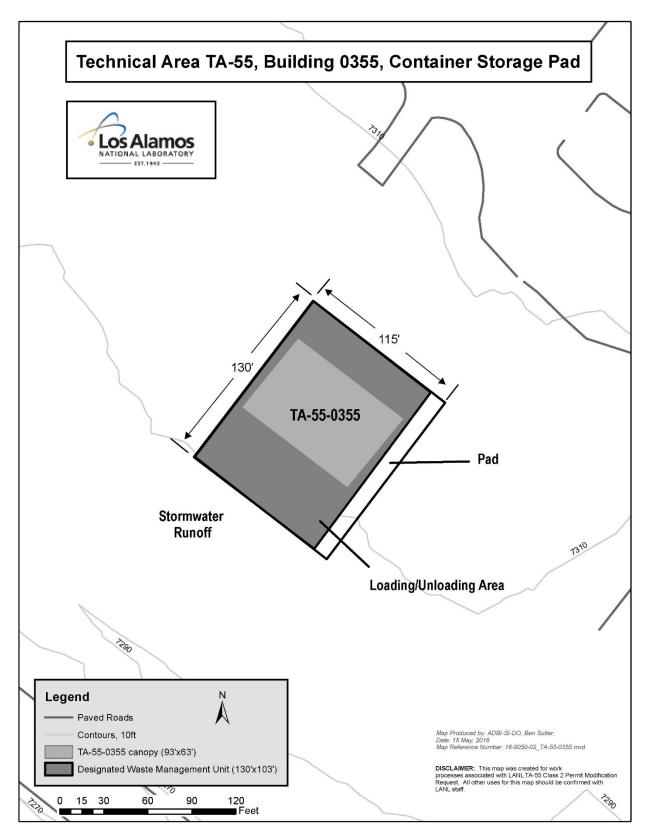


Figure 59 Technical Area (TA)-55-355 Pad

ATTACHMENT D TA-55 CLOSURE PLANS ATTACHMENT D TA-55 CLOSURE PLANS

ATTACHMENT G.25 TECHNICAL AREA 55, BUILDING 0355 PAD CLOSURE PLAN

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1.0 INTRODUCTION	1
2.0 DESCRIPTION OF UNIT TO BE CLOSED	1
3.0 ESTIMATE OF MAXIMUM WASTE STORED	1
4.0 GENERAL CLOSURE INFORMATION	1
4.1 Closure Performance Standard	2
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G.25-1 Technical Area 55-0355 Pad, Sampling and Additional Sampling Locations

1.0 INTRODUCTION

This closure plan describes the activities necessary to close the outdoor hazardous waste container storage unit at the Technical Area 55-0355 Pad at the Los Alamos National Laboratory (Facility), hereinafter referred to as the permitted unit. The information provided in this closure plan addresses the closure requirements specified in Permit Part 9 and the Code of Federal Regulations (CFR), Title 40, Part 264, Subparts G and I for hazardous waste container storage at the Facility under the Resource Conservation and Recovery Act (RCRA) and the New Mexico Hazardous Waste Act.

Until closure is complete and has been certified in accordance with Permit Section 9.5, a copy of the approved closure plan or the hazardous waste facility permit containing the plan, any approved revisions, and closure activity documentation associated with the closure will be on file with hazardous waste compliance personnel at the Facility and at the U.S. Department of Energy (DOE) Los Alamos Site Office. Prior to closure of the permitted unit, this closure plan may be amended in accordance with Permit Section 9.4.8, as necessary and appropriate, to provide updated sampling and analysis plans and to incorporate updated decontamination technologies. Amended closure plans shall be submitted to the New Mexico Environment Department (Department) for approval prior to implementing closure activities.

2.0 DESCRIPTION OF UNIT TO BE CLOSED

A specific description of the permitted unit can be found in Permit Attachment A (*Technical Area Unit Descriptions*). Additional features and equipment located at the permitted unit and not discussed elsewhere within the Permit are described below.

The TA-55-0355 Pad is located outside and south of the pad and TA-55-4. It is a concrete pad with a variable thickness of 4 to 6 inches, a steel roof structure with dimensions of approximately 93ft long and 63 ft wide. Two walls with roll up doors for wind prevention are located on the south and west sides of the canopy. The permitted unit boundary is approximately 130 ft long and 103 ft wide.

The TA-55-0355 Pad consists of one hazardous waste management unit that provides storage in containers for hazardous waste, including the hazardous component of mixed transuranic waste and potentially, mixed low-level waste streams. The TA-55-0355 Pad may also manage hazardous-only waste streams generated on site. A mobile High Efficiency Neutron Counter (HENC) system, three safes for the storage of calibration sources, and miscellaneous support equipment are currently located on the Pad.

Permit Part 3 (*Storage in Containers*), Permit Attachment A (*Technical Area Unit Descriptions*), Permit Attachment B (*Part A Application*), and Permit Attachment C (*Waste Analysis Plan*) include further information about waste management procedures and hazardous waste constituents stored at the permitted unit.

3.0 ESTIMATE OF MAXIMUM WASTE STORED

To date, no hazardous waste has been stored at the permitted unit. Throughout the life of this Permit, it is estimated that 1,000 cubic meters of waste will be stored in the permitted unit.

4.0 GENERAL CLOSURE INFORMATION

4.1 Closure Performance Standard

As required by Permit Section 9.2, the permitted unit will be closed to meet the following performance standards:

- a. remove all hazardous waste residues and hazardous constituents; and
- b. ensure contaminated media do not contain concentrations of hazardous constituents greater than the clean-up levels established in accordance with Permit Sections 11.4 and 11.5. For soils the cleanup levels shall be established based on residential use. The Permittees must also demonstrate that there is no potential to contaminate groundwater.

If the Permittees are unable to achieve either of the clean closure standards above, they must:

- c. control hazardous waste residues, hazardous constituents, and, as applicable, contaminated media such that they do not exceed a total excess cancer risk of 10⁻⁵ for carcinogenic substances and, for non-carcinogenic substances, a target Hazard Index of 1.0 for human receptors, and meet Ecological Screening Levels established under Permit Section 11.5;
- d. minimize the need for further maintenance;
- e. control, minimize, or eliminate, to the extent necessary to protect human health and the environment, the post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated runoff, or hazardous waste decomposition products to the ground, groundwater, surface waters, or to the atmosphere; and
- f. comply with the closure requirements of Permit Part 9 (Closure) and 40 CFR Part 264 Subparts G and I for container storage units.

Closure of the unit will be deemed complete when: 1) all structures and related equipment have been decontaminated or otherwise properly disposed of; 2) closure has been certified by an independent, professional engineer licensed in the State of New Mexico; and 3) closure certification has been submitted to, and approved by, the Department.

4.2 Closure Schedule

This closure plan schedule is intended to address the closure requirements for the permitted unit within the authorized timeframe of the current Hazardous Waste Facility Permit (*see* Permit Section 9.4). The following section provides the schedule of closure activities (*see also* Table G.25-1 of this closure plan).

Notification of closure will occur at least 45 days before the Permittees expect to begin closure (*see* 40 CFR § 264.112(d)(1)) and closure activities will begin according to the requirements of 40 CFR § 264.112(d)(2). However, pursuant to 40 CFR §264.112(e), removing hazardous wastes and decontaminating or dismantling equipment in accordance with an approved closure plan may be conducted at any time before or after notification of closure. Notification of the structural assessment (assessment), as described in Section 5.2 of this closure plan, shall occur in accordance with Permit Section 9.4.6.2.

Within 90 days after the final receipt of hazardous waste, the permitted unit will be emptied of all stored waste. Within ten days of completing hazardous waste removal or within 100 days of the final receipt of hazardous waste, the Permittees will complete the records review (review) and assessment and submit an amended closure plan, if necessary, to the Department for review and approval as a permit modification in accordance with Permit Section 9.4.8. Upon approval of the modified closure plan, if applicable, the Permittees will decontaminate unit structures and related equipment.

After decontamination, soil sampling and decontamination verification sampling will be conducted to demonstrate that media and related equipment at the permitted unit meet the performance standards in Permit Section 9.2.

All closure activities, including submittal of a final closure certification report to the Department for review and approval, will be completed within 180 days after the final receipt of waste. In the event that closure of the permitted unit cannot proceed according to schedule, the Permittees will notify the Department in accordance with the extension request requirements in Permit Section 9.4.1.1.

5.0 CLOSURE PROCEDURES

Closure activities at the permitted unit will involve removal of hazardous wastes; proper management and disposal of hazardous waste residues and contaminated equipment associated with the permitted unit; and verification that the closure performance standards have been achieved. The following sections describe closure activities applicable to the permitted unit.

5.1 Removal of Waste

In accordance with Permit Section 9.4.2, all stored hazardous waste will be removed from the permitted unit scheduled for closure. Depending upon their size, containers will be removed with forklifts, container dollies, air pallets, or manually. Containers will be placed on flat bed trucks, trailers, or other appropriate vehicles for transport. Appropriate shipping documentation will accompany the wastes during transport. Containers holding hazardous waste will be moved to a permitted on-site storage unit or a permitted off-site treatment, storage, or disposal facility.

5.2 Records Review and Structural Assessment

After waste removal and before starting closure decontamination and sampling activities, the Facility Operating and Inspection Records for the permitted unit will be reviewed and an assessment will be conducted to determine any previous finding(s) or action(s) that may influence closure activities or potential sampling locations.

5.2.1 Records Review

The Facility Operating Record (including inspection records) shall be reviewed as outlined in Permit Section 9.4.6.1. The goals of the review will be to:

- a. confirm the specific hazardous waste constituents of concern; and
- b. confirm additional sampling locations (*e.g.*, locations of spills or chronic conditions identified in the records).

5.2.2 Structural Assessment

An assessment of the permitted unit's physical condition will be conducted in accordance with Permit Section 9.4.6.2. The assessment will include inspection of the concrete pad; metal canopy; and the floors, walls, and ceiling of the mobile HENC system for any existing cracks or conditions that indicate a potential for, or an actual, release of constituents. If a crack, gap, or stained area is present, the Permittees will amend this closure plan in order to update the sampling and analysis plan (SAP) (*see* Section 6.0 of this closure plan) to add these sampling locations and the applicable sampling methods and procedures. This inspection will be documented with photographs and drawings, as necessary.

5.3 Decontamination and Removal of Structures Equipment

In accordance with Permit Section 9.4.3, all remaining hazardous waste and hazardous waste residues will be removed from the permitted unit. The permitted unit's structures and equipment will be decontaminated, removed, or both and managed appropriately. All waste material will be controlled, handled, characterized, and disposed of in accordance with Permit Attachment C (*Waste Analysis Plan*) and Facility waste management procedures.

5.3.1 Removal of Structures and Related Equipment

All structures and related equipment that are removed will not require decontamination, will be considered solid and potentially hazardous waste (as defined by this Permit) when removed, and will be disposed of in accordance with Permit Section 9.4.5 and Section 7.0 of this closure plan. The entire concrete pad (including all materials associated with it such as any underlying base course or fill) will be removed after the structural assessment.

5.3.2 Decontamination of Structures and Related Equipment

All structures and equipment that will be reused by the Facility will be decontaminated in accordance with Permit Section 9.4.3.1. At this time there is no equipment that is expected to be reused; however, if equipment or structures are identified during the assessment they will be decontaminated in accordance with this section. Decontamination of structures and equipment will be steam cleaned using water or pressure washed with a solution consisting of a surfactant detergent (*e.g.*, Alconox[®]) and water. Portable berms, other devices (*e.g.*, absorbent socks, plastic sheeting, wading pools, existing secondary containment) will collect excess water and provide containment during the decontamination process.

5.3.3 Equipment Used During Decontamination Activities

Reusable protective clothing, tools, and equipment used during decontamination activities will be cleaned with a wash water solution. Residue, disposable equipment, and small reusable equipment that cannot be decontaminated will be containerized and managed as waste as summarized in Table G.25-2 and in accordance with Facility waste management procedures, depending on the regulated constituents present.

6.0 SAMPLING AND ANALYSIS PLAN

This SAP addresses the specific closure sampling and analysis requirements in Permit Section 9.4.7 and describes the sampling, analysis, and quality assurance/quality control (QA/QC) methods that will be used to demonstrate that the Permittees have met the closure performance standards outlined in Permit Section 9.2.

6.1 Soil Sampling and Decontamination Verification Wipe Sampling Activities

Soil sampling and decontamination verification wipe sampling activities will be conducted to verify that soils, structures, and related equipment at the permitted unit meet the closure performance standards in Permit Section 9.2. All samples will be collected and analyzed in accordance with the procedures in Sections 6.2, 6.3, and 6.4 of this closure plan.

One wipe sample will be collected from each piece of decontaminated equipment. In compliance with Permit Section 9.4.7.1.ii, this closure plan will ensure the collection of 27 soil samples from the following locations:

- a. Sampling within the known loading area as illustrated in Figure G.25-1 (see Permit Section 9.4.7.1.ii (1));
- b. one soil sample every 900 square feet of the permitted unit for a total of 6 samples (*see* Permit Section 9.4.7.1.ii (2)); and
- c. three samples to address stormwater runoff (see Permit Section 9.4.7.1.ii (3)).

Figure G.25-1 illustrates these sampling locations.

At the time of sampling, the precise locations of the grid samples will be randomly selected within each 900 square foot sampling box (*see* Figure G.25-1). These locations will be determined by applying a subgrid of potential sampling points and randomly choosing one. If the review or assessment determines the need to obtain additional samples collected within the area of the sampling box (*e.g.*, at concrete cracks), these sample collection locations will be in addition to the grid sample locations.

6.2 Sample Collection Procedures

Samples will be collected in accordance with the Permit Section 9.4.7.1 and the procedures identified in this incorporating guidance from the United States Environmental Protection Agency (USEPA) (EPA, 1986 and EPA, 2002), DOE (DOE, 1995), and other Department-approved procedures.

6.2.1 Soil and Sediment Sampling

Soil samples will be collected and analyzed to determine if hazardous constituents are present in the soil beneath the permitted unit. Soil samples will be collected using a spade, scoop, auger, or trowel or other equipment as specified in approved methods for the type of analytes and from appropriate depths as directed in Permit Section 9.4.7.1.ii (*i.e.*, EPA 1996 or 2002). Samples will be kept at their at-depth temperature or lower, protected from ultraviolet light, sealed tightly in the recommended container, and analyzed within the specific holding times listed in Table G.25-3.

6.2.2 Wipe Sampling

Surface wipe samples will be collected and analyzed to determine if residual hazardous constituents remain on the structures, surfaces, or related equipment at the permitted unit. Samples will be collected in accordance with the National Institute of Occupational Safety and Health (NIOSH) *Manual of Analytical Methods* (NIOSH, 1994). The appropriate wipe sample method will consider the type of surface being

sampled, the type of constituent being sampled for, the solution used, and the desired constituent concentration detection limit.

The NIOSH method includes wiping a 100 square centimeter area at each discrete location with a gauze wipe wetted with a liquid solution appropriate for the desired analysis (*e.g.*, deionized water for lead). For wipe sampling, guidance from the analytical laboratory must be obtained prior to wipe verification sampling to confirm that the solution chosen for each analysis is appropriate for the analysis to be conducted and that wipe sampling is a proper technique for the analysis.

6.2.3 Cleaning of Sampling Equipment

Reusable sampling equipment will be cleaned and rinsed prior to use. Sampling equipment rinsate blanks will be collected and analyzed only if reusable sampling equipment is used. Reusable decontamination equipment, including protective clothing and tools, used during closure activities will be scraped as necessary to remove residue and cleaned with a wash water solution. Sampling equipment will be cleaned prior to each use with a wash solution, rinsed several times with tap water, and air-dried to prevent cross-contamination of samples. A disposable sampler is considered clean if still in a factory-sealed wrapper.

6.3 Sample Management Procedures

The following sections provide a description of sample documentation, handling, preservation, storage, and sample packaging, and transportation requirements that will be followed during the sampling activities associated with the closure.

6.3.1 Sample Documentation

Sampling personnel will complete and maintain records to document sampling and analysis activities. Sample documentation will include sample identification numbers, chain-of-custody forms, analysis requested, sample logbooks detailing sample collection activities, and shipping forms (if necessary).

6.3.1.1 Chain-of-Custody

Chain-of-custody forms will be maintained by sampling personnel until the samples are relinquished to the analytical laboratory. This will ensure the integrity of the samples and provide for an accurate and defensible written record of the sampling possession and handling from the time of collection until laboratory analysis. One chain-of-custody form may be used to document all of the samples collected from a single sampling event. The sample collector will be responsible for the integrity of the samples collected until properly transferred to another person. The EPA considers a sample to be in a person's custody if it is:

- a. in a person's physical possession;
- b. in view of the person in possession; or
- c. secured by that person in a restricted access area to prevent tampering.

The sample collector will document all pertinent sample collection data. Individuals relinquishing or receiving custody of the samples will sign, date, and note the time on the analysis request and chain-of-

custody form. A chain-of-custody form must accompany all samples from collection through laboratory analysis. The analytical laboratory will return the completed chain-of-custody form to the Facility and it will become part of the permanent sampling record documenting the sampling efforts.

6.3.1.2 Sample Labels and Custody Seals

A sample label will be affixed to each sample container. The sample label will include the following information:

- a. a unique sample identification number;
- b. name of the sample collector;
- c. date and time of collection;
- d. type of preservatives used, if any; and
- e. location from which the sample was collected.

A custody seal will be placed on each sample container to detect unauthorized tampering with the samples. These labels must be initialed, dated, and affixed by the sample collector in such a manner that it is necessary to break the seal to open the container.

6.3.1.3 Sample Logbook

All pertinent information on the sampling effort must be recorded in a bound logbook. Information must be recorded in ink and any cross outs must be made with a single line with the change initialed and dated by the author. The sample logbook will include the following information:

- a. the sample location;
- b. suspected composition;
- c. sample identification number;
- d. volume/mass of sample taken;
- e. purpose of sampling;
- f. description of sample point and sampling methodology;
- g. date and time of collection;
- h. name of the sample collector;
- i. sample destination and how it will be transported;
- j. observations;

- k. name(s) of personnel responsible for the observations; and
- 1. any deviations and supporting information.

6.3.2 Sample Handling, Preservation, and Storage

Samples will be collected and containerized in appropriate pre-cleaned sample containers. Table G.25-3 presents the requirements in *SW-846* (EPA, 1986) for sample containers, preservation techniques, and holding times. Samples that require cooling to 4 degrees Celsius will be placed in a cooler with ice or ice gel or in a refrigerator immediately upon collection.

6.3.3 Packaging and Transportation of Samples

All packaging and transportation activities will meet safety expectations, QA requirements, DOE Orders, and relevant local, state, and federal laws (including 10 CFR and 49 CFR). Appropriate Facility documents establish the requirements for packaging design, testing, acquisition, acceptance, use, maintenance, and decommissioning and for on-site, intra-site, and off-site shipment preparation and transportation of general commodities, hazardous materials, substances, waste, and defense program materials.

Off-site transportation of samples will occur via private, contract, or common motor carrier, air carrier, or freight. All off-site transportation will be processed through the Facility packaging and transportation organization, unless the shipper is specifically authorized through formal documentation by that organization to independently tender shipments to common motor or air carriers.

6.4 Sample Analysis Requirements

Samples will be analyzed for all hazardous constituents listed in Appendix VIII of 40 CFR Part 261 and in Appendix IX of 40 CFR Part 264 that have been stored at the permitted unit over its operational history. Samples will be analyzed by an independent laboratory using the methods outlined in Table G.25-4. Analytes, test methods and instrumentation, target detection limits, and rationale for metals and organic analyses are presented in Table G.25-4. If any of the information from these tables has changed at the time of closure, the Permittees will amend this closure plan to update all methods in this SAP.

6.4.1 Analytical Laboratory Requirements

The analytical laboratory will perform the detailed qualitative and quantitative chemical analyses specified in Section 6.4.2 of this closure plan. The analytical laboratory will have:

- a. a documented comprehensive QA/QC program;
- b. technical analytical expertise;
- c. a document control/records management plan; and
- d. the capability to perform data reduction, validation, and reporting.

The selection of the analytical testing methods identified in Table G.25-4 is based on the following considerations:

- e. the physical form of the waste;
- f. constituents of concern;
- g. required detection limits (*e.g.*, regulatory thresholds); and
- h. information requirements (e.g., waste classification).

6.4.2 Quality Assurance/Quality Control

All sampling and analysis will be conducted in accordance with QA/QC procedures defined by the latest revision of "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (*SW-846*) (EPA, 1986) or other Department-approved procedures. Field sampling procedures and laboratory analyses will be evaluated through the use of QA/QC samples to assess the overall quality of the data produced. QC samples evaluate precision, accuracy, and potential sample contaminations associated with the sampling and analysis process and are described in the following sections, along with information on calculations necessary to evaluate the QC results.

6.4.2.1 Field Quality Control

The field QC samples that will be collected are trip blanks, field blanks, field duplicates, and equipment rinsate blanks. Table G.25-5 presents a summary of QC sample types, applicable analyses, frequency, and acceptance criteria. QC samples will be given a unique sample identification number and submitted to the analytical laboratory as blind samples. QC samples will be identified on the applicable forms so that the results can be applied to the associated sample.

6.4.2.2 Analytical Laboratory QC Samples

QA/QC considerations are an integral part of analytical laboratory operations. Laboratory QA ensures that analytical methods generate data that are technically sound, statistically valid, and that can be documented. QC procedures are the tools employed to measure the degree to which these QA objectives are met.

6.4.3 Data Reduction, Verification, Validation, and Reporting

Analytical data generated by the activities described in this closure plan will be verified and validated. Data reduction is the conversion of raw data to reportable units, transfer of data between recording media, and computation of summary statistics, standard errors, confidence intervals, and statistical tests.

6.4.4 Data Reporting Requirements

Analytical results will include all pertinent information about the condition and appearance of the sampleas-received. Analytical reports will include:

- a. a summary of analytical results for each sample;
- b. results from QC samples such as blanks, spikes, and calibrations;
- c. reference to standard methods or a detailed description of analytical procedures; and

d. raw data printouts for comparison with summaries.

The laboratory will describe the analysis in sufficient detail so that the data user can understand how the sample was analyzed.

7.0 WASTE MANAGEMENT

All waste generated during closure will be controlled, handled, characterized, and disposed of in accordance Permit Section 9.4.5, Permit Attachment C (*Waste Analysis* Plan), and Facility waste management procedures. Closure activities may generate different types of waste materials; these wastes are listed with potential disposal options in Table G.25-2 of this closure plan. Subsequent disposition options for the decontaminated structures and equipment include reuse, recycling, or disposal. Reusable protective clothing, tools, and equipment used during decontamination will be cleaned with a wash water solution. Disposable equipment and other small equipment that cannot be decontaminated, as summarized in Table G.25-2, will be containerized and managed as waste.

8.0 CLOSURE CERTIFICATION REPORT

Upon completion of the closure activities at the permitted unit, a closure certification report will be prepared and submitted to the Department for review and approval in accordance with Permit Section 9.5.

9.0 REFERENCES

- DOE, 1995. "DOE Methods for Evaluating Environmental and Waste Management Samples," DOE/EM-0089T, Rev. 2. Prepared for the U.S. Department of Energy by Pacific Northwest Laboratory, Richland, Washington.
- EPA, 1986 and all approved updates. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA-SW-846, U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, U.S. Government Printing Office, Washington, D.C.
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- LANL, 1999. "Screening Level Ecological Risk Assessment Methods," LA-UR-99-1406, Los Alamos National Laboratory, Los Alamos, New Mexico.
- NIOSH, 1994. The National Institute for Occupational Health and Safety (NIOSH) *Manual of Analytical Methods*, 4th ed. Issue 1. 1994.
- NMED, 2006. "Technical Background Document for Development of Soil Screening Levels," Rev. 4.0, June 2006, New Mexico Environment Department, Santa Fe, New Mexico.

Closure Schedule for the Technical Area 55-0355 Pad

Activity	Maximum Time Required
Notify the Department of intent to close.	-45 Days
Final receipt of waste.	Day 0
Complete waste removal.	Day 90
Complete records review and structural assessment.	10 days after completed waste removal or 100 days after final receipt of waste
Complete all closure activities and submit final closure certification report to the Department.	Day 180

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Potential Waste Materials	Waste Types	Disposal Options		
Personal	Non-regulated solid waste	Subtitle D landfill		
protective equipment (PPE)	Hazardous waste	The PPE will be treated to meet Land Disposal Restriction (LDR) treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.		
	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its state analog, or an authorized off-site radioactive waste disposal facility.		
	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill or the Waste Isolation Pilot Plant (WIPP), as appropriate.		
Decontamination	Non-regulated liquid waste	Sanitary sewer		
wash water	Hazardous waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.		
	Radioactive liquid waste	Radioactive Liquid Waste Treatment Facility (RLWTF)		
	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill or WIPP, as appropriate.		
Metal	Non-regulated solid waste	Subtitle D landfill or recycled		
	Hazardous waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.		
	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its state analog, or an authorized off-site radioactive waste disposal		

Potential Waste Materials, Waste Types, and Disposal Options

Potential Waste	otential Waste Types Disposal Options			
Materials	waste Types			
		facility.		
	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, or WIPP, as appropriate.		
Discarded waste	Non-regulated solid waste	Subtitle D landfill		
management equipment	Hazardous waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.		
	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its state analog, or an authorized off-site radioactive waste disposal facility.		
	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill or WIPP, as appropriate.		
Sampling	Non-regulated solid waste	Subtitle D landfill		
equipment	Hazardous waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.		
	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its state analog, or an authorized off-site radioactive waste disposal facility.		
	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill or WIPP, as appropriate.		
Concrete	Non-regulated solid waste	Subtitle D landfill or potentially, as included in corrective action activities at Area G.		

Potential Waste Materials, Waste Types, and Disposal Options

Potential Waste Materials	Waste Types	Disposal Options	
	Hazardous waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.	
	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its state analog, or an authorized off-site radioactive waste disposal facility.	
Mixed waste		Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill or WIPP, as appropriate.	

Potential Waste Materials, Waste Types, and Disposal Options

Sample Containers^a, Preservation Techniques, and Holding Times^b

Analyte Class and Sample Type	Container Type and Materials	Preservation	Holding Time	
	Metals		·	
TCLP/Total Metals: Arsenic, Barium, Cadmium,	Aqueous Media: 500-mL Wide Mouth-Polyethylene or Glass with Teflon Liner	Aqueous Media: HNO3 to pH <2 Cool to 4 °C	180 Days	
Chromium, Lead, Selenium, Silver	Solid Media: 125-mL Glass	Solid Media: Cool to 4 °C		
TCLP/Total Mercury	Aqueous Media: 500-mL Wide Mouth-Polyethylene or Glass with Teflon Liner	Aqueous Media: HNO ₃ to pH <2 Cool to 4 °C	28 Days	
	Solid Media: 125-mL Glass	Solid Media: Cool to 4 °C		
	Volatile Organic Compo	ounds	·	
Target Compound Volatile Organic Compounds	Aqueous Media: Two 40-mL Amber Glass Vials with Teflon- Lined Septa	Aqueous Media: HCl to pH<2 Cool to 4 °C	14 days	
	Solid Media: 125-mL Glass or Two 40-mL Amber Glass Vials with Teflon-Lined Septa	Solid Media Cool to 4 °C Add 5 mL Methanol or Other Water Miscible Organic Solvent to 40-mL Glass Vials		
	Semi-Volatile Organic Con	npounds	• 	
Target Compound Semi-volatile	Aqueous Media: Four 1-L Amber Glass with Teflon-Lined Lid	Aqueous Media: Cool to 4 °C	Seven days from field collection to preparative	
Organic Compounds	Solid Media: 250-mL Glass ample containers may be required due to health and safe	Solid Media: Cool to 4 °C	extraction. 40 days from preparative extraction to determinative analysis.	

^a Smaller sample containers may be required due to health and safety concerns associated with potential radiation exposure, transportation requirements, and waste management considerations.

^b Information obtained from "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," *SW-846*, U.S. Environmental Protection Agency, 1986 and all approved updates.

 $^{\circ}$ C = degrees Celsius HNO₃ = nitric acid HCl = hydrochloric acid L = Liter mL = milliter TCLP = Toxicity Characteristic Leaching Procedure

Summary of Analytical Methods

Analyte	EPA <i>SW-846</i> Analytical Method ^a	Test Methods/ Instrumentation	Target Detection Limit ^b	Rationale
		Metal Analysis		
Arsenic	6010, 7010, 7061A	ICP-AES, GFAA, CVAA	10 ug/L	
Barium	6010, 7010	ICP-AES,GFAA	200 ug/L	
Cadmium	6010, 7010	ICP-AES, GFAA	2 ug/L	_
Chromium	6010, 7010	ICP-AES, GFAA	10 ug/L	Determine the metals
Lead	6010, 7010	ICP-AES, GFAA	5 ug/L	concentration in the samples.
Mercury	6010, 7470A, 7471B	ICP-AES, CVAA	0.2 ug/L	
Selenium	6010, 7010, 7741A	ICP-AES, GFAA, CVAA	5 ug/L	
Silver	6010, 7010	ICP-AES, GFAA	10 ug/L	
		Organic Analysis		
Target compound list VOCs plus ten tentatively identified compounds (TIC)	8260B	GC/MS	10 mg/L	Determine the VOCs concentration in the samples.
Target compound list SVOCs plus 20 TICs	8270D, 8275	GC/MS	10 mg/L	Determine the SVOCs concentration in the samples.

^a U.S. Environmental Protection Agency (EPA), 1986 and all approved updates, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," *SW*-846.

^b Detection limits listed for metals are for clean water. Detection limits for organics are expressed as practical quantitation limits. Actual detection limits may be higher depending on sample composition and matrix type.

CVAA = Cold-vapor atomic absorption spectroscopy

FLAA = Flame atomic absorption spectroscopy

GC/MS = Gas chromatography/mass spectrometry

GFAA = Graphite furnace atomic absorption spectroscopy

ICP-AES = Inductively coupled plasma-atomic emission spectrometry

mg/L = milligrams per liter ug/L = micrograms per liter.

Recommended Quality Control Sample Types, Applicable Analyses, Frequency, and Acceptance Criteria

QC Sample Type	Applicable Analysis ^a	Frequency	Acceptance Criteria
Trip Blank	VOC	One set per shipping cooler containing samples to be analyzed for VOCs	Not Applicable
Field Blank	VOC/SVOC, metals	One sample daily per analysis	Not Applicable
Field Duplicate	Chemical	One for each sampling sequence	Relative percent difference less than or equal to 20 percent
Equipment Rinsate Blank ^b	VOC/SVOC, metals	One sample daily	Not Applicable

^a For VOC and SVOC analysis, if blank shows detectable levels of any common laboratory contaminant (*e.g.*, methylene chloride, acetone, 2-butanone, toluene, and/or any phthalate ester), sample must exhibit that contaminant at a level 10 times the quantitation limit to be considered detectable. For all other contaminants, sample must exhibit the contaminant at a level 5 times the quantitation level to be considered detectable.

^b Collected only if reusable sampling equipment used.

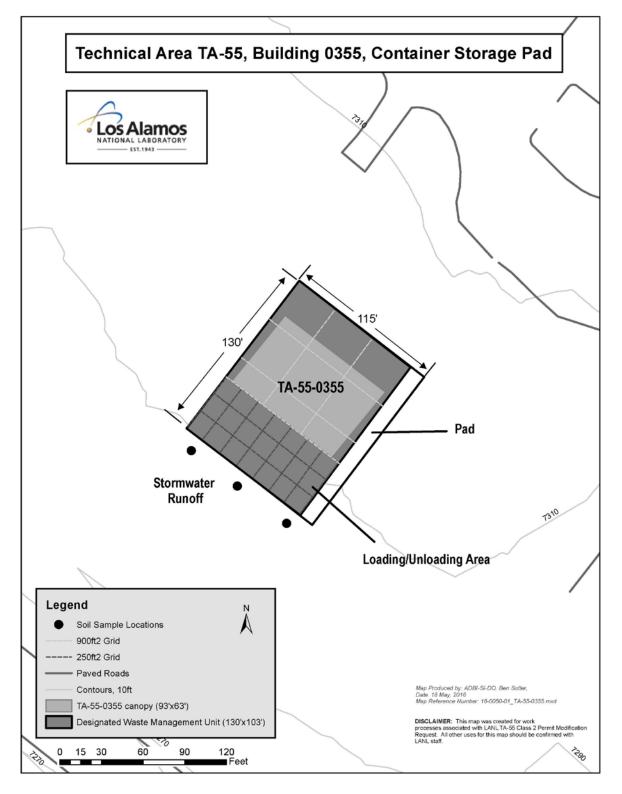


Figure G.25-1: Technical Area 55-0355 Pad, Unit Grid Sampling and Additional Sampling Locations

ATTACHMENT G.29 TECHNICAL AREA 55, BUILDING 4 ROOM B13 INDOOR CONTAINER STORAGE UNIT CLOSURE PLAN

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FIGURE NO. TITLE

G.29-1 Technical Area 55, Building 4, Room B13, Indoor Container Storage Unit

1.0 INTRODUCTION

This closure plan describes the activities necessary to close the indoor hazardous waste container storage unit which is located in Room B13 in the basement of Technical Area 55, Building 4 (TA-55-4) at the Los Alamos National Laboratory (Facility), hereinafter referred to as the permitted unit. The information provided in this closure plan addresses the closure requirements specified in Permit Part 9, the Code of Federal Regulations (CFR), Title 40, Part 264, Subparts G and I for hazardous waste management units operated at the Facility under the Resource Conservation and Recovery Act (RCRA) and the New Mexico Hazardous Waste Act.

Until closure is complete and has been certified in accordance with Permit Section 9.5, a copy of the approved closure plan or the hazardous waste facility permit containing the plan, any approved revisions, and closure activity documentation associated with the closure will be on file with hazardous waste compliance personnel at the Facility and at the U.S. Department of Energy (DOE) Los Alamos Site Office. Prior to closure of the permitted unit, this closure plan may be amended in accordance with Permit Section 9.4.8, as necessary and appropriate, to provide updated sampling and analysis plans and to incorporate updated decontamination technologies. Amended closure plans shall be submitted to the New Mexico Environment Department (Department) for approval prior to implementing closure activities.

2.0 DESCRIPTION OF UNIT TO BE CLOSED

A specific description of the permitted unit can be found in Permit Attachment A (*Technical Area Unit Descriptions*). Additional features and equipment located at the permitted unit and not discussed elsewhere within the Permit are described below.

The entire floor of the permitted unit has been used for storage of hazardous waste. This storage room is approximately 8 ft high, 17 ft, 6 in. wide and 28 ft, 4 in. long. The maximum storage capacity of this unit is 4,950 gal or the equivalent of 90 - 55 gal drums. The types of waste containers holding hazardous or mixed waste that are stored in B13 include 30, 55, 85 gal drums and solid waste boxes. No containers with free liquids will be stored in the unit, so secondary containment will not be necessary.

The waste stored at the permitted unit consists of hazardous and mixed waste in solid form. The permitted unit was constructed in 1979, where the unit now resides. Permit Part 3 (*Storage in Containers*), Permit Attachment A (*Technical Area Unit Descriptions*), Permit Attachment B (*Part A Application*), and Permit Attachment C (*Waste Analysis Plan*) include information regarding waste management procedures and hazardous waste constituents stored at the permitted unit.

3.0 ESTIMATE OF MAXIMUM WASTE STORED

To date, no hazardous waste has been stored at the permitted unit. Throughout the life of this Permit, it is estimated that an additional 1,000 cubic meters of waste will be stored in the permitted unit.

4.0 GENERAL CLOSURE REQUIREMENTS

4.1 Closure Performance Standard

As required by Permit Section 9.2, the permitted unit will be closed to meet the following performance standards:

- a. remove all hazardous waste residues and hazardous constituents; and
- b. ensure contaminated media do not contain concentrations of hazardous constituents greater than the clean-up levels established in accordance with Permit Sections 11.4 and 11.5. For soils the cleanup levels shall be established based on residential use. The Permittees must also demonstrate that there is no potential to contaminate groundwater.

If the Permittees are unable to achieve either of the clean closure standards above, they must:

- c. control hazardous waste residues, hazardous constituents, and, as applicable, contaminated media such that they do not exceed a total excess cancer risk of 10⁻⁵ for carcinogenic substances and, for non-carcinogenic substances, a target Hazard Index of 1.0 for human receptors, and meet Ecological Screening Levels established under Permit Section 11.5;
- d. minimize the need for further maintenance;
- e. control, minimize, or eliminate, to the extent necessary to protect human health and the environment, the post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated runoff, or hazardous waste decomposition products to the ground, groundwater, surface waters, or to the atmosphere; and
- f. comply with the closure requirements of Permit Part 9 (*Closure*) and 40 CFR Part 264 Subparts G and I for container storage units.

Closure of the permitted unit will be deemed complete when: 1) all surfaces and equipment have been decontaminated, or otherwise properly disposed of; 2) closure has been certified by an independent, professional engineer licensed in the State of New Mexico; and 3) closure certification has been submitted to, and approved by, the Department.

4.2 Closure Schedule

This closure plan schedule is intended to address the closure requirements for the permitted unit within the authorized timeframe of the current Hazardous Waste Facility Permit (*see* Permit Section 9.4). The following section provides the schedule of closure activities (*see also* Table G.29-1 of this closure plan).

Notification of closure will occur at least 45 days before the Permittees expect to begin closure (*see* 40 CFR § 264.112(d)(1)) and closure activities will begin according to the requirements of 40 CFR § 264.112(d)(2). However, pursuant to 40 CFR §264.112(e), removing hazardous wastes and decontaminating or dismantling equipment in accordance with an approved closure plan may be conducted at any time before or after notification of closure. Notification of the structural assessment (assessment), as described in Section 5.2 of this closure plan, shall occur in accordance with Permit Section 9.4.6.2.

Within 90 days after the final receipt of hazardous waste, the permitted unit will be emptied of all stored waste. Within ten days of completing hazardous waste removal or within 100 days of the final receipt of hazardous waste the Permittees will complete the records review (review) and assessment and submit an amended closure plan, if necessary, to the Department for review and approval as a permit modification in accordance with Permit Section 9.4.8. Upon approval of the modified closure plan, if applicable, the Permittees will decontaminate unit surfaces and related equipment.

Decontamination verification sampling activities, and soil sampling if applicable, will be conducted to demonstrate that surfaces, related equipment, and media, if applicable, at the permitted unit meet the closure performance standards in Permit Section 9.2.

All closure activities, including submittal of a final closure certification report to the Department for review and approval, will be submitted to the Department within 180 days after the final receipt of waste. In the event that closure of the permitted unit cannot proceed according to schedule, the Permittees will notify the Department in accordance with the extension request requirements in Permit Section 9.4.1.1.

5.0 CLOSURE PROCEDURES

Closure activities at the permitted unit will include: removal of hazardous wastes; proper management and disposal of hazardous waste residues and contaminated surfaces and equipment associated with the permitted unit; verification that the closure performance standards in Permit Section 9.2 have been achieved; and submittal of a final closure certification report. The following sections describe closure activities applicable to the permitted unit.

5.1 Removal of Waste

In accordance with Permit Section 9.4.2, all stored hazardous wastes will be removed from the permitted unit scheduled for closure. Depending upon their size, containers will be removed with forklifts, container dollies, air pallets, or manually. Containers will be placed on flat bed trucks, trailers, or other appropriate vehicles for transport. Appropriate shipping documentation will accompany the wastes during transport. Containers holding hazardous wastes will be moved to a permitted on-site storage unit or a permitted offsite treatment, storage, or disposal facility.

5.2 Records Review and Structural Assessment

After waste removal and before starting closure decontamination and sampling activities, the Facility Operating Record, including inspection records, for the permitted unit will be reviewed and an assessment will be conducted to determine any previous finding(s) or action(s) that may influence closure activities or potential sampling locations.

5.2.1 Records Review

The Facility Operating Record shall be reviewed in accordance with Permit Section 9.4.6.1. The goals of the review will be to:

- a. confirm the specific hazardous waste constituents of concern; and
- b. confirm additional sampling locations (*e.g.*, locations of spills or chronic conditions identified in the Operating and Inspection Records).

5.2.2 Structural Assessment

An assessment of the permitted unit's physical condition will be conducted in accordance with Permit Section 9.4.6.2. The assessment will include inspecting the floor and walls of the permitted unit for any existing cracks or conditions that indicate a potential for, or an actual, release of constituents. If a crack, gap, or stained area is present, the Permittees will amend this closure plan in order to update the sampling

and analysis plan (SAP) (*see* Section 6.0 of this closure plan) to add these sampling locations and the applicable sampling methods and procedures. This inspection will be documented with photographs and drawings, as necessary.

5.3 Decontamination and Removal of Structures and Related Equipment

In accordance with the procedures in Permit Section 9.4.3, all remaining hazardous waste residues and hazardous constituents will be removed from the permitted unit. The permitted unit's surfaces and related equipment will be decontaminated, or removed, or both and managed appropriately. All waste material will be controlled, handled, characterized, and disposed of in accordance with Permit Attachment C (*Waste Analysis Plan*), Permit Section 9.4.5, and Facility waste management procedures. Decontamination activities will ensure the removal of all hazardous waste residues and hazardous constituents from the permitted unit to meet the closure performance standards outlined in Permit Section 9.2.

5.3.1 Removal of Structures and Related Equipment

All surfaces and related equipment that are removed will not require decontamination, will be considered solid and potentially hazardous waste (as defined by this Permit) when removed, and will be disposed of in accordance with Permit Section 9.4.5 and Section 7.0 of this closure plan. Table G.29-2 outlines the potential waste materials, waste types, and disposal options.

5.3.2 Decontamination of Structures and Related Equipment

All surfaces, structures, and related equipment that will be left in place or reused by the Facility will be decontaminated in accordance with Permit Section 9.4.3.1. Decontamination of the permitted unit's surfaces will include all features located within the unit. There is currently no equipment located at the permitted unit that is expected to be left in place; however, if equipment identified during the assessment is expected to be left in place, it will be decontaminated in accordance with this section.

Decontamination of the permitted unit will be conducted by first removing loose material (*e.g.*, dust, dirt) through sweeping followed by washing using a manual wipe-down method with a solution consisting of a surfactant detergent (*e.g.*, Alconox[®]) and water mixed in accordance with the manufacturer's recommendations.

Wipe-down washing will be utilized because of the need to minimize the potential for exposure to workers and the migration of cleaning solution to other areas of the basement outside the permitted unit's boundary. Migration of the wash solution (in the form of splashing, condensation, or drainage) from steam cleaning or pressure washing may potentially contaminate or otherwise negatively affect ongoing operations within the basement. Migration can potentially be mitigated using plastic barriers taped to surfaces to enclose the area. However, areas enclosed in this manner will require workers to use additional personal protective equipment (PPE). This PPE will include fully enclosed protective wear and supplied air because of the increased risk of exposure to personnel due to potential release of radiological materials and organic compounds and concentration within the enclosure. Enclosure of the area increases the risk of personnel exhaustion, because of the additional PPE, and the potential for workers to reach radiological work exposure limits. Therefore, wipe-down washing, rather than steam cleaning or pressure washing, will be utilized because of the need to minimize the potential for exposure to workers and the migration of cleaning solution to other areas of the basement outside the permitted unit's boundary. The entirety of the unit's floors will be decontaminated. To ensure that decontamination of the walls is conducted to a sufficient height, all walls in the permitted unit will be decontaminated to a height of 8 feet.

The ceilings of this permitted unit is 8 feet tall and will be decontaminated. The areas outside of the permitted unit will be presumed to be free of contamination unless there is some physical indication of contamination (*e.g.*, staining), the records review reveals that large amounts of liquid volatile or semi-volatile organic waste was stored in the permitted unit, or a spill or release occurred within the permitted unit that could have affected the surrounding areas.

Cloths, or other absorbent cleaning devices, will not be reused to wipe down the surfaces after being wetted in the wash solution or after spraying solution onto the surfaces. Only one cloth or absorbent cleaning device will be used at a time in a single area to prevent cross-contamination. To minimize the amount of liquid waste generated as a result of decontamination activities, the wash solution will be dispersed from buckets, spray bottles, or other types of small containers.

Portable berms or other such devices (*e.g.*, absorbent socks, plastic sheeting, wading pools, existing secondary containment) will collect excess wash water and provide containment during the decontamination process.

5.4 Equipment Used During Decontamination Activities

Reusable protective clothing, tools, and equipment used during decontamination activities will be cleaned with a wash water solution. Residue, disposable equipment, and small reusable equipment that cannot be decontaminated will be containerized and managed as waste as summarized in Table G.29-2 and in accordance with Permit Section 9.4.5 and Section 7.0 of this closure plan.

6.0 SAMPLING AND ANALYSIS PLAN

This SAP addresses the specific closure sampling and analysis requirements in Permit Section 9.4.7 and describes the sampling, analysis, and quality assurance/quality control (QA/QC) methods that will be used to demonstrate that the Permittees have met the closure performance standards outlined in Permit Section 9.2.

6.1 Decontamination Verification Sampling Activities

Decontamination verification sampling activities will be conducted at the permitted unit in order to verify that surfaces and related equipment at the permitted unit meet the closure performance standards in Permit Section 9.2. All samples will be collected and analyzed in accordance with the procedures in Sections 6.2, 6.3, and 6.4 of this closure plan.

One wipe sample will be collected from each piece of decontaminated equipment at the permitted unit. In compliance with Permit Section 9.4.7.1.i, this closure plan will ensure the collection of at least one wipe sample from the floor and from each wall (up to 8 feet) of the permitted unit. A total of 5 wipe samples will be collected: one from the floor; one from each of the four walls.

Solid chip samples may be collected and analyzed to determine if residual hazardous constituents remain in the concrete floor at the permitted unit.

6.2 Sample Collection Procedures

Samples will be collected in accordance with Permit Section 9.4.7.1 and the procedures identified in this SAP which incorporates guidance from the United States Environmental Protection Agency (USEPA) (EPA, 2002), DOE (DOE, 1995), and other Department-approved procedures.

6.2.1 Wipe Sampling

Surface wipe samples will be collected and analyzed to determine if residual hazardous constituents remain on the surfaces and related equipment at the permitted unit. Samples will be collected in accordance with the National Institute of Occupational Safety and Health (NIOSH) *Manual of Analytical Methods* (NIOSH, 1994). The appropriate wipe sample method will consider the type of surface being sampled, the type of constituent being sampled for, the solution used, and the desired constituent concentration detection limit.

The NIOSH method includes wiping a 100 square centimeter area at each discrete location with a gauze wipe wetted with a liquid solution appropriate for the desired analysis (*e.g.*, deionized water for lead). For wipe sampling, guidance from the analytical laboratory must be obtained prior to wipe verification sampling to confirm that the solution chosen for each analysis is appropriate for the analysis to be conducted and that wipe sampling is a proper technique for the analysis.

6.2.2 Solid Chip Sampling

Solid chip samples may be collected and analyzed to determine if residual hazardous constituents remain in the concrete floor at the permitted unit. Any non-porous inclusions from the sampling location will be removed by brushing or wiping. Using a chisel, drill, hole saw, or similar tool, a minimum 100 grams of the sample will be collected to a depth of 2 cm, or to an alternate depth specified in the assessment and transferred to an appropriate sampling container. The holding time and the preservation techniques to be used for each analysis will be determined from Table G.29-3.

6.2.3 Cleaning of Sampling Equipment

Reusable sampling equipment will be cleaned and rinsed prior to use. Sampling equipment rinsate blanks will be collected and analyzed only if reusable sampling equipment is used. Reusable decontamination equipment, including protective clothing and tools, used during closure activities will be scraped as necessary to remove residue and cleaned with a wash water solution. Sampling equipment will be cleaned prior to each use with a wash solution, rinsed several times with tap water, and air-dried to prevent cross-contamination of samples. A disposable sampler is considered clean if still in a factory-sealed wrapper.

6.3 Sample Management Procedures

The following sections provide a description of sample documentation, handling, preservation, storage, packaging, and transportation requirements that will be followed during the sampling activities associated with the closure.

6.3.1 Sample Documentation

Sampling personnel will complete and maintain records to document sampling and analysis activities. Sample documentation will include sample identification numbers, chain-of-custody forms, analysis requested, sample logbooks detailing sample collection activities, and shipping forms (if necessary).

6.3.1.1 Chain-of-Custody

Chain-of-custody forms will be maintained by sampling personnel until samples are relinquished to the analytical laboratory. This will ensure the integrity of the samples and provide for an accurate and defensible written record of the sampling possession and handling from the time of collection until laboratory analysis. One chain-of-custody form may be used to document all of the samples collected from a single sampling event. The sample collector will be responsible for the integrity of the samples collected until properly transferred to another person. The EPA considers a sample to be in a person's custody if it is:

- a. in a person's physical possession;
- b. in view of the person in possession; or
- c. secured by that person in a restricted access area to prevent tampering.

The sample collector will document all pertinent sample collection data. Individuals relinquishing or receiving custody of the samples will sign, date, and note the time on the analysis request and chain-of-custody form. A chain-of-custody form must accompany all samples from collection through laboratory analysis. The analytical laboratory will return the completed chain-of-custody form to the Facility and it will become part of the permanent sampling record documenting the sampling efforts.

6.3.1.2 Sample Labels and Custody Seals

A sample label will be affixed to each sample container. The sample label will include the following information:

- a. a unique sample identification number;
- b. name of the sample collector;
- c. date and time of collection;
- d. type of preservatives used, if any; and
- e. location from which the sample was collected.

A custody seal will be placed on each sample container to detect unauthorized tampering with the samples. These labels must be initialed, dated, and affixed by the sample collector in such a manner that it is necessary to break the seal to open the container.

6.3.1.3 Sample Logbook

All pertinent information on the sampling effort must be recorded in a bound logbook. Information must be recorded in ink and any cross-outs must be made with a single line with the change initialed and dated by the author. The sample logbook will include the following information:

a. the sample location;

- b. suspected composition;
- c. sample identification number;
- d. volume/mass of sample taken;
- e. purpose of sampling;
- f. description of sample point and sampling methodology;
- g. date and time of collection;
- h. name of the sample collector;
- i. sample destination and how it will be transported;
- j. observations;
- k. name(s) of personnel responsible for the observations; and
- 1. any deviations and supporting information

6.3.2 Sample Handling, Preservation, and Storage

Samples will be collected and containerized in appropriate pre-cleaned sample containers. Table G.29-3 presents the requirements in *SW-846* (EPA, 1986) for sample containers, preservation techniques, and holding times. Samples that require cooling to 4 degrees Celsius will be placed in a cooler with ice or ice gel or in a refrigerator immediately upon collection.

6.3.3 Packaging and Transportation of Samples

All packaging and transportation activities will meet safety expectations, QA requirements, DOE Orders, and relevant local, state, and federal laws (including 10 CFR and 49 CFR). Appropriate Facility documents establish the requirements for packaging design, testing, acquisition, acceptance, use, maintenance, and decommissioning and for on-site, intra-site, and off-site shipment preparation and transportation of general commodities, hazardous materials, substances, wastes, and defense program materials.

Off-site transportation of samples will occur via private, contract, or common motor carrier, air carrier, or freight. All off-site transportation will be processed through the Facility packaging and transportation organization unless the shipper is specifically authorized through formal documentation by the packaging and transportation organization to independently tender shipments to common motor or air carriers.

6.4 Sample Analysis Requirements

Samples will be analyzed for all hazardous constituents listed in Appendix VIII of 40 CFR Part 261 and in Appendix IX of 40 CFR Part 264 that have been stored at the permitted unit over its operational history, which will be assessed prior to closure. Samples will be analyzed by an independent laboratory using the methods outlined in Table G.29-4. Analytes, test methods and instrumentation, target detection limits, and rationale for metals and organic analyses are presented in Table G.29-4. If any of the information in this

table has changed at the time of closure, the Permittees will amend this closure plan to update all methods in this SAP.

6.4.1 Analytical Laboratory Requirements

The analytical laboratory will perform the detailed qualitative and quantitative chemical analyses specified in Section 6.4.2. This analytical laboratory will have:

- a. a documented comprehensive QA/QC program;
- b. technical analytical expertise;
- c. a document control and records management plan; and
- d. the capability to perform data reduction, validation, and reporting.

The selection of the analytical testing methods identified in Table G.29-4 is based on the following considerations:

- e. the physical form of the waste;
- f. constituents of concern;
- g. required detection limits (*e.g.*, regulatory thresholds); and
- h. information requirements (e.g., waste classification).

6.4.2 Quality Assurance/Quality Control

All sampling and analysis will be conducted in accordance with QA/QC procedures defined by the latest revision of "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (*SW-846*) (EPA, 1986) or other Department-approved procedures. Field sampling procedures and laboratory analyses will be evaluated through the use of QA/QC samples to assess the overall quality of the data produced. QC samples evaluate precision, accuracy, and potential sample contamination associated with the sampling and analysis process, and is described in the following sections, along with information on calculations necessary to evaluate the QC results.

6.4.2.1 Field Quality Control

The field QC samples that will be collected are trip blanks, field blanks, field duplicates, and equipment rinsate blanks. Table G.29-5 presents a summary of QC sample types, applicable analyses, frequency, and acceptance criteria. QC samples will be given a unique sample identification number and submitted to the analytical laboratory as blind samples. QC samples will be identified on the applicable forms so that the results can be applied to the associated sample.

6.4.2.2 Analytical Laboratory QC Samples

QA/QC considerations are an integral part of analytical laboratory operations. Laboratory QA ensures that analytical methods generate data that are technically sound, statistically valid, and that can be documented. QC procedures are the tools employed to measure the degree to which these QA objectives are met.

6.4.3 Data Reduction, Verification, Validation, and Reporting

Analytical data generated by the activities described in this closure plan will be verified and validated. Data reduction is the conversion of raw data to reportable units, transfer of data between recording media, and computation of summary statistics, standard errors, confidence intervals, and statistical tests.

6.4.4 Data Reporting Requirements

Analytical results will include all pertinent information about the condition and appearance of the sampleas-received. Analytical reports will include:

- a. a summary of analytical results for each sample;
- b. results from QC samples such as blanks, spikes, and calibrations;
- c. reference to standard methods or a detailed description of analytical procedures; and
- d. raw data printouts for comparison with summaries.

The laboratory will describe sample preparations that occur during the analysis in sufficient detail so that the data user can understand how the sample was analyzed.

7.0 WASTE MANAGEMENT

All waste generated during closure will be controlled, handled, characterized, and disposed of in accordance with Permit Section 9.4.5, Permit Attachment C (*Waste Analysis Plan*), and Facility waste management procedures. Closure activities may generate different types of waste materials; these wastes are listed with potential disposal options in Table G.29-2 of this closure plan. Subsequent disposition options for the decontaminated structures and equipment include reuse, recycling, or disposal. Reusable protective clothing, tools, and equipment used during decontamination will be cleaned with a wash water solution. Disposable equipment and other small equipment that cannot be decontaminated, as summarized in Table G.29-3, will be containerized and managed as waste.

8.0 CLOSURE CERTIFICATION REPORT

Upon completion of the closure activities at the permitted unit, a closure certification report will be prepared and submitted to the Department for review and approval in accordance with Permit Section 9.5.

9.0 REFERENCES

DOE, 1995. "DOE Methods for Evaluating Environmental and Waste Management Samples," DOE/EM-0089T, Rev. 2. Prepared for the U.S. Department of Energy by Pacific Northwest Laboratory, Richland, Washington.

- EPA, 1986 and all approved updates. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA-SW-846, U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, U.S. Government Printing Office, Washington, D.C.
- EPA, 2002. "RCRA Waste Sampling Draft Technical Guidance Planning, Implementation, and Assessment," EPA530-D-02-002, August 2002, Office of Solid Waste, U.S. Environmental Protection Agency, Washington, DC.
- NIOSH, 1994. The National Institute for Occupational Health and Safety (NIOSH) *Manual of Analytical Methods*, 4th ed. Issue 1. 1994.

Closure Schedule for the Technical Area 55, Building 4, Room B13, Indoor Container Storage Unit

Activity	Maximum Time Required
Notify the Department of intent to close.	-45 Days
Final receipt of waste.	Day 0
Complete waste removal.	Day 90
Complete records review and structural assessment.	10 days after completed waste removal or 100 days after final receipt of waste
Complete all closure activities and submit final closure certification report to the Department.	Day 180

Potential Waste Materials	Waste Types	Disposal Options	
	Non-regulated solid waste	Subtitle D landfill	
Personal protective equipment (PPE)	Hazardous waste	The PPE will be treated to meet Land Disposal Restriction (LDR) treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.	
	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its state analog, or an authorized off-site radioactive waste disposal facility.	
	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill or the Waste Isolation Pilot Plant (WIPP), as appropriate.	
	Non-regulated liquid waste	Sanitary sewer	
Decontamination	Hazardous waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.	
wash water	Radioactive liquid waste	Radioactive Liquid Waste Treatment Facility (RLWTF)	
	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill or WIPP, as appropriate.	
	Non-regulated solid waste	Subtitle D landfill or recycled	
Metal	Hazardous waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.	
	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its	

Potential Waste Materials, Waste Types, and Disposal Options

Potential Waste Materials, Waste Types, and Disposal Options

Potential Waste Materials	Waste Types	Disposal Options
		state analog, or an authorized off-site radioactive waste disposal facility.
	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, or WIPP, as appropriate.
Discarded concrete	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its state analog, or an authorized off-site radioactive waste disposal facility.
	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill or WIPP, as appropriate.
	Non-regulated solid waste	Subtitle D landfill, recycled, or reused
	Hazardous waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.
Discarded waste management	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its state analog, or an authorized off-site radioactive waste disposal facility.
	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill or WIPP, as appropriate.
equipment	Non-regulated solid waste	Subtitle D landfill
	Hazardous waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.
Sampling equipment	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its state analog, or an authorized off-site radioactive waste disposal facility.

Potential Waste
MaterialsWaste TypesDisposal OptionsMixed wasteWaste will be treated to meet LDR treatment
standards, if necessary, and disposed in a Subtitle C or
D landfill or WIPP, as appropriate.Non-regulated solid
wasteSubtitle D landfillHazardous wasteWaste will be treated to meet LDR treatment
standards, if necessary, and disposed in a Subtitle C or
D landfill or WIPP, as appropriate.

Potential Waste Materials, Waste Types, and Disposal Options

Sample Containers^a, Preservation Techniques, and Holding Times^b

Analyte Class and Sample Type	Container Type and Materials	Preservation	Holding Time
	Metals		
TCLP/Total Metals: Arsenic, Barium,	Aqueous Media:	Aqueous Media:	180 Days
Cadmium, Chromium, Lead,	500-mL Wide Mouth- Polyethylene or Glass with Teflon	HNO ₃ to $pH < 2$	
Selenium, Silver	Liner	Cool to 4 °C	
	Solid Media:	Solid Media:	
	125-mL Glass	Cool to 4 °C	
TCLP/Total Mercury	Aqueous Media:	Aqueous Media:	28 Days
Wereury	500-mL Wide Mouth- Polyethylene or Glass with Teflon	HNO ₃ to pH <2	
	Liner	Cool to 4 °C	
	Solid Media:	Solid Media:	
	125-mL Glass	Cool to 4 °C	
	Volatile Organic Cor	npounds	
Target Compound Volatile Organic	Aqueous Media:	Aqueous Media:	14 days
Compounds	Two 40-mL Amber Glass Vials with Teflon-Lined Septa	HCl to pH<2	
	1	Cool to 4 °C	
	Solid Media:	Solid Media	
	125-mL Glass or Two 40-mL Amber Glass Vials with Teflon-	Cool to 4 °C	
	Lined Septa	Add 5 mL Methanol or Other Water Miscible Organic Solvent to 40-mL Glass Vials	

	Semi-Volatile Organ	uic Compounds	
Target Compound Semi-volatile	Aqueous Media:	Aqueous Media:	Seven days from field collection to
Organic Compounds	Four 1-L Amber Glass with Teflon-Lined Lid	Cool to 4 °C	preparative extraction. 40 days from preparative
	Solid Media:	Solid Media:	extraction to determinative
	250-mL Glass	Cool to 4 °C	analysis.

^a Smaller sample containers may be required due to health and safety concerns associated with potential radiation exposure, transportation requirements, and waste management considerations.

^b Information obtained from "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," *SW-846*, U.S. Environmental Protection Agency, 1986 and all approved updates.

°C = degrees Celsius HCl = hydrochloric acid

HNO₃ = nitric acid L = Liter TCLP = Toxicity Characteristic Leaching Procedure

mL = milliter

Summary of Analytical Methods

Analyte	EPA <i>SW-846</i> Analytical Method ^a	Test Methods/ Instrumentation	Target Detection Limit ^b	Rationale
		Metal Analysis		
Arsenic	7060A °, 7061A	FLAA, GFAA	10 ug/L	
Barium	7080A ^d , 7081 ^c	FLAA,GFAA	200 ug/L	-
Cadmium	7130 ^d , 7131A ^c	FLAA, GFAA	2 ug/L	-
Chromium	7190 ^d , 7191 ^c	FLAA, GFAA	10 ug/L	Determine the metal concentration in the samples.
Lead	7420 ^d , 7421 ^c	FLAA, GFAA	5 ug/L	
Mercury	7470A, 7471A ^e	CVAA	0.2 ug/L	
Selenium	7740°, 7741A	FLAA, GFAA	5 ug/L	
Silver	7760A ^d , 7761 °	FLAA, GFAA	10 ug/L	
		Organic Analysis		
Target compound list VOCs plus ten tentatively identified compounds (TIC)	8260B	GC/MS	10 mg/L	Determine the VOCs concentration in the samples.
Target compound list SVOCs plus 20 TICs	8270D °	GC/MS	10 mg/L	Determine the SVOCs concentration in the samples.

^a U.S. Environmental Protection Agency (EPA), 1986 and all approved updates, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," *SW-846*.

^b Detection limits listed for metals are for clean water. Detection limits for organics are expressed as practical quantitation limits. Actual detection limits may be higher depending on sample composition and matrix type.

^c Method being integrated into Method 7010, per the May 1998 *SW*-846 Draft Update IVA.

^d Method being integrated into Method 7000B, per the May 1998 *SW*-846 Draft Update IVA.

^e Method being revised to 7471B per the May 1998 *SW*-846 Draft Update IVA.

CVAA = Cold-vapor atomic absorption spectroscopy; GFAA= Graphite furnace atomic absorption spectroscopy;

FLAA = Flame atomic absorption spectroscopy;

mg/L= milligrams per liter; ug/L = micrograms per liter.

GC/MS = Gas chromatography/mass spectrometry;

Attachment G.29-TA-55 Room B13 Indoor Closure Plan

Quality Control Sample Types, Applicable Analyses, Frequency, and Acceptance Criteria

QC Sample Type	Applicable Analysis ^a	Frequency	Acceptance Criteria
Trip Blank	VOC	One set per shipping cooler containing samples to be analyzed for VOCs	Not Applicable
Field Blank	VOC/SVOC, metals	One sample daily per analysis	Not Applicable
Field Duplicate	Chemical	One for each sampling sequence	Relative percent difference less than or equal to 20 percent
Equipment Rinsate Blank ^b	VOC/SVOC, metals	One sample daily	Not Applicable

^a For VOC and SVOC analysis, if blank shows detectable levels of any common laboratory contaminant (*e.g.*, methylene chloride, acetone, 2-butanone, toluene, and/or any phthalate ester), sample must exhibit that contaminant at a level 10 times the quantitation limit to be considered detectable. For all other contaminants, sample must exhibit the contaminant at a level 5 times the quantitation level to be considered detectable.

^b Collected only if reusable sampling equipment used.

Figure G.29-1 has been provided under separate cover

ATTACHMENT G.30 TECHNICAL AREA 55, BUILDING 4 ROOM G12 INDOOR CONTAINER STORAGE UNIT CLOSURE PLAN

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FIGURE NO. TITLE

G.30-1 Technical Area 55, Building 4, Room G12, Indoor Container Storage Unit

1.0 INTRODUCTION

This closure plan describes the activities necessary to close the indoor hazardous waste container storage unit which is located in Room G12 in the basement of Technical Area 55, Building 4 (TA-55-4) at the Los Alamos National Laboratory (Facility), hereinafter referred to as the permitted unit. The information provided in this closure plan addresses the closure requirements specified in Permit Part 9, the Code of Federal Regulations (CFR), Title 40, Part 264, Subparts G and I for hazardous waste management units operated at the Facility under the Resource Conservation and Recovery Act (RCRA) and the New Mexico Hazardous Waste Act.

Until closure is complete and has been certified in accordance with Permit Section 9.5, a copy of the approved closure plan or the hazardous waste facility permit containing the plan, any approved revisions, and closure activity documentation associated with the closure will be on file with hazardous waste compliance personnel at the Facility and at the U.S. Department of Energy (DOE) Los Alamos Site Office. Prior to closure of the permitted unit, this closure plan may be amended in accordance with Permit Section 9.4.8, as necessary and appropriate, to provide updated sampling and analysis plans and to incorporate updated decontamination technologies. Amended closure plans shall be submitted to the New Mexico Environment Department (Department) for approval prior to implementing closure activities.

2.0 DESCRIPTION OF UNIT TO BE CLOSED

A specific description of the permitted unit can be found in Permit Attachment A (*Technical Area Unit Descriptions*). Additional features and equipment located at the permitted unit and not discussed elsewhere within the Permit are described below.

The entire floor of the permitted unit has been used for storage of hazardous waste. The permitted unit is located in the TA-55-4 basement. This storage area is irregularly shaped (512.98 ft²) and the walls consist of chain link fencing, shown in Figure G.30-1. The maximum storage capacity of this unit is 5,225 gal or the equivalent of 95 - 55 gal drums. The types of waste containers holding hazardous or mixed waste that will be stored in G12 include 30, 55, 85 gal drums; and solid waste boxes. No containers with free liquids will be stored in this unit, so secondary containment will not be necessary.

The permitted unit was constructed in 1979, where the unit now resides. The unit is used to store hazardous and mixed waste. Permit Part 3 (*Storage in Containers*), Permit Attachment A (*Technical Area Unit Descriptions*), Permit Attachment B (*Part A Application*), and Permit Attachment C (*Waste Analysis Plan*) include information regarding waste management procedures and hazardous waste constituents stored at the permitted unit.

3.0 ESTIMATE OF MAXIMUM WASTE STORED

To date, no hazardous waste has been stored at the permitted unit. Throughout the life of this Permit it is estimated that 1,000 cubic meters of waste will be stored in the permitted unit.

4.0 GENERAL CLOSURE REQUIREMENTS

4.1 Closure Performance Standard

As required by Permit Section 9.2, the permitted unit will be closed to meet the following performance standards:

- a. remove all hazardous waste residues and hazardous constituents; and
- b. ensure contaminated media do not contain concentrations of hazardous constituents greater than the clean-up levels established in accordance with Permit Sections 11.4 and 11.5. For soils the cleanup levels shall be established based on residential use. The Permittees must also demonstrate that there is no potential to contaminate groundwater.

If the Permittees are unable to achieve either of the clean closure standards above, they must:

- c. control hazardous waste residues, hazardous constituents, and, as applicable, contaminated media such that they do not exceed a total excess cancer risk of 10⁻⁵ for carcinogenic substances and, for non-carcinogenic substances, a target Hazard Index of 1.0 for human receptors, and meet Ecological Screening Levels established under Permit Section 11.5;
- d. minimize the need for further maintenance;
- e. control, minimize, or eliminate, to the extent necessary to protect human health and the environment, the post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated runoff, or hazardous waste decomposition products to the ground, groundwater, surface waters, or to the atmosphere; and
- f. comply with the closure requirements of Permit Part 9 (*Closure*) and 40 CFR Part 264 Subparts G and I for container storage units.

Closure of the permitted unit will be deemed complete when: 1) all surfaces and equipment have been decontaminated, or otherwise properly disposed of; 2) closure has been certified by an independent, professional engineer licensed in the State of New Mexico; and 3) closure certification has been submitted to, and approved by, the Department.

4.2 Closure Schedule

This closure plan schedule is intended to address the closure requirements for the permitted unit within the authorized timeframe of the current Hazardous Waste Facility Permit (*see* Permit Section 9.4). The following section provides the schedule of closure activities (*see also* Table G.30-1 of this closure plan).

Notification of closure will occur at least 45 days before the Permittees expect to begin closure (*see* 40 CFR § 264.112(d)(1)) and closure activities will begin according to the requirements of 40 CFR § 264.112(d)(2). However, pursuant to 40 CFR §264.112(e), removing hazardous wastes and decontaminating or dismantling equipment in accordance with an approved closure plan may be conducted at any time before or after notification of closure. Notification of the structural assessment (assessment), as described in Section 5.2 of this closure plan, shall occur in accordance with Permit Section 9.4.6.2.

Within 90 days after the final receipt of hazardous waste, the permitted unit will be emptied of all stored waste. Within ten days of completing hazardous waste removal or within 100 days of the final receipt of hazardous waste the Permittees will complete the records review (review) and assessment and submit an amended closure plan, if necessary, to the Department for review and approval as a permit modification in accordance with Permit Section 9.4.8. Upon approval of the modified closure plan, if applicable, the Permittees will decontaminate unit surfaces and related equipment.

Decontamination verification sampling activities, and soil sampling if applicable, will be conducted to demonstrate that surfaces, related equipment, and media, if applicable, at the permitted unit meet the closure performance standards in Permit Section 9.2.

All closure activities, including submittal of a final closure certification report to the Department for review and approval, will be submitted to the Department within 180 days after the final receipt of waste. In the event that closure of the permitted unit cannot proceed according to schedule, the Permittees will notify the Department in accordance with the extension request requirements in Permit Section 9.4.1.1.

5.0 CLOSURE PROCEDURES

Closure activities at the permitted unit will include: removal of hazardous wastes; proper management and disposal of hazardous waste residues and contaminated surfaces and equipment associated with the permitted unit; verification that the closure performance standards in Permit Section 9.2 have been achieved; and submittal of a final closure certification report. The following sections describe closure activities applicable to the permitted unit.

5.1 Removal of Waste

In accordance with Permit Section 9.4.2, all stored hazardous wastes will be removed from the permitted unit scheduled for closure. Depending upon their size, containers will be removed with forklifts, container dollies, air pallets, or manually. Containers will be placed on flat bed trucks, trailers, or other appropriate vehicles for transport. Appropriate shipping documentation will accompany the wastes during transport. Containers holding hazardous wastes will be moved to a permitted on-site storage unit or a permitted off-site treatment, storage, or disposal facility.

5.2 Records Review and Structural Assessment

After waste removal and before starting closure decontamination and sampling activities, the Facility Operating Record for the permitted unit will be reviewed and an assessment will be conducted to determine any previous finding(s) or action(s) that may influence closure activities or potential sampling locations.

5.2.1 Records Review

The Facility Operating Record, including inspection records, shall be reviewed in accordance with Permit Section 9.4.6.1. The goals of the review will be to:

- a. confirm the specific hazardous waste constituents of concern; and
- b. confirm additional sampling locations (*e.g.*, locations of spills or chronic conditions identified in the Operating Record).

5.2.2 Structural Assessment

An assessment of the permitted unit's physical condition will be conducted in accordance with Permit Section 9.4.6.2. The assessment will include inspecting the floor and walls of the permitted unit for any existing cracks or conditions that indicate a potential for, or an actual, release of constituents. If a crack, gap, or stained area is present, the Permittees will amend this closure plan in order to update the sampling and analysis plan (SAP) (*see* Section 6.0 of this closure plan) to add these sampling locations and the applicable sampling methods and procedures. This inspection will be documented with photographs and drawings, as necessary.

5.3 Decontamination and Removal of Structures and Related Equipment

In accordance with the procedures in Permit Section 9.4.3, all remaining hazardous waste residues and hazardous constituents will be removed from the permitted unit. The permitted unit's surfaces and related equipment will be decontaminated, or removed, or both and managed appropriately. All waste material will be controlled, handled, characterized, and disposed of in accordance with Permit Attachment C (*Waste Analysis Plan*), Permit Section 9.4.5, and Facility waste management procedures. Decontamination activities will ensure the removal of all hazardous waste residues and hazardous constituents from the permitted unit to meet the closure performance standards outlined in Permit Section 9.2.

5.3.1 Removal of Structures and Related Equipment

All surfaces and related equipment that are removed will not require decontamination, will be considered solid and potentially hazardous waste (as defined by this Permit) when removed, and will be disposed of in accordance with Permit Section 9.4.5 and Section 7.0 of this closure plan. Table G.30-2 outlines the potential waste materials, waste types, and disposal options.

5.3.2 Decontamination of Structures and Related Equipment

All surfaces, structures, and related equipment that will be left in place or reused by the Facility will be decontaminated in accordance with Permit Section 9.4.3.1. Decontamination of the permitted unit's surfaces will include all features located within the unit. There is currently no equipment located at the permitted unit that is expected to be left in place; however, if equipment identified during the assessment is expected to be left in place, it will be decontaminated in accordance with this section.

Decontamination of the permitted unit will be conducted by first removing loose material (*e.g.*, dust, dirt) through sweeping followed by washing using a manual wipe-down method with a solution consisting of a surfactant detergent (*e.g.*, Alconox[®]) and water mixed in accordance with the manufacturer's recommendations.

Wipe-down washing will be utilized because of the need to minimize the potential for exposure to workers and the migration of cleaning solution to other areas of the basement outside the permitted unit's boundary. Migration of the wash solution (in the form of splashing, condensation, or drainage) from steam cleaning or pressure washing may potentially contaminate or otherwise negatively affect ongoing operations within the basement. Migration can potentially be mitigated using plastic barriers taped to surfaces to enclose the area. However, areas enclosed in this manner will require workers to use additional personal protective equipment (PPE). This PPE will include fully enclosed protective wear and supplied air because of the increased risk of exposure to personnel due to potential release of radiological materials and organic compounds and concentration within the enclosure. Enclosure of the area increases the risk of personnel exhaustion, because of the additional PPE, and the potential for workers to reach radiological work exposure limits. Therefore, wipe-down washing, rather than steam cleaning or pressure washing, will be utilized because of the need to minimize the potential for exposure to workers and the migration of cleaning solution to other areas of the basement outside the permitted unit's boundary.

The entirety of the unit's floors will be decontaminated. To ensure that decontamination of the walls is conducted to a sufficient height, all walls in the permitted unit will be decontaminated to a height of 8 feet.

The ceilings of this permitted unit is 8 feet tall and will be decontaminated. The areas outside of the permitted unit will be presumed to be free of contamination unless there is some physical indication of contamination (*e.g.*, staining), the records review reveals that large amounts of liquid volatile or semi-volatile organic waste was stored in the permitted unit, or a spill or release occurred within the permitted unit that could have affected the surrounding areas.

Cloths, or other absorbent cleaning devices, will not be reused to wipe down the surfaces after being wetted in the wash solution or after spraying solution onto the surfaces. Only one cloth or absorbent cleaning device will be used at a time in a single area to prevent cross-contamination. To minimize the amount of liquid waste generated as a result of decontamination activities, the wash solution will be dispersed from buckets, spray bottles, or other types of small containers.

Portable berms or other such devices (*e.g.*, absorbent socks, plastic sheeting, wading pools, existing secondary containment) will collect excess wash water and provide containment during the decontamination process.

5.4 Equipment Used During Decontamination Activities

Reusable protective clothing, tools, and equipment used during decontamination activities will be cleaned with a wash water solution. Residue, disposable equipment, and small reusable equipment that cannot be decontaminated will be containerized and managed as waste as summarized in Table G.30-2 and in accordance with Permit Section 9.4.5 and Section 7.0 of this closure plan.

6.0 SAMPLING AND ANALYSIS PLAN

This SAP addresses the specific closure sampling and analysis requirements in Permit Section 9.4.7 and describes the sampling, analysis, and quality assurance/quality control (QA/QC) methods that will be used to demonstrate that the Permittees have met the closure performance standards outlined in Permit Section 9.2.

6.1 Decontamination Verification Sampling Activities

Decontamination verification sampling activities will be conducted at the permitted unit in order to verify that surfaces and related equipment at the permitted unit meet the closure performance standards in Permit Section 9.2. All samples will be collected and analyzed in accordance with the procedures in Sections 6.2, 6.3, and 6.4 of this closure plan.

One wipe sample will be collected from each piece of decontaminated equipment at the permitted unit. In compliance with Permit Section 9.4.7.1.i, this closure plan will ensure the collection of at least one wipe

sample from the floor and from each wall (up to 11 feet) of the permitted unit. Verification wipe samples will be collected from random locations within each of the sample areas indicated on Figure G.30-1 (provided under separate cover) of this closure plan. A total of 1 wipe sample, from the floor. Solid chip samples may be collected and analyzed to determine if residual hazardous constituents remain in the concrete floor at the permitted unit.

6.2 Sample Collection Procedures

Samples will be collected in accordance with Permit Section 9.4.7.1 and the procedures identified in this SAP which incorporates guidance from the United States Environmental Protection Agency (USEPA) (EPA, 2002), DOE (DOE, 1995), and other Department-approved procedures.

6.2.1 Wipe Sampling

Surface wipe samples will be collected and analyzed to determine if residual hazardous constituents remain on the surfaces and related equipment at the permitted unit. Samples will be collected in accordance with the National Institute of Occupational Safety and Health (NIOSH) *Manual of Analytical Methods* (NIOSH, 1994). The appropriate wipe sample method will consider the type of surface being sampled, the type of constituent being sampled for, the solution used, and the desired constituent concentration detection limit.

The NIOSH method includes wiping a 100 square centimeter area at each discrete location with a gauze wipe wetted with a liquid solution appropriate for the desired analysis (*e.g.*, deionized water for lead). For wipe sampling, guidance from the analytical laboratory must be obtained prior to wipe verification sampling to confirm that the solution chosen for each analysis is appropriate for the analysis to be conducted and that wipe sampling is a proper technique for the analysis.

6.2.2 Solid Chip Sampling

Solid chip samples may be collected and analyzed to determine if residual hazardous constituents remain in the concrete floor at the permitted unit. Any non-porous inclusions from the sampling location will be removed by brushing or wiping. Using a chisel, drill, hole saw, or similar tool, a minimum 100 grams of the sample will be collected to a depth of 2 cm, or to an alternate depth specified in the assessment and transferred to an appropriate sampling container. The holding time and the preservation techniques to be used for each analysis will be determined from Table G.30-3.

6.2.3 Cleaning of Sampling Equipment

Reusable sampling equipment will be cleaned and rinsed prior to use. Sampling equipment rinsate blanks will be collected and analyzed only if reusable sampling equipment is used. Reusable decontamination equipment, including protective clothing and tools, used during closure activities will be scraped as necessary to remove residue and cleaned with a wash water solution. Sampling equipment will be cleaned prior to each use with a wash solution, rinsed several times with tap water, and air-dried to prevent cross-contamination of samples. A disposable sampler is considered clean if still in a factory-sealed wrapper.

6.3 Sample Management Procedures

The following sections provide a description of sample documentation, handling, preservation, storage, packaging, and transportation requirements that will be followed during the sampling activities associated with the closure.

6.3.1 Sample Documentation

Sampling personnel will complete and maintain records to document sampling and analysis activities. Sample documentation will include sample identification numbers, chain-of-custody forms, analysis requested, sample logbooks detailing sample collection activities, and shipping forms (if necessary).

6.3.1.1 Chain-of-Custody

Chain-of-custody forms will be maintained by sampling personnel until samples are relinquished to the analytical laboratory. This will ensure the integrity of the samples and provide for an accurate and defensible written record of the sampling possession and handling from the time of collection until laboratory analysis. One chain-of-custody form may be used to document all of the samples collected from a single sampling event. The sample collector will be responsible for the integrity of the samples collected until properly transferred to another person. The EPA considers a sample to be in a person's custody if it is:

- a. in a person's physical possession;
- b. in view of the person in possession; or
- c. secured by that person in a restricted access area to prevent tampering.

The sample collector will document all pertinent sample collection data. Individuals relinquishing or receiving custody of the samples will sign, date, and note the time on the analysis request and chain-ofcustody form. A chain-of-custody form must accompany all samples from collection through laboratory analysis. The analytical laboratory will return the completed chain-of-custody form to the Facility and it will become part of the permanent sampling record documenting the sampling efforts.

6.3.1.2 Sample Labels and Custody Seals

A sample label will be affixed to each sample container. The sample label will include the following information:

- a. a unique sample identification number;
- b. name of the sample collector;
- c. date and time of collection;
- d. type of preservatives used, if any; and
- e. location from which the sample was collected.

A custody seal will be placed on each sample container to detect unauthorized tampering with the samples. These labels must be initialed, dated, and affixed by the sample collector in such a manner that it is necessary to break the seal to open the container.

6.3.1.3 Sample Logbook

All pertinent information on the sampling effort must be recorded in a bound logbook. Information must be recorded in ink and any cross-outs must be made with a single line with the change initialed and dated by the author. The sample logbook will include the following information:

- a. the sample location;
- b. suspected composition;
- c. sample identification number;
- d. volume/mass of sample taken;
- e. purpose of sampling;
- f. description of sample point and sampling methodology;
- g. date and time of collection;
- h. name of the sample collector;
- i. sample destination and how it will be transported;
- j. observations;
- k. name(s) of personnel responsible for the observations; and
- 1. any deviations and supporting information

6.3.2 Sample Handling, Preservation, and Storage

Samples will be collected and containerized in appropriate pre-cleaned sample containers. Table G.30-4 presents the requirements in *SW-846* (EPA, 1986) for sample containers, preservation techniques, and holding times. Samples that require cooling to 4 degrees Celsius will be placed in a cooler with ice or ice gel or in a refrigerator immediately upon collection.

6.3.3 Packaging and Transportation of Samples

All packaging and transportation activities will meet safety expectations, QA requirements, DOE Orders, and relevant local, state, and federal laws (including 10 CFR and 49 CFR). Appropriate Facility documents establish the requirements for packaging design, testing, acquisition, acceptance, use, maintenance, and decommissioning and for on-site, intra-site, and off-site shipment preparation and transportation of general commodities, hazardous materials, substances, wastes, and defense program materials.

Off-site transportation of samples will occur via private, contract, or common motor carrier, air carrier, or freight. All off-site transportation will be processed through the Facility packaging and transportation organization unless the shipper is specifically authorized through formal documentation by the packaging and transportation organization to independently tender shipments to common motor or air carriers.

6.4 Sample Analysis Requirements

Samples will be analyzed for all hazardous constituents listed in Appendix VIII of 40 CFR Part 261 and in Appendix IX of 40 CFR Part 264 that have been stored at the permitted unit over its operational history, which will be assessed prior to closure. Samples will be analyzed by an independent laboratory using the methods outlined in Table G.30-4. Analytes, test methods and instrumentation, target detection limits, and rationale for metals and organic analyses are presented in Table G.30-4. If any of the information in this table has changed at the time of closure, the Permittees will amend this closure plan to update all methods in this SAP.

6.4.1 Analytical Laboratory Requirements

The analytical laboratory will perform the detailed qualitative and quantitative chemical analyses specified in Section 6.4.2. This analytical laboratory will have:

- a. a documented comprehensive QA/QC program;
- b. technical analytical expertise;
- c. a document control and records management plan; and
- d. the capability to perform data reduction, validation, and reporting.

The selection of the analytical testing methods identified in Table G.30-4 is based on the following considerations:

- e. the physical form of the waste;
- f. constituents of concern;
- g. required detection limits (*e.g.*, regulatory thresholds); and
- h. information requirements (e.g., waste classification).

6.4.2 Quality Assurance/Quality Control

All sampling and analysis will be conducted in accordance with QA/QC procedures defined by the latest revision of "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (*SW-846*) (EPA, 1986) or other Department-approved procedures. Field sampling procedures and laboratory analyses will be evaluated through the use of QA/QC samples to assess the overall quality of the data produced. QC samples evaluate precision, accuracy, and potential sample contamination associated with the sampling and analysis process, and is described in the following sections, along with information on calculations necessary to evaluate the QC results.

6.4.2.1 Field Quality Control

The field QC samples that will be collected are trip blanks, field blanks, field duplicates, and equipment rinsate blanks. Table G.30-5 presents a summary of QC sample types, applicable analyses, frequency, and acceptance criteria. QC samples will be given a unique sample identification number and submitted to the analytical laboratory as blind samples. QC samples will be identified on the applicable forms so that the results can be applied to the associated sample.

6.4.2.2 Analytical Laboratory QC Samples

QA/QC considerations are an integral part of analytical laboratory operations. Laboratory QA ensures that analytical methods generate data that are technically sound, statistically valid, and that can be documented. QC procedures are the tools employed to measure the degree to which these QA objectives are met.

6.4.3 Data Reduction, Verification, Validation, and Reporting

Analytical data generated by the activities described in this closure plan will be verified and validated. Data reduction is the conversion of raw data to reportable units, transfer of data between recording media, and computation of summary statistics, standard errors, confidence intervals, and statistical tests.

6.4.4 Data Reporting Requirements

Analytical results will include all pertinent information about the condition and appearance of the sampleas-received. Analytical reports will include:

- a. a summary of analytical results for each sample;
- b. results from QC samples such as blanks, spikes, and calibrations;
- c. reference to standard methods or a detailed description of analytical procedures; and
- d. raw data printouts for comparison with summaries.

The laboratory will describe sample preparations that occur during the analysis in sufficient detail so that the data user can understand how the sample was analyzed.

7.0 WASTE MANAGEMENT

All waste generated during closure will be controlled, handled, characterized, and disposed of in accordance with Permit Section 9.4.5, Permit Attachment C (*Waste Analysis Plan*), and Facility waste management procedures. Closure activities may generate different types of waste materials; these wastes are listed with potential disposal options in Table G.30-2 of this closure plan. Subsequent disposition options for the decontaminated structures and equipment include reuse, recycling, or disposal. Reusable protective clothing, tools, and equipment used during decontamination will be cleaned with a wash water solution.

8.0 CLOSURE CERTIFICATION REPORT

Upon completion of the closure activities at the permitted unit, a closure certification report will be prepared and submitted to the Department for review and approval in accordance with Permit Section 9.5.

9.0 REFERENCES

- DOE, 1995. "DOE Methods for Evaluating Environmental and Waste Management Samples," DOE/EM-0089T, Rev. 2. Prepared for the U.S. Department of Energy by Pacific Northwest Laboratory, Richland, Washington.
- EPA, 1986 and all approved updates. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA-SW-846, U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, U.S. Government Printing Office, Washington, D.C.
- EPA, 2002. "RCRA Waste Sampling Draft Technical Guidance Planning, Implementation, and Assessment," EPA530-D-02-002, August 2002, Office of Solid Waste, U.S. Environmental Protection Agency, Washington, DC.
- NIOSH, 1994. The National Institute for Occupational Health and Safety (NIOSH) *Manual of Analytical Methods*, 4th ed. Issue 1. 1994.

Closure Schedule for the Technical Area 55, Building 4, Room G12, Indoor Container Storage Unit

Activity	Maximum Time Required
Notify the Department of intent to close.	-45 Days
Final receipt of waste.	Day 0
Complete waste removal.	Day 90
Complete records review and structural assessment.	10 days after completed waste removal or 100 days after final receipt of waste
Complete all closure activities and submit final closure certification report to the Department.	Day 180

Potential Waste Materials, Waste Types, and Disposal Options

Potential Waste Materials	Waste Types	Disposal Options
	Non-regulated solid waste	Subtitle D landfill
	Hazardous waste	The PPE will be treated to meet Land Disposal Restriction (LDR) treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.
Personal protective equipment (PPE)	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its state analog, or an authorized off-site radioactive waste disposal facility.
	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill or the Waste Isolation Pilot Plant (WIPP), as appropriate.
	Non-regulated liquid waste	Sanitary sewer
Decontamination	Hazardous waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.
wash water	Radioactive liquid waste	Radioactive Liquid Waste Treatment Facility (RLWTF)
	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill or WIPP, as appropriate.
	Non-regulated solid waste	Subtitle D landfill or recycled
Metal	Hazardous waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.

Potential Waste Materials, Waste Types, and Disposal Options

Potential Waste Materials	Waste Types	Disposal Options
	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its state analog, or an authorized off-site radioactive waste disposal facility.
	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, or WIPP, as appropriate.
	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its state analog, or an authorized off-site radioactive waste disposal facility.
Discarded concrete	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill or WIPP, as appropriate.
	Non-regulated solid waste	Subtitle D landfill, recycled, or reused
	Hazardous waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.
	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its state analog, or an authorized off-site radioactive waste disposal facility.
Discarded waste management equipment	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill or WIPP, as appropriate.
- Tarkmont	Non-regulated solid waste	Subtitle D landfill
	Hazardous waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.

Potential Waste Materials, Waste Types, and Disposal Options

Potential Waste Materials	Waste Types	Disposal Options
	Low-level radioactive solid waste	Either an authorized on-site radioactive waste disposal area that is not undergoing closure under RCRA or its state analog, or an authorized off-site radioactive waste disposal facility.
Sampling equipment	Mixed waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill or WIPP, as appropriate.
	Non-regulated solid waste	Subtitle D landfill
	Hazardous waste	Waste will be treated to meet LDR treatment standards, if necessary, and disposed in a Subtitle C or D landfill, as appropriate.

Analyte Class and Sample Type	Container Type and Materials	Preservation	Holding Time
	Metals		
TCLP/Total Metals: Arsenic, Barium,	Aqueous Media:	Aqueous Media:	180 Days
Cadmium, Chromium, Lead,	500-mL Wide Mouth- Polyethylene or Glass with Teflon	HNO ₃ to $pH < 2$	
Selenium, Silver	Liner	Cool to 4 °C	
	Solid Media:	Solid Media:	-
	125-mL Glass	Cool to 4 °C	
TCLP/Total Mercury	Aqueous Media:	Aqueous Media:	28 Days
Wereury	500-mL Wide Mouth-	HNO ₃ to pH \leq 2	
	Polyethylene or Glass with Teflon Liner	Cool to 4 °C	
	Solid Media:	Solid Media:	
	125-mL Glass	Cool to 4 °C	
	Volatile Organic Con	npounds	
Target Compound Volatile Organic	Aqueous Media:	Aqueous Media:	14 days
Compounds	Two 40-mL Amber Glass Vials	HCl to pH<2	
	with Teflon-Lined Septa	Cool to 4 °C	
	Solid Media:	Solid Media	-
	125-mL Glass or Two 40-mL Amber Glass Vials with Teflon-	Cool to 4 °C	
	Lined Septa	Add 5 mL Methanol or Other Water Miscible Organic Solvent to 40-mL Glass Vials	
	Semi-Volatile Organic	Compounds	

Sample Containers^a, Preservation Techniques, and Holding Times^b

			2
Target Compound	Aqueous Media:	Aqueous Media:	Seven days from field
Semi-volatile			collection to
Organic Compounds	Four 1-L Amber Glass with	Cool to 4 °C	preparative
	Teflon-Lined Lid		extraction. 40 days
			from preparative
	Solid Media:	Solid Media:	extraction to
			determinative
	250-mL Glass	Cool to 4 °C	analysis.
			5

^a Smaller sample containers may be required due to health and safety concerns associated with potential radiation exposure, transportation requirements, and waste management considerations.

^b Information obtained from "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," *SW-846*, U.S. Environmental Protection Agency, 1986 and all approved updates.

°C = degrees Celsius

HCl = hydrochloric acid

 $HNO_3 = nitric acid$ L = Liter

mL = milliter

TCLP = Toxicity Characteristic Leaching Procedure

Summary of Analytical Methods

Analyte	EPA <i>SW-846</i> Analytical Method ^a	Test Methods/ Instrumentation	Target Detection Limit ^b	Rationale
		Metal Analysis		
Arsenic	7060A °, 7061A	FLAA, GFAA	10 ug/L	
Barium	7080A ^d , 7081 ^c	FLAA,GFAA	200 ug/L	
Cadmium	7130 ^d , 7131A ^c	FLAA, GFAA	2 ug/L	-
Chromium	7190 ^d , 7191 ^c	FLAA, GFAA	10 ug/L	-
Lead	7420 ^d , 7421 ^c	FLAA, GFAA	5 ug/L	- Determine the metal concentration in the samples.
Mercury	7470A, 7471A ^e	CVAA	0.2 ug/L	-
Selenium	7740°, 7741A	FLAA, GFAA	5 ug/L	
Silver	7760A ^d , 7761 ^c	FLAA, GFAA	10 ug/L	-
		Organic Analysis		
Target compound list VOCs plus ten tentatively identified compounds (TIC)	8260B	GC/MS	10 mg/L	Determine the VOCs concentration in the samples.
Target compound list SVOCs plus 20 TICs	8270D °	GC/MS	10 mg/L	Determine the SVOCs concentration in the samples.

^a U.S. Environmental Protection Agency (EPA), 1986 and all approved updates, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," *SW*-846.

^b Detection limits listed for metals are for clean water. Detection limits for organics are expressed as practical quantitation limits. Actual detection limits may be higher depending on sample composition and matrix type.

^c Method being integrated into Method 7010, per the May 1998 SW-846 Draft Update IVA.

^d Method being integrated into Method 7000B, per the May 1998 SW-846 Draft Update IVA.

^e Method being revised to 7471B per the May 1998 *SW*-846 Draft Update IVA.

CVAA = Cold-vapor atomic absorption spectroscopy;GFAA= Graphite furnace atomic absorption spectroscopy;FLAA = Flame atomic absorption spectroscopy;mg/LGC/MS = Gas chromatography/mass spectrometry;milligramsug/L=milligramsperliter;ug/L=milligramsperliter;ug/L=milligramsperliter;ug/L=milligramsperliter;milligramsug/L=milligramsperliter;milligramsug/L=milligramsperliter;milligramsug/L=milligramsperliter;milligramsug/L=milligramsperliter;milligramsug/L=milligramsperliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligramsliter;milligrams</tr

Quality Control Sample Types, Applicable Analyses, Frequency, and Acceptance Criteria

QC Sample Type	Applicable Analysis ^a	Frequency	Acceptance Criteria
Trip Blank	VOC	One set per shipping cooler containing samples to be analyzed for VOCs	Not Applicable
Field Blank	VOC/SVOC, metals	One sample daily per analysis	Not Applicable
Field Duplicate	Chemical	One for each sampling sequence	Relative percent difference less than or equal to 20 percent
Equipment Rinsate Blank ^b	VOC/SVOC, metals	One sample daily	Not Applicable

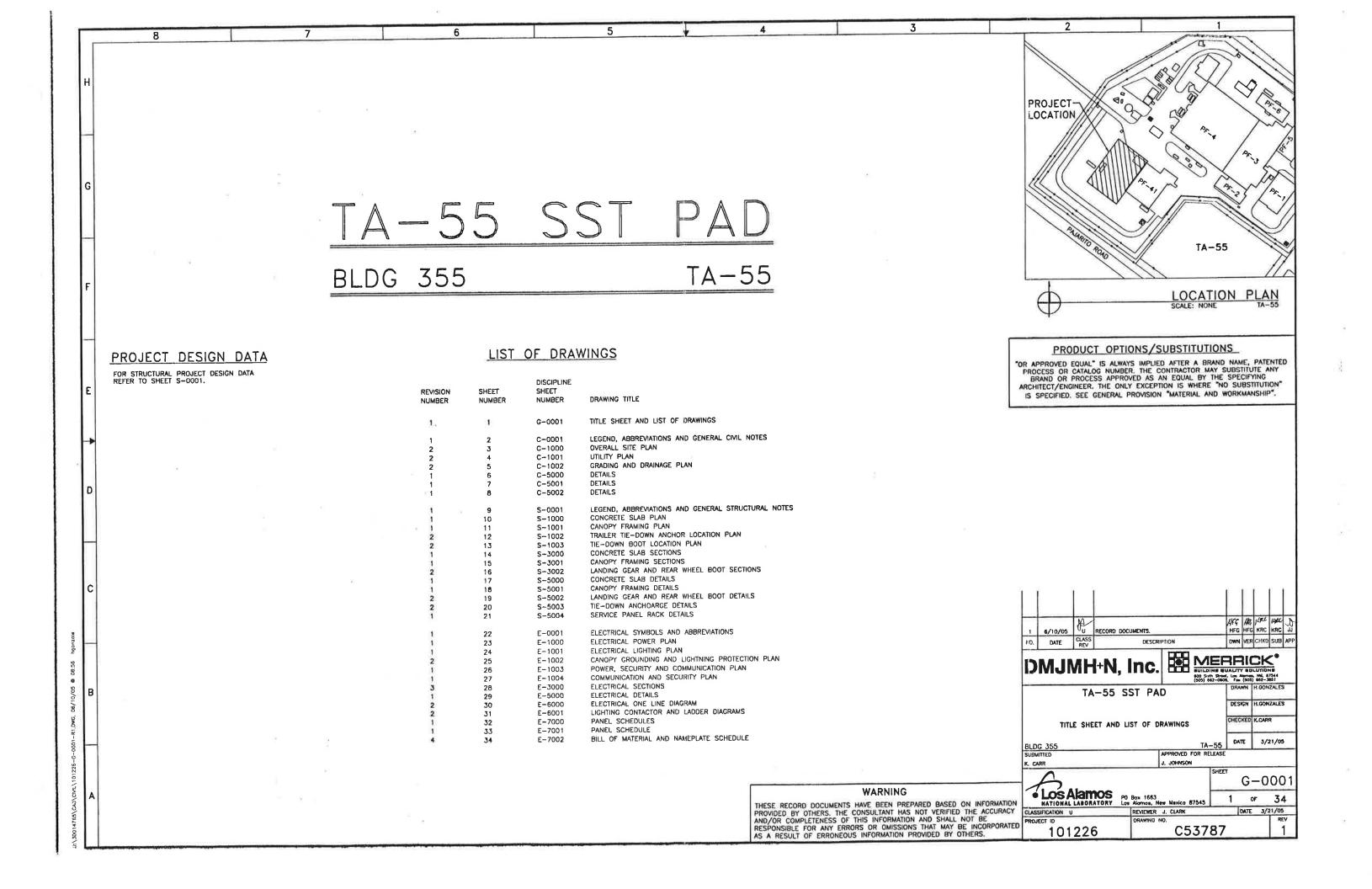
^a For VOC and SVOC analysis, if blank shows detectable levels of any common laboratory contaminant (*e.g.*, methylene chloride, acetone, 2-butanone, toluene, and/or any phthalate ester), sample must exhibit that contaminant at a level 10 times the quantitation limit to be considered detectable. For all other contaminants, sample must exhibit the contaminant at a level 5 times the quantitation level to be considered detectable.

^b Collected only if reusable sampling equipment used.

Figure G.30-1 has been provided under separate cover

ATTACHMENT E

TA-55-0355 PAD DESIGN DRAWINGS



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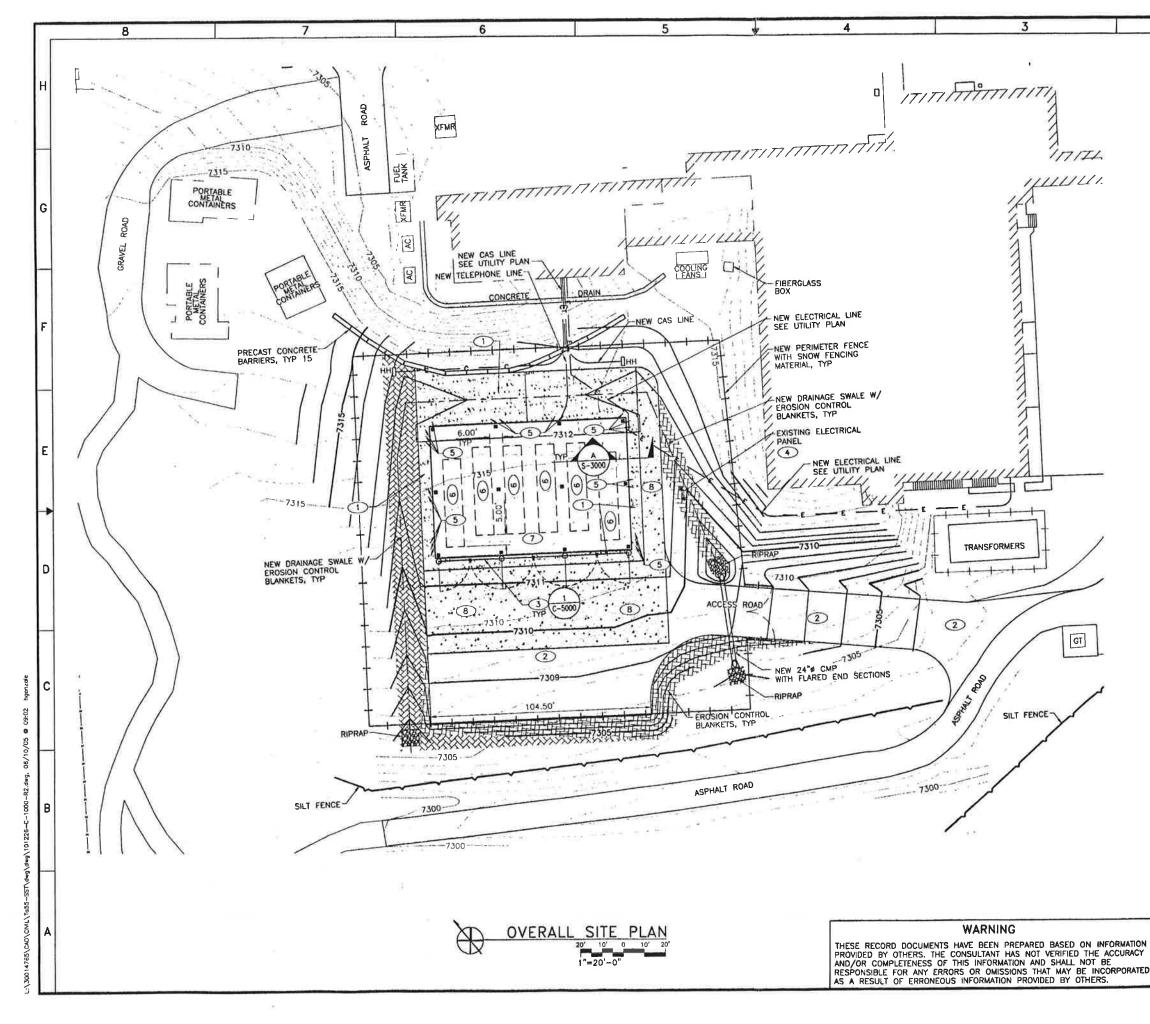
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UTILITY/CONTOUR BACKGROUND DATA IS FURNISHED BY LANL UMAP DEPARTMENT AND MAY NOT FOLLOW LANL STANDARDS. SOFTWARE PRESENTATION GRANDFATHERED IN FOR LANL USE.

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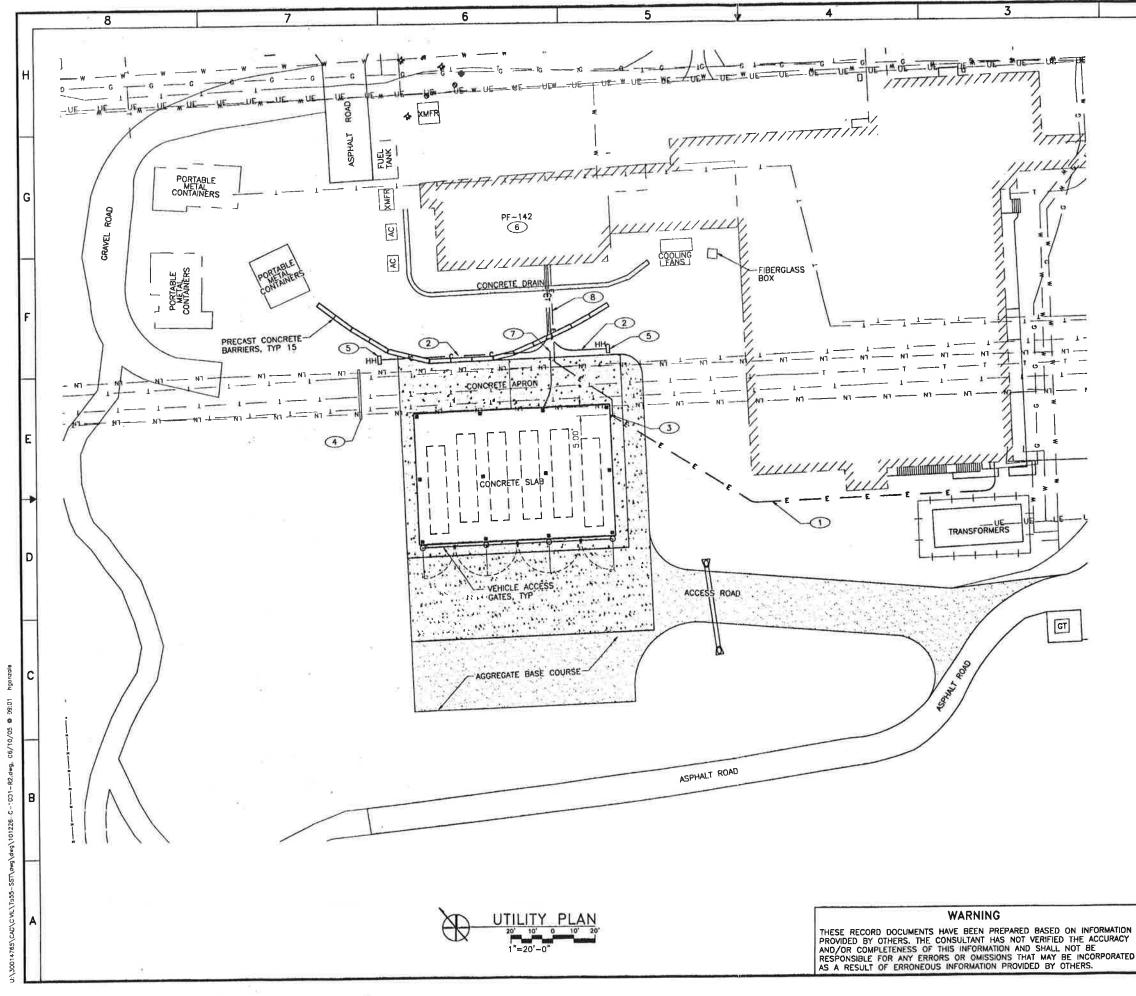
- 2. THE CONTRACTOR SHALL HAVE A COPY OF THE EXCAVATION PERMIT PRIOR TO BEGINNING ANY WORK ON THE SITE. COORDINATE START OF CONSTRUCTION WITH LANL AND FACILITY MANAGER.
- 3. THE LOCATIONS OF THE EXISTING UTILITIES ARE BASED ON A SITE SURVEY OF VISIBLE COMPONENTS, MAPS AND OTHER INFORMATION PROVIDED BY LANL. THE ACTUAL LOCATION MAY VARY. THE CONTRACTOR MUST REQUEST LOCATIONS FOR ALL UTILITIES FROM LANL PRIOR TO BEGINNING ANY WORK.
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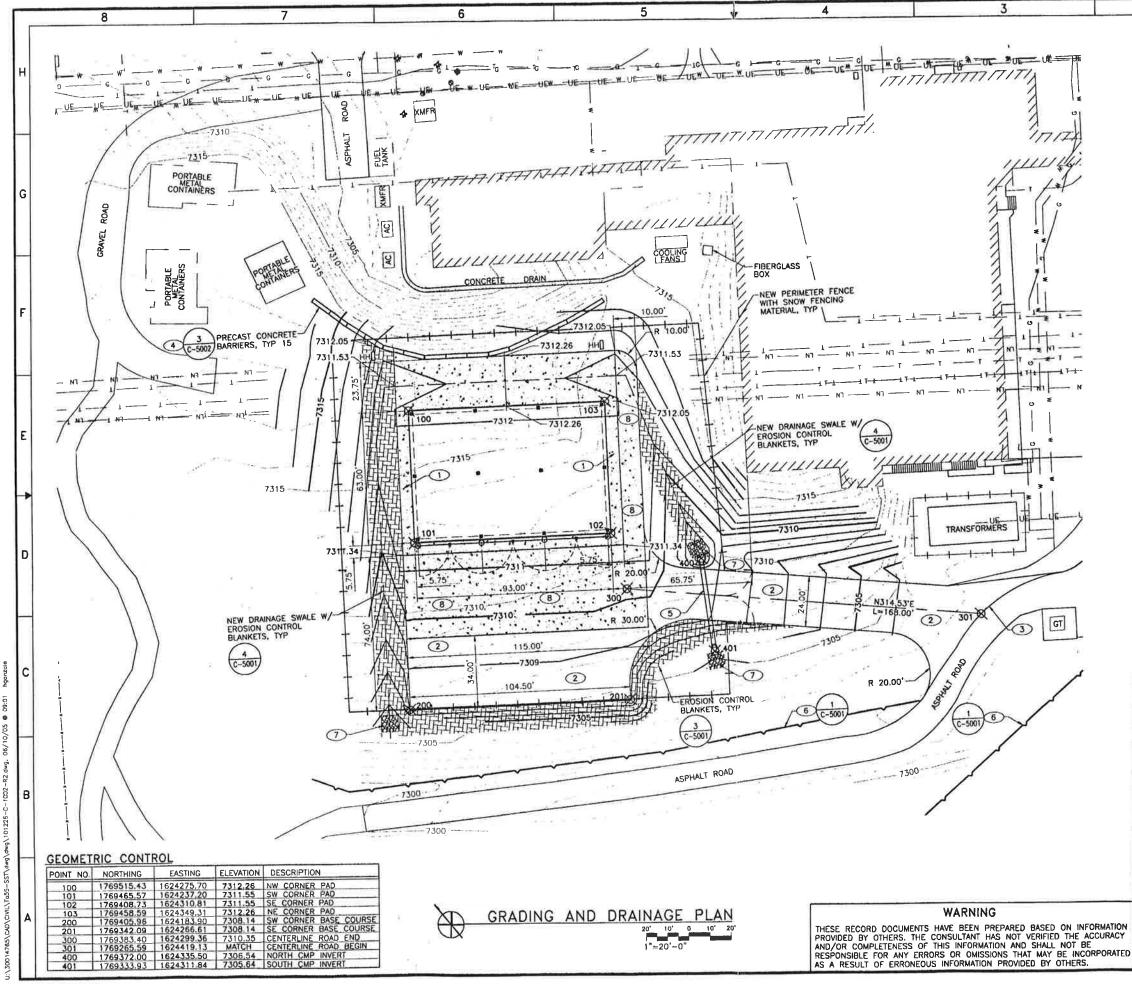


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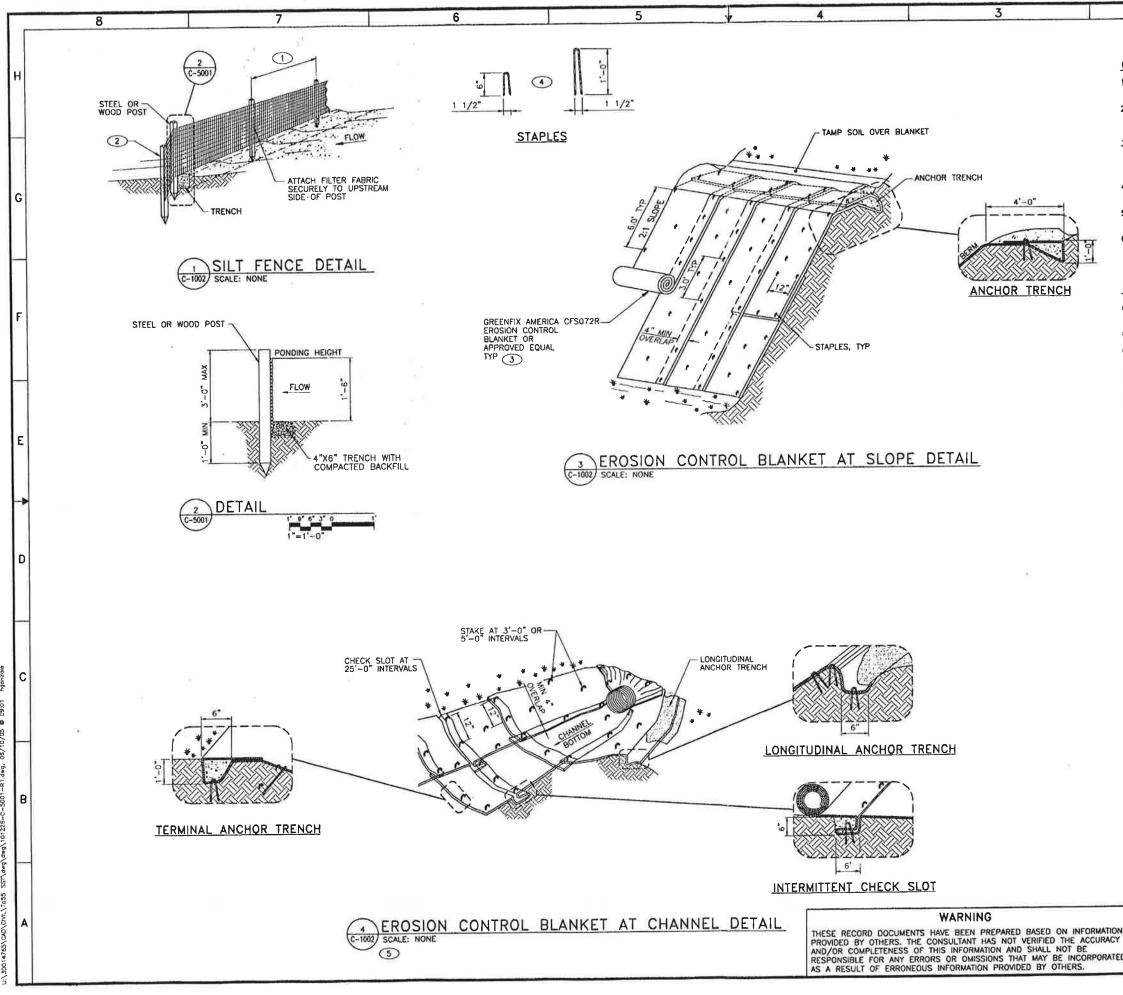
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GENERAL NOTES

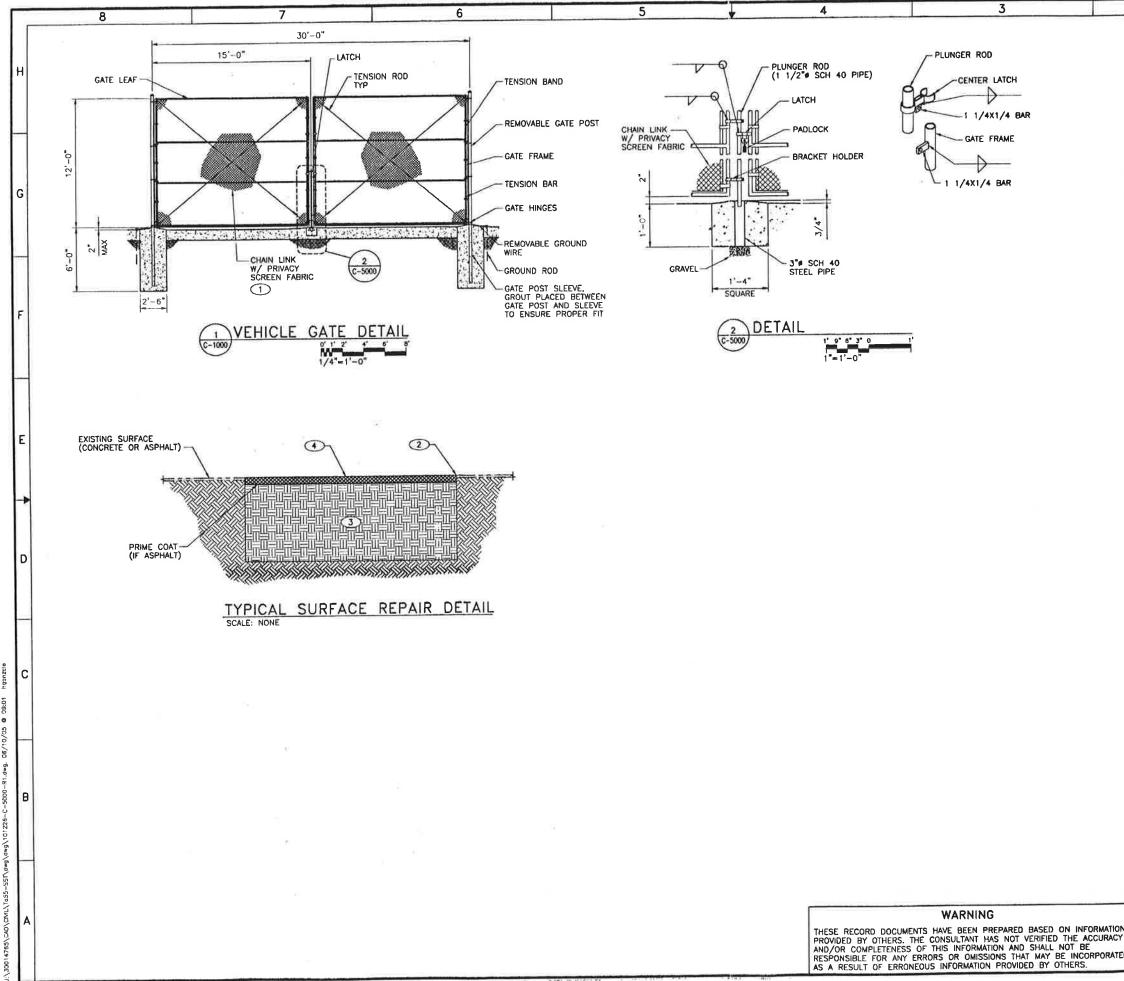
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- 1. IF THIS SHEET IS NOT 36 X 24 THEN IT IS A REDUCED SIZE PLOT. USE GRAPHIC SCALE ACCORDINGLY.
- SILT FENCE SHALL ONLY BE USED ON NON-ASPHALT OR NON-CONCRETE SURFACES WHERE A TRENCH FOR THE LEADING EDGE OF THE FILTER FABRIC CAN BE EXCAVATED.
- APPLY PERMANENT SEEDING BEFORE PLACING EROSION CONTROL BLANKETS. REFER TO SECTION 02936 OF THE PROJECT SPECIFICATIONS FOR GUIDANCE ON SEED BED PREPARATION, SEED MIX, AND APPLICATION RATE OF SEED.
- 4. SLOPE SURFACES SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS TO ENSURE ADEQUATE SOIL CONTACT.
- 5. LAY EROSION CONTROL BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
- BLANKETS SHOULD BE INSTALLED VERTICALLY DOWN THE SLOPE COVERING THE ENTIRE LENGTH OF THE SLOPE, ENSURE THAT THE FULL EXTENT OF THE DISTURBED AREA IS COVERED.

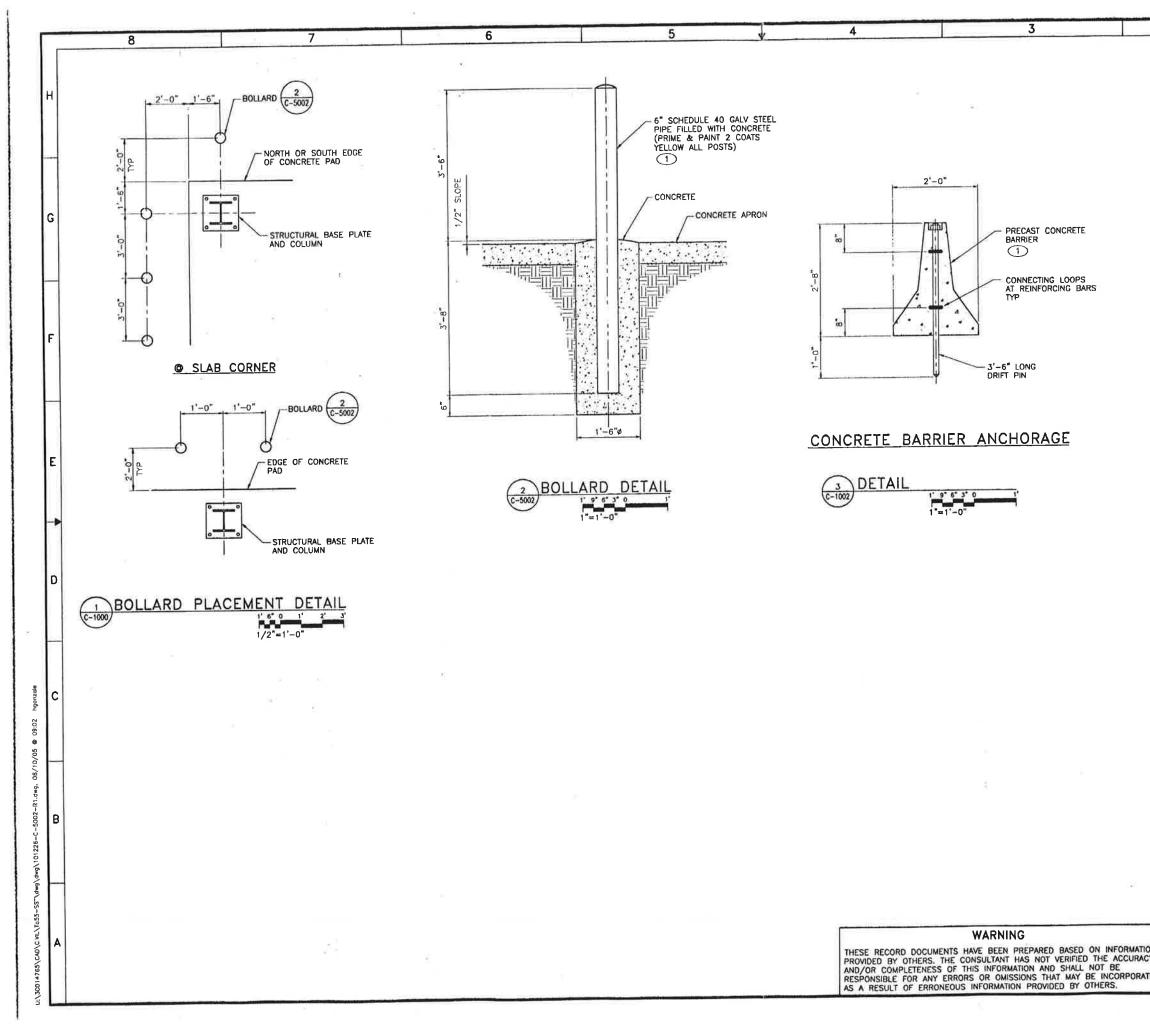
KEYED NOTES

- 10 FEET MAXIMUM SPACING WITH WIRE SUPPORT FENCE. 6 FEET MAXIMUM SPACING WITHOUT WIRE SUPPORT FENCE.
- (2) THE ENDS OF THE FENCE SHALL BE TURNED UPHILL.
- (3) FOLLOW MANUFACTURER'S RECOMMENDATION FOR EROSION CONTROL BLANKET INSTALLATION.
- 5 FOR CHANNEL INSTALLATION USE ANCHOR TRENCH AT DOWNSTREAM AND UPSTREAM ENDS OF PROJECT. UNROLL MATS IN UPSTREAM DIRECTION. INSTALL INTERMITTENT CHECK SLOT AT 25'-0" INTERVALS. ANCHOR AT TOP EDGE OF CHANNEL WITH LONGITUDINAL ANCHOR TRENCH. FOR SLOPE INSTALLATION LONGITUDINAL ANCHOR SLOT, CHECK SLOT, TERMINAL ANCHOR TRENCH NOT REQUIRED.

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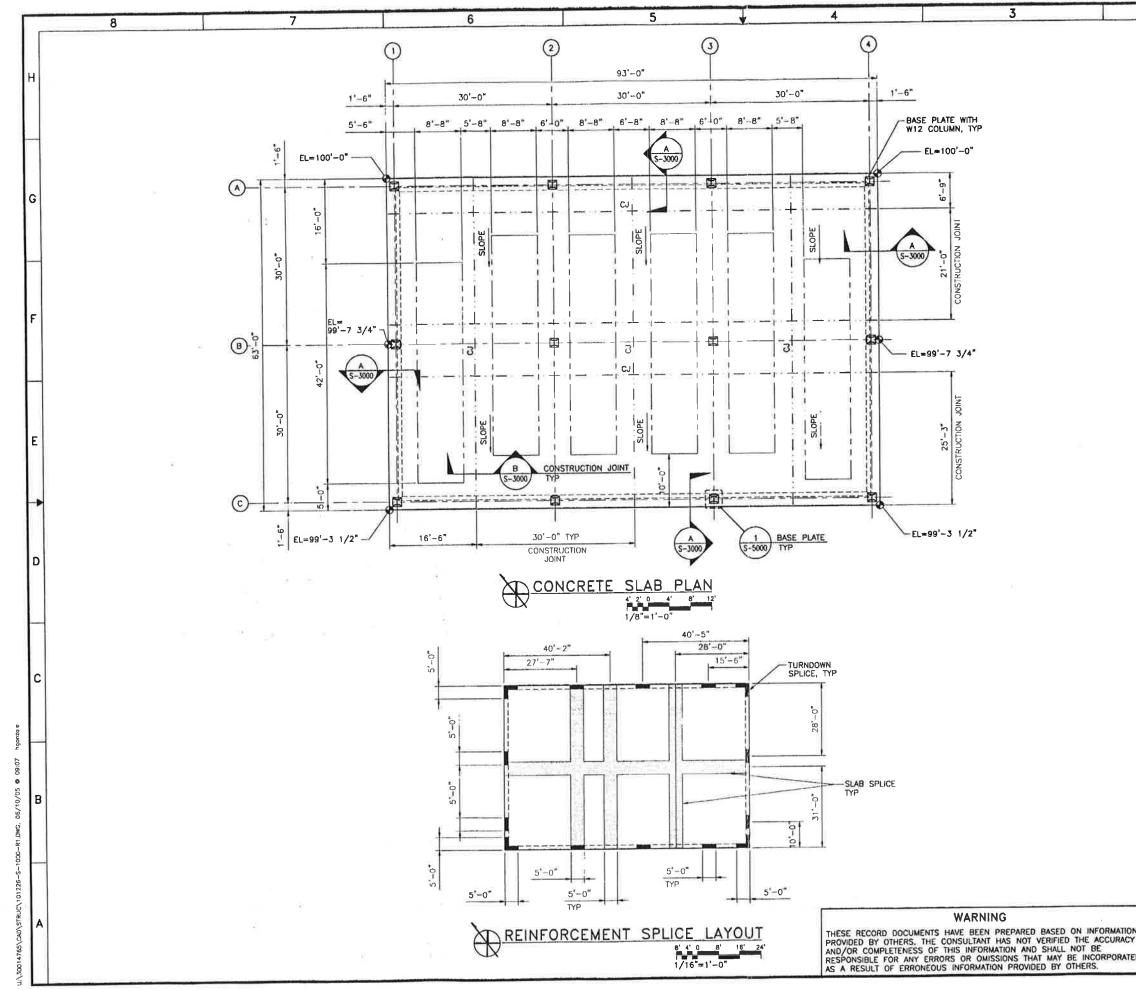


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Ü	SE GRAPHIC SCALE ACCORDINGLY.
2. SI	URFACE REPAIR DETAIL ONLY REQUIRED IF EXISTING CONCRETE OR SPHALT IS DAMAGED.
	ED_NOTES ATTACH PRIVACY SCREEN FABRIC TO CHAIN LINK GATE FRAME
	PER MANUFACTURERS RECOMMENDATIONS. REMOVE CONCRETE OR ASPHALT TO NEAT LINES AS REQUIRED
3	TO REMOVE UNSATISFACTORY SUBGRADE. REMOVE SUBGRADE MATERIAL AS REQUIRED TO ESTABLISH
9	SATISFACTORY SUBGRADE. COMPACT EXISTING GROUND. THEN BACKFILL WITH UNCLASSIFIED BORROW TO WITHIN 10 INCHES OF THE TOP OF THE EXISTING SURFACE, PLACE A MINIMUM OF 6 INCHES CRUSHED TUFF. COMPACT AS SPECIFIED.
٢	INSTALL 4 INCHES OF CONCRETE OR PMBP IN TWO-2 INCH LAYERS (LIFTS) COMPACTED AS REQUIRED.
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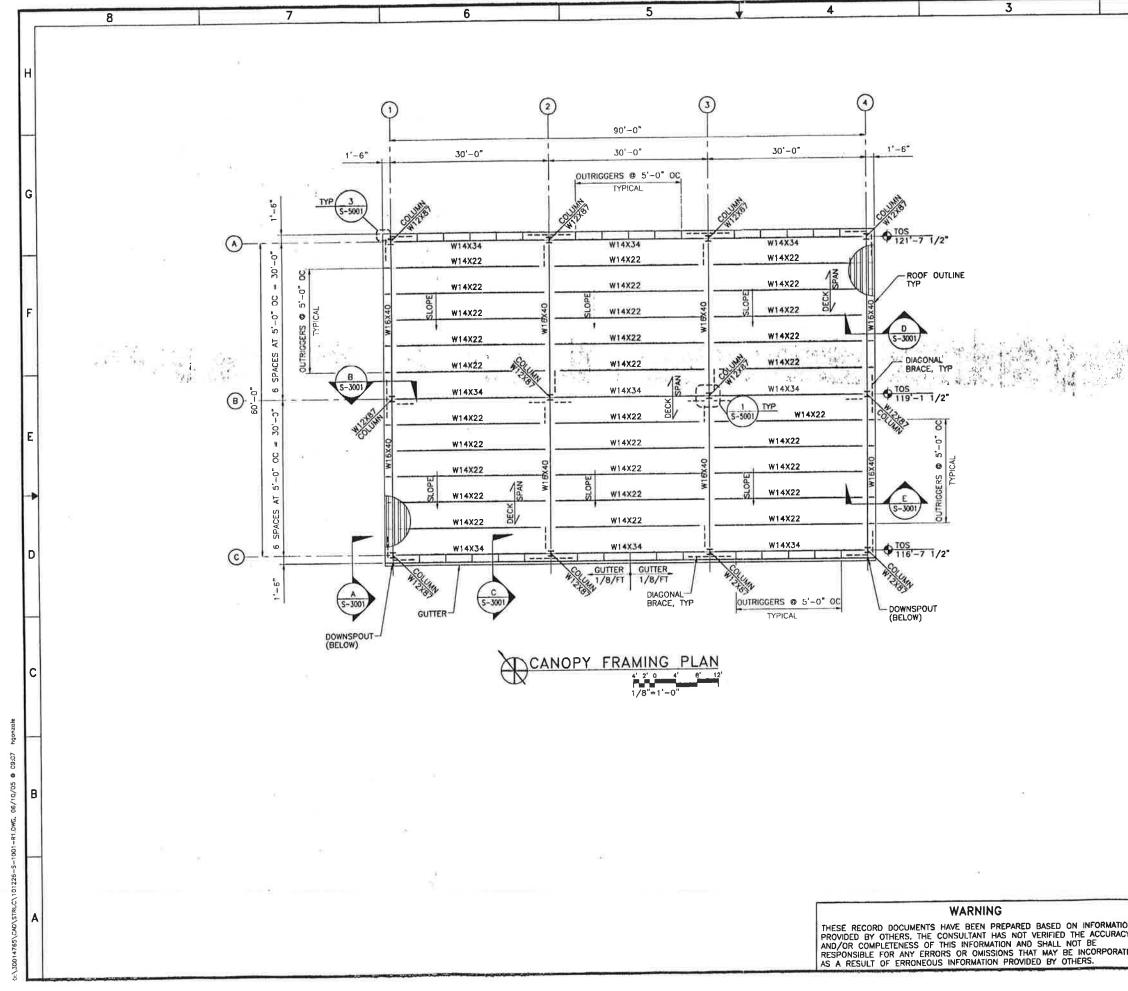
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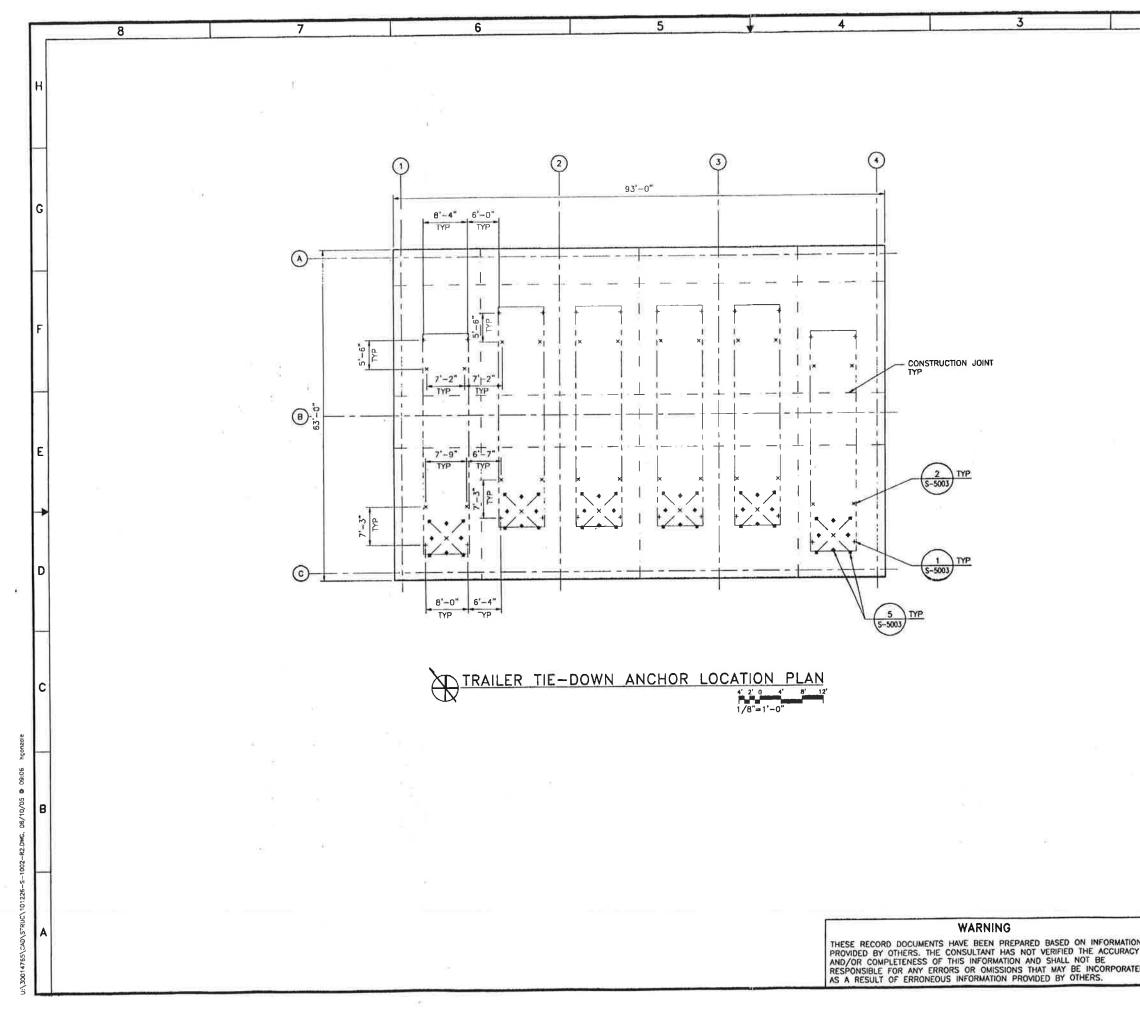
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	TA-55 SS CONCRETE SI	DESCRIPTION	NPPROVED F J. JOHNSON W MERICO B J. CLARK	TA- TA- TA- TA- TA- TA- TA-	-55 LEASE SHEET	HFO DWN DWN Fea DRAY DESII	HFG VER IIC IIC IIC IIC IIC IIC IIC IIC IIC II	TAL CHKD CHKD CHKD CUTTOR 1002-3 100-3 100-3 1002-3 1002-3 1002-3 1002-3 1002-3 1002-3	KRC SUB	33 APF S S S S S S S S S S S S S S S S S S S

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Γ	0			GEN GEN GEN GEN GEN	ERAL STRUCTU
	LEGEND	LIST OF	ABBREVIATIONS	GENERAL STRUCTURAL NOTES	
	NEW CONSTRUCTION	10711	AMERICAN SOCIETY FOR TESTING & MATERIALS	GENERAL	<u>CTURAL_STEEL</u> RIALS: (UNLESS OTHERV
		ASTM ATR	ALL THREADED ROD	FXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK. STRUC	CTURAL STEEL WIDE FL
	CENTERLINE		AMERICAN WELDING SOCIETY	ALL SECTIONS AND DETAILS SHALL BE CONSIDERED TYPICAL AND APPLY FOR BOLTS	CTURAL STEEL ANGLES
	EXISTING CONSTRUCTION	AWS	CONSTRUCTION JOINT	THE SAME AND SIMILAR SITUATIONS THROUGHOUT THE STRUCTURE, ORLESS OTHERWISE SPECIFICALLY NOTED.	3/8"# 3/4"# and 1"#
		CJ	CLEAR	STRUCTURAL DESIGN CRITERIA NUTS	500
		CLR	CONTINUOUS		NG ELECTRODE
		CONT	CENTERLINE	2. D0E-STD-1020-2002 ANCH	OR BOLTS, CAST IN PL OR BOLTS, POST INSTA
		۳ <u>د</u> DIA	DIAMETER		IN, FABRICATION, AND URRENT "AMERICAN INS
		DIAG	DIAGONAL	FENCING PC-1 AND	CODE OF STANDARD PI
	G.	EL	ELEVATION	ALL V	VELDING SHALL CONFO
		EMBED	EMBEDMENT		STEEL SHALL BE PAINT
		EQ	EQUAL		R INSTALLATION TOUCH
		ESM	LANL ENGINEERING STANDARDS MANUAL	USE USE	TURN-OF-THE-NUT PE
		EW	EACH WAY	PROT	RUDING END OF THE E
		FT.	FOOT		LENGTH NOT MORE T
		GALV	GALVANIZED	NÔN-AFFECTED ITEMS.	LENGTH NOT MORE THAN
		GFE	GOVERNMENT FURNISHED EQUIPMENT	DESIGN ROOF LOADS DIAME	LENGTH MORE THAN TER: 1/2 TURN.
	15	HEX	HEXAGON		OR_BOLTS
		HHCS	HEXAGON HEAD CAP SCREWS	DESIGN_WIND_LOADS	INSTALLED ANCHORS
		HORIZ	HORIZONTAL	WIND VELOCITY = 90 MPH (PC-1), 96 MPH (PC-2), 117 MPH (PC-3)	L ROOF DECK
		LG	LONG	IMPORTANCE FACTOR = 1.0 META	L ROOF DECK SHALL
		LLH	LONG LEG HORIZONTAL	DESIGN SNOW LOADS	GOLD FORMED STEE
		ШV	LONG LEG VERTICAL		L ROOF DECK SHALL
	10	мах	MAXIMUM		SUPPORTS,
		MIN	MINIMUM	MANU	L ROOF DECK SHALL
		OC	ON CENTER	SEISMIC CATEGORY D	VALLEY AT ALL SUPP C. ALL FASTENERS S
		OPP	OPPOSITE	IMPORTANCE FACTOR I=1.5 SDS = 0.54 SDI = 0.26	
		OD	OUTER DIAMETER	PC-3 PGA = 0.34G USING LANL ESM RESPONSE SPECTRA	
		e e	PLATE	CONCRETE	
		PLCS	PLACES	CEMENT SHALL CONFORM TO ASTM C180, TYPE I OR Type II, Adgregates Shall Conform to Astm C33.	
		SCH	SCHEDULE	CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF f'c = 4000 psi IN 28 DAYS.	
		SIM	SIMILAR	ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING	
		SQ	SQUARE	BARS MUST FOLLOW THE LATEST ACT CODE AND THE LATEST ACT "MANUAL OF STANDARD PRACTICE FOR DETAILING	
		SST	SECURE STORAGE TRANSPORT	REINFORCED CONCRETE STRUCTURES".	
		STD	STANDARD	REINFORCING STEEL SHALL BE 60,000 PSI ASTM A-615.	
	5 -	STIFF	STIFFENER	NO TACK WELDING OF REINFORCING SHALL BE PERMITTED.	
		тнк	THICK	ALL CONCRETE SHALL BE AIR-ENTRAINED $(5\% \pm 1\%)$.	
		THRU	THROUGH	PROVIDE 3/4" X 45' CHAMFER AT ALL EXPOSED EDGES.	
		TOC	TOP OF CONCRETE	CONCRETE FINISH SHALL BE WITH A LIGHT BROOM FINISH.	
		TOS	TOP OF STEEL	MINIMUM_COVER_(IN.)	
		TYP	TYPICAL	1. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3	
		UNO	UNLESS NOTED OTHERWISE	2. CONCRETE EXPOSED TO EARTH OR WEATHER	
		w/	WITH	#6 THROUGH #8 BARS: 2 #5 BAR AND SMALLER: 1 1/2	
		WP	WORK POINT	LAP SPLICE LENGTH FOR #6 BARS IS 58 INCHES.	
		ø	DIAMETER	LAP SPLICE LENGTH FOR #7 BARS IS 46 INCHES.	
		r -			
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				WARNING	
				THESE PEODO DOCUMENTS HAVE BEEN PREPARED	BASED ON INFORMA
1				PROVIDED BY OTHERS, THE CONSULTANT HAS NOT AND ADD CONCUMPLETENESS OF THIS INFORMATION AND	SHALL NOT BE
1				RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT	T MAY BE INCORPOR

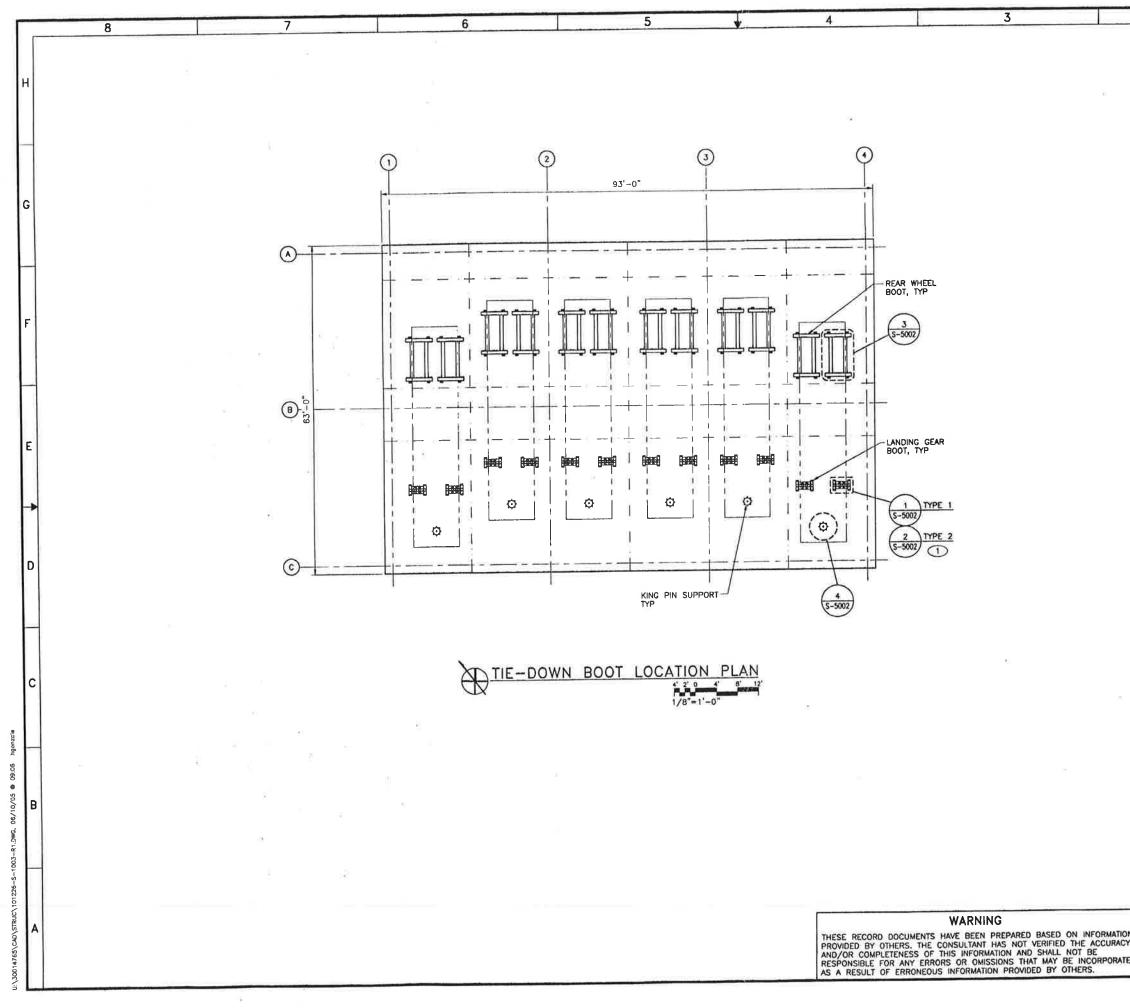
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AL NOTES (CONT'D)		
NOT 10750)		
IISE NOTED) INGE SHAPES	ASTM A992	
AND PLATES	ASTM A36	
	ASTM A307 ASTM A325	
	ASTM A563 ASTM F436	
ACE	ASTM E70XX LOW HYDROGEI ASTM F1554, GRADE 36	4
LED, DRILLCO MAXI-BOLTS	ASTM A193, GRADE B7	
RECTION OF STRUCTURAL STEEL TITUTE OF STEEL CONSTRUCTION	SHALL CONFORM SPECIFICATION	
ACTICE.		
M TO THE AMERICAN WELDING S - STEEL."		
D RED PRIMER OFF-SITE BEFOR UP DAMAGED AREAS WITH RED	E INSTALLATION. PRIMER.	
ETENSIONING METHOD TO TIGHTE	N BOLTS.	
GHT CONDITION (MATCH MARKING OLT WAY BE HELPFUL AFTER SN NUT (OR BOLT) IS REQUIRED AS	G THE NUT AND IUG-TIGHTENING),	
AN 4 X BOLT DIAMETER: 1/3 TI	JRN.	
X BOLT DIAMETER BUT LESS T	HAN 8 X BOLT	
HALL BE INSTALLED IN UFACTURER'S RECOMMENDATIONS	i.	
E 22 GAGE FABRAL MIGHTI-RIB CONFORMING WITH ASTM A 653	PBR FABRICATED SS, GRADE 40,	
NG.		
E DETAILED AND FABRICATED TO		
E ATTACHED IN ACCORDANCE WI NDATIONS USING 2 SCREWS (#12 RTS, AND SIDE LAP FASTENERS	TH THE 2−24, TEK 5)	
ATS, AND SIDE LAP FASTENERS	(#10) AT	
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DMJMH+N,	INC. DUILDING UUA 900 Stati Street, L (603) 642-0604,	LITY BOLUTIONS AN ANTRAL MIL 87544 For (509) 682-3831
TA-55 \$	SST PAD	DRAWN H. GONZALES
		DESIGN A.NEILL
	EVIATIONS AND	HECKED D.ORLOWSKY
	CTURAL NOTES	DATE 3/21/05
BLDG 355 Submitted	TA-55 APPROVED FOR RELEASE	
K. CARR	J. JOHNSON SHEET	
-		S-0001
N NATIONAL LABORATORY L	O Box 1663 os Alamos, New Maxico 87545	
CLASSIFICATION U PROJECT ID	REVIEWER J. CLARK DRAWING NO.	DATE 3/21/05 REV
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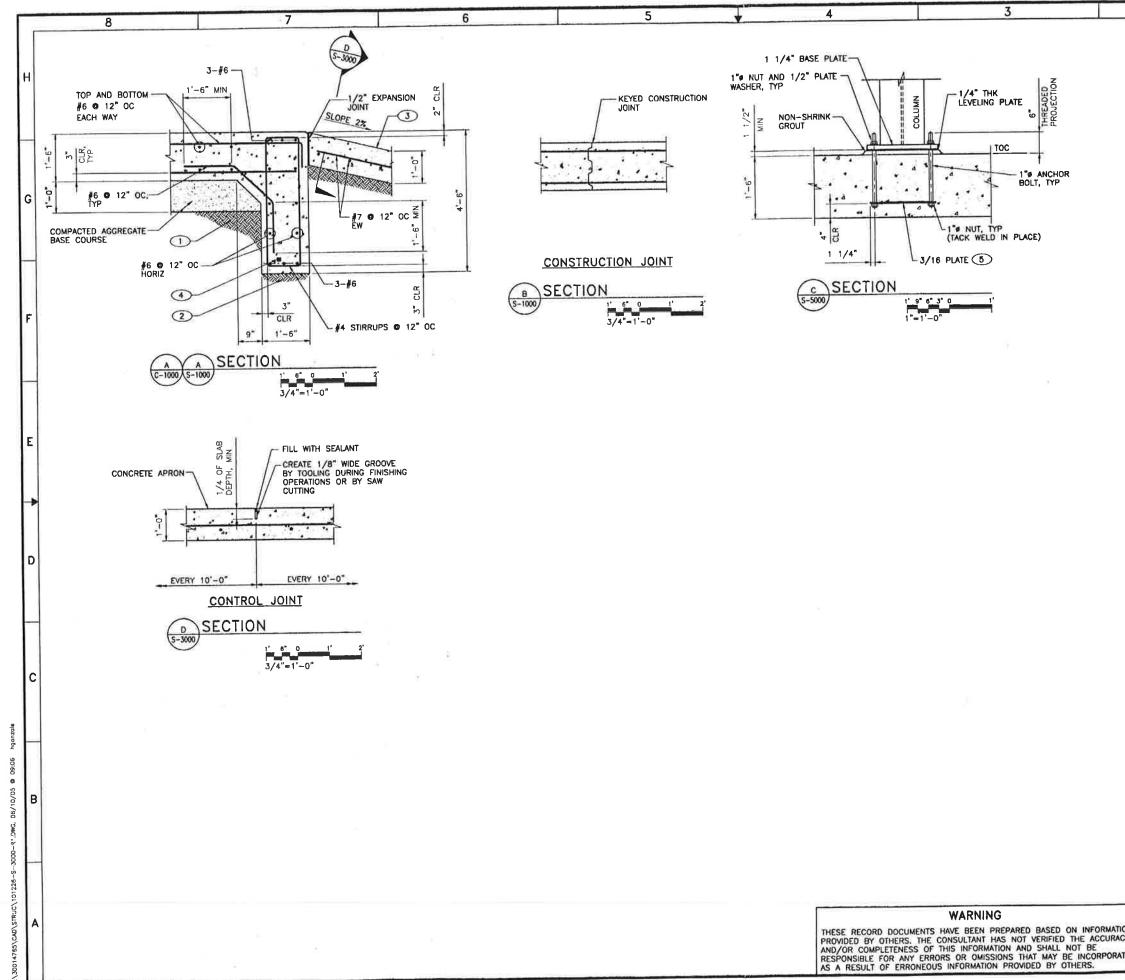
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	GENERAL NOTES	
1	I. IF THIS SHEET IS NOT 36 PLOT. USE GRAPHIC SCALE	X 24 THEN IT IS A REDUCED SIZE ACCORDINGLY.
:	2. FOR TIE-DOWN ANCHORAGE ANCHORAGE IS TO BE INST LEVELED POSITION ON THE	E ON SST'S, SEE SHEET S-5003. TIE-DOWN TALLED ONCE SST'S ARE IN THIER FINAL CONCRETE PAD.
	DIMENSIONS FOR ANCHORA	GE ARE SHOWN AS REFERENCE. FINAL DETERMINE DIMENSIONS FOR SLAB
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	DMJMH+N,	000 Stath Brant, Las Alerna, Na, 87944 (508) 842-0808, Fen (508) 847-3861
	TA-55 S	ST PAD
	TRAILER TIE-DOWN AND	CHOR LOCATION PLAN
	BLDG 355	TA-55 DATE 3/21/06
	SUEMITTED K. CARR	APPROVED FOR RELEASE J. JOHNSON
	AL OG AL	S-1002
N	CLASSIFICATION U	Box 1663 Addride, New Mexico 87545 12 OF 34 REVIEWER J. CLARK DATE 3/21/05
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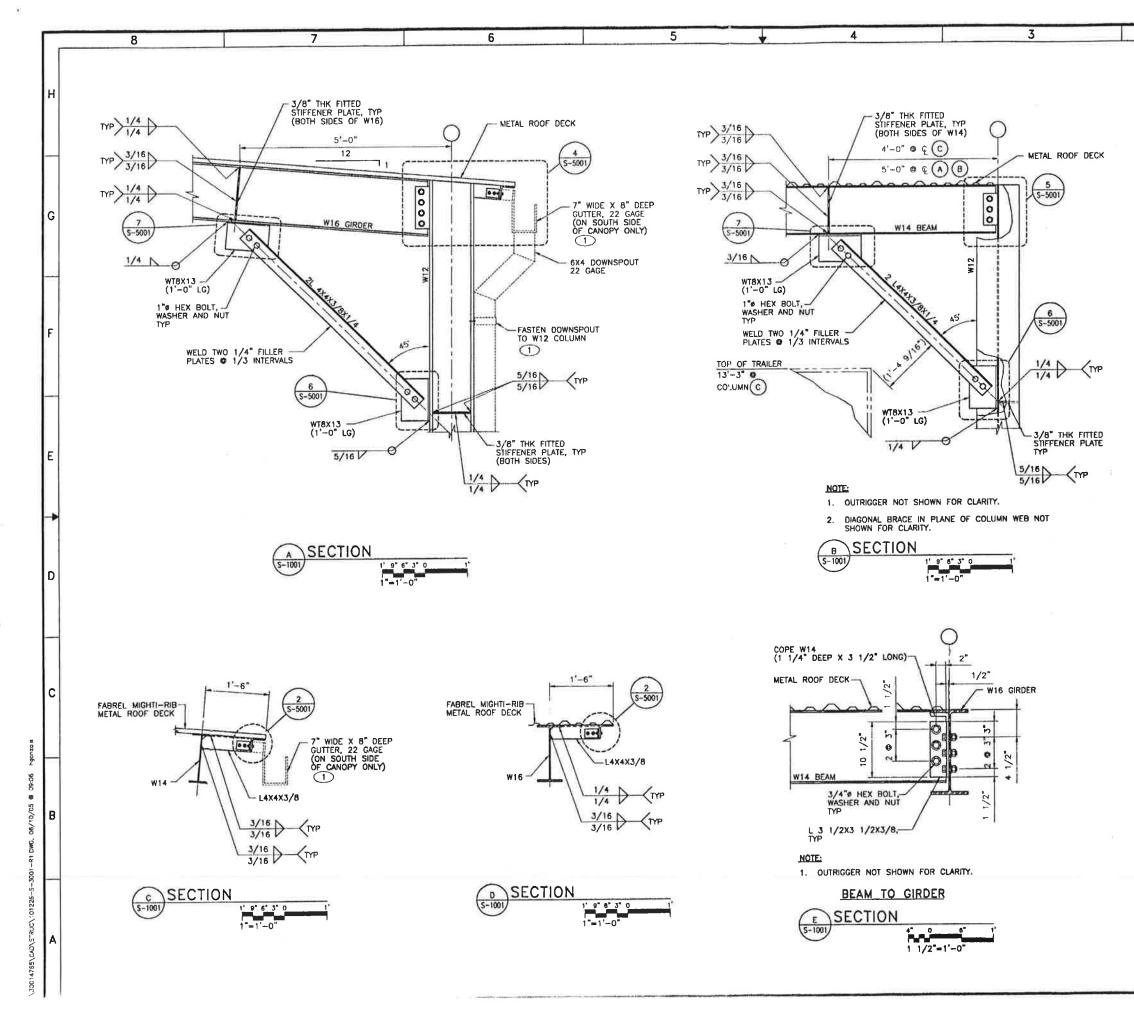
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	X 24 THEN IT IS A REDUCED SIZE ACCORDINGLY.
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	HOCKS FOR THE BOOTS TO PROVIDE A SNUG IN THE BOOT AND THE TIRE OR LANDING
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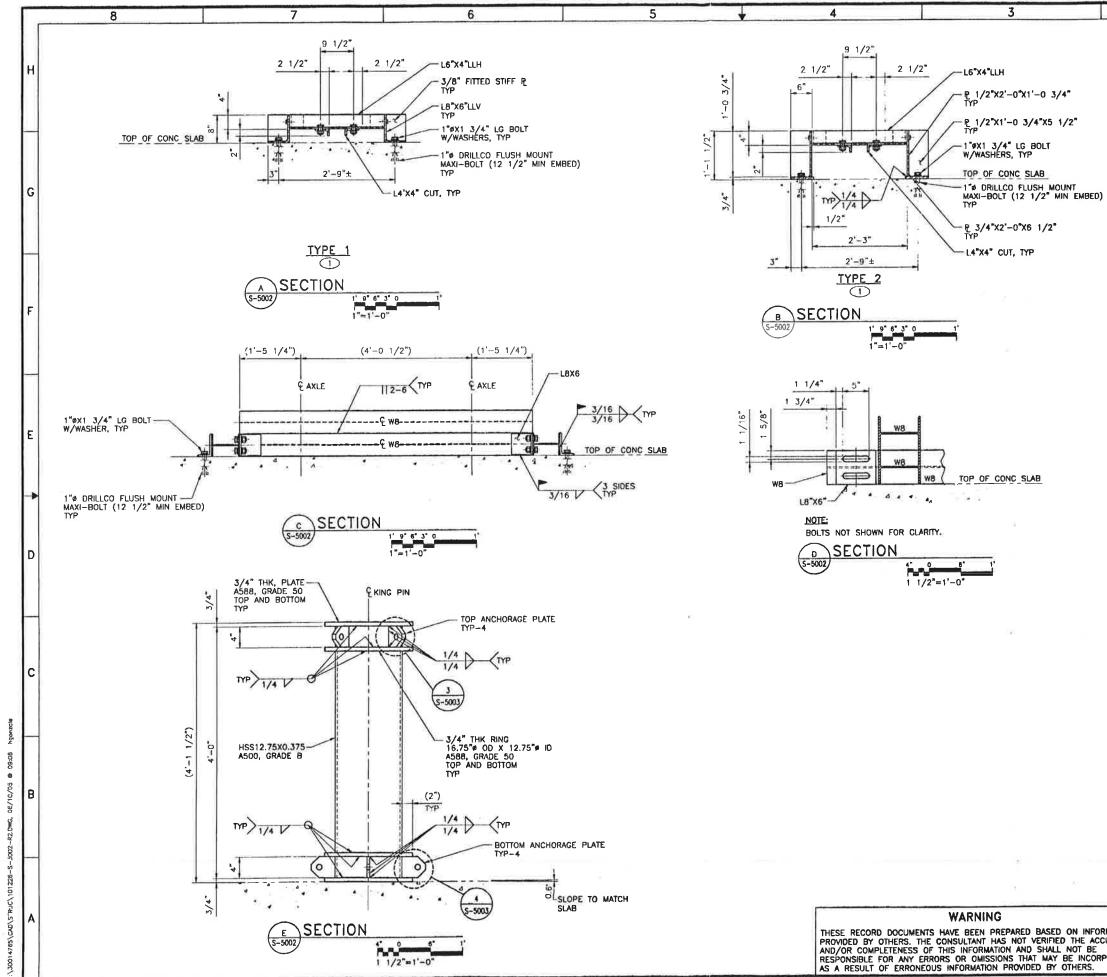
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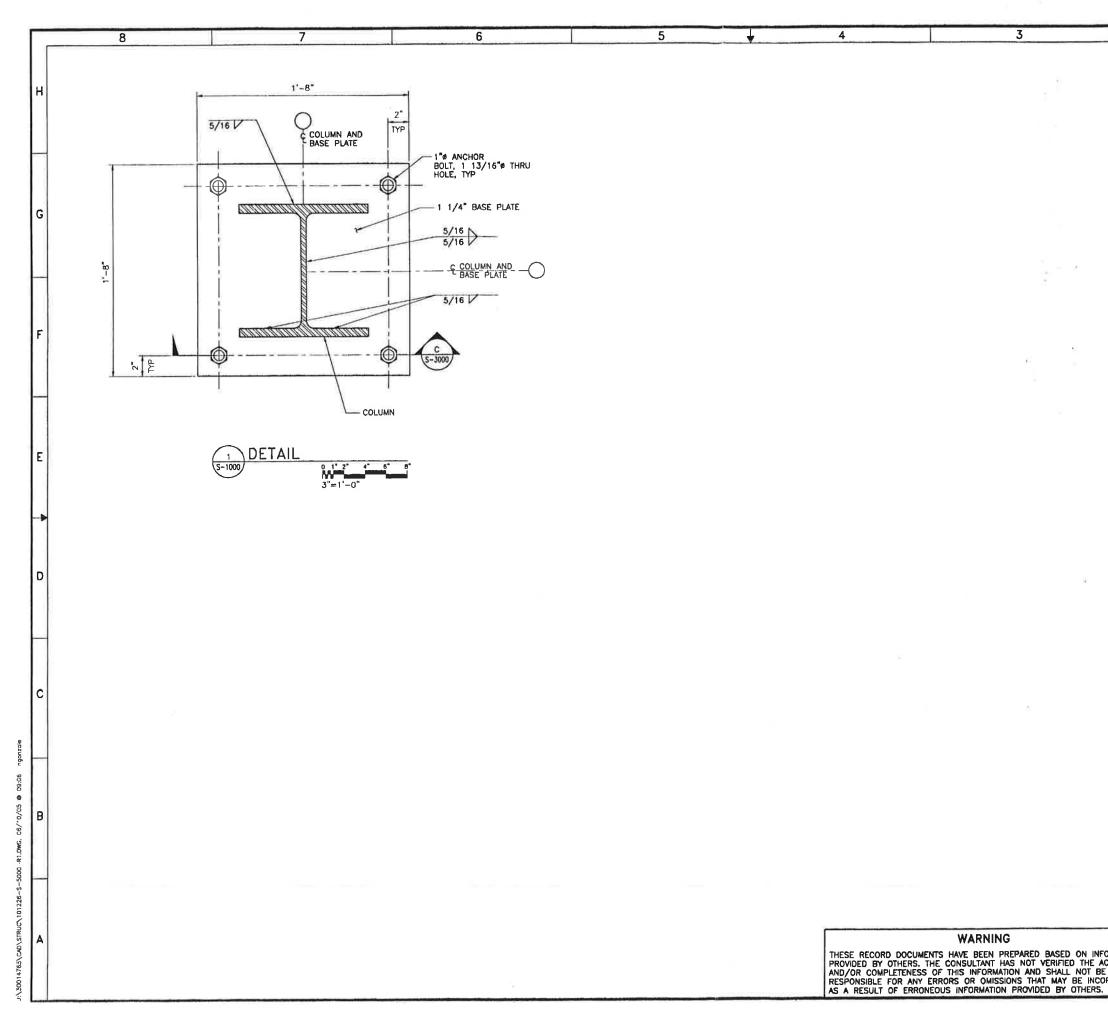
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• Los Alamos	Box 1847						-
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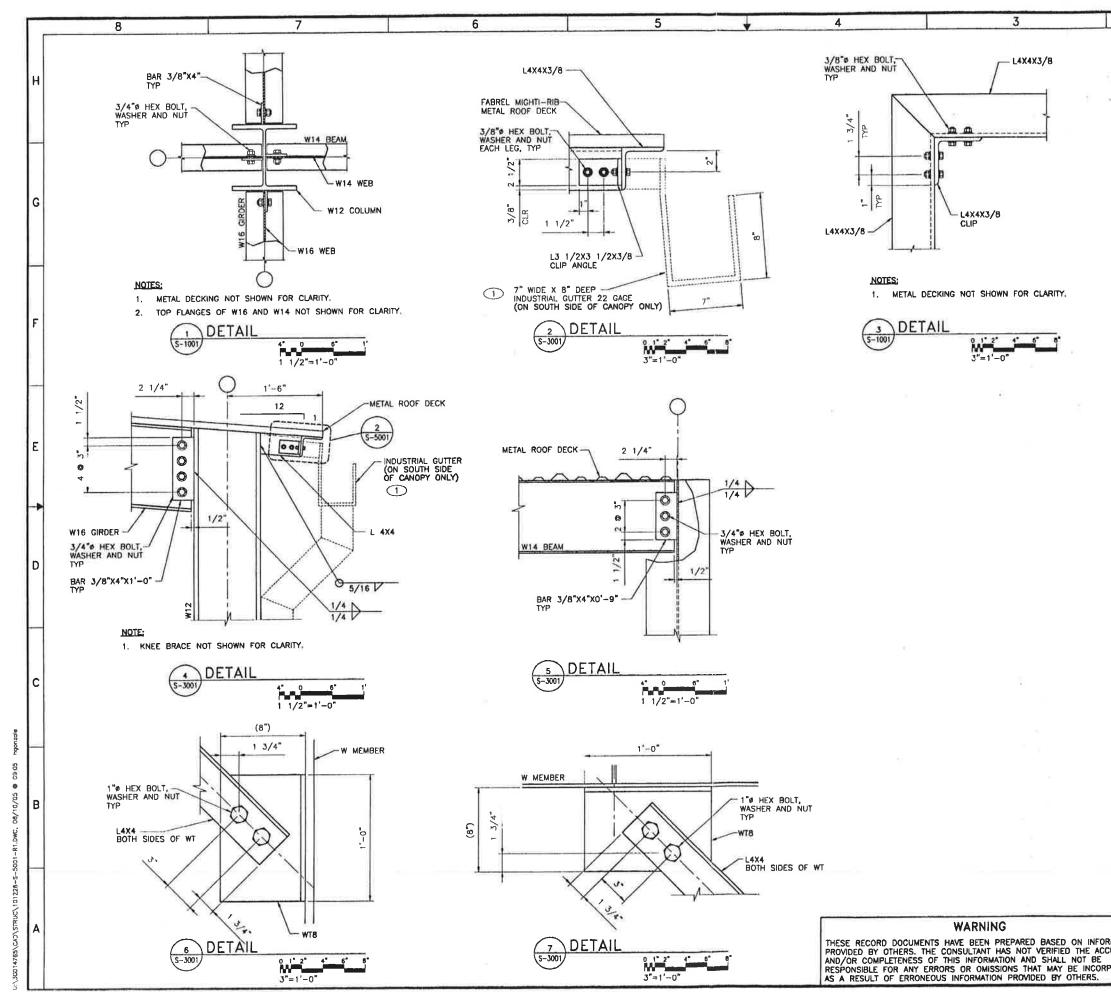


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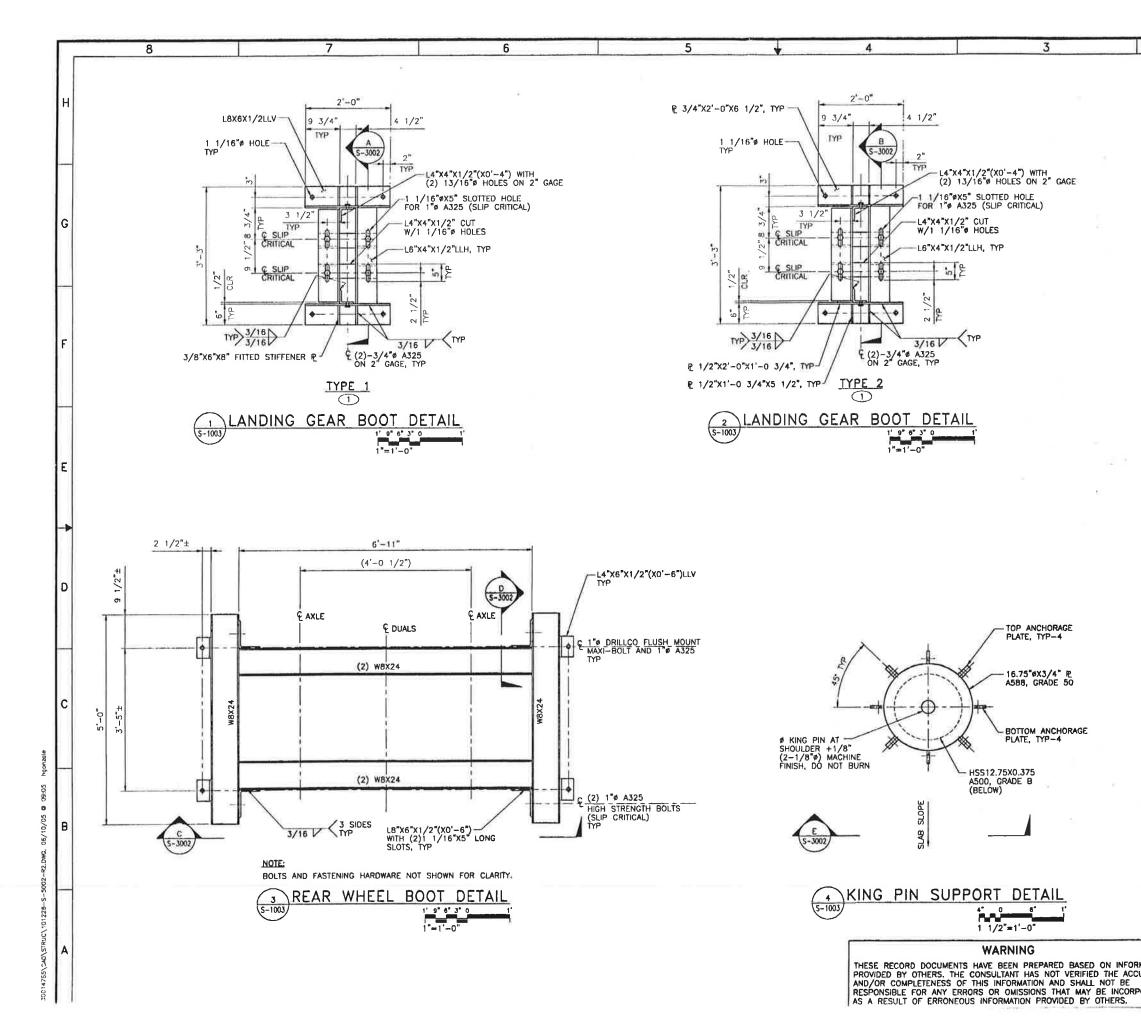


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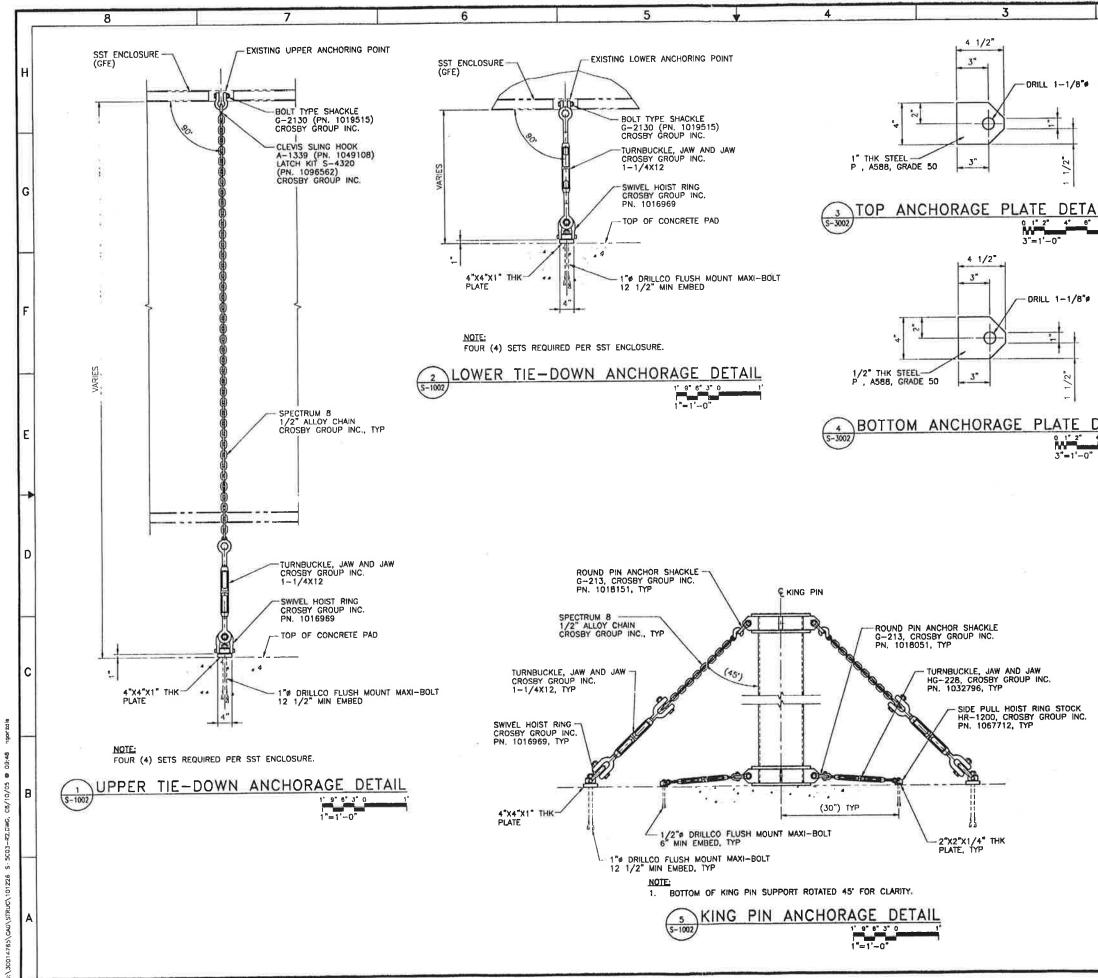
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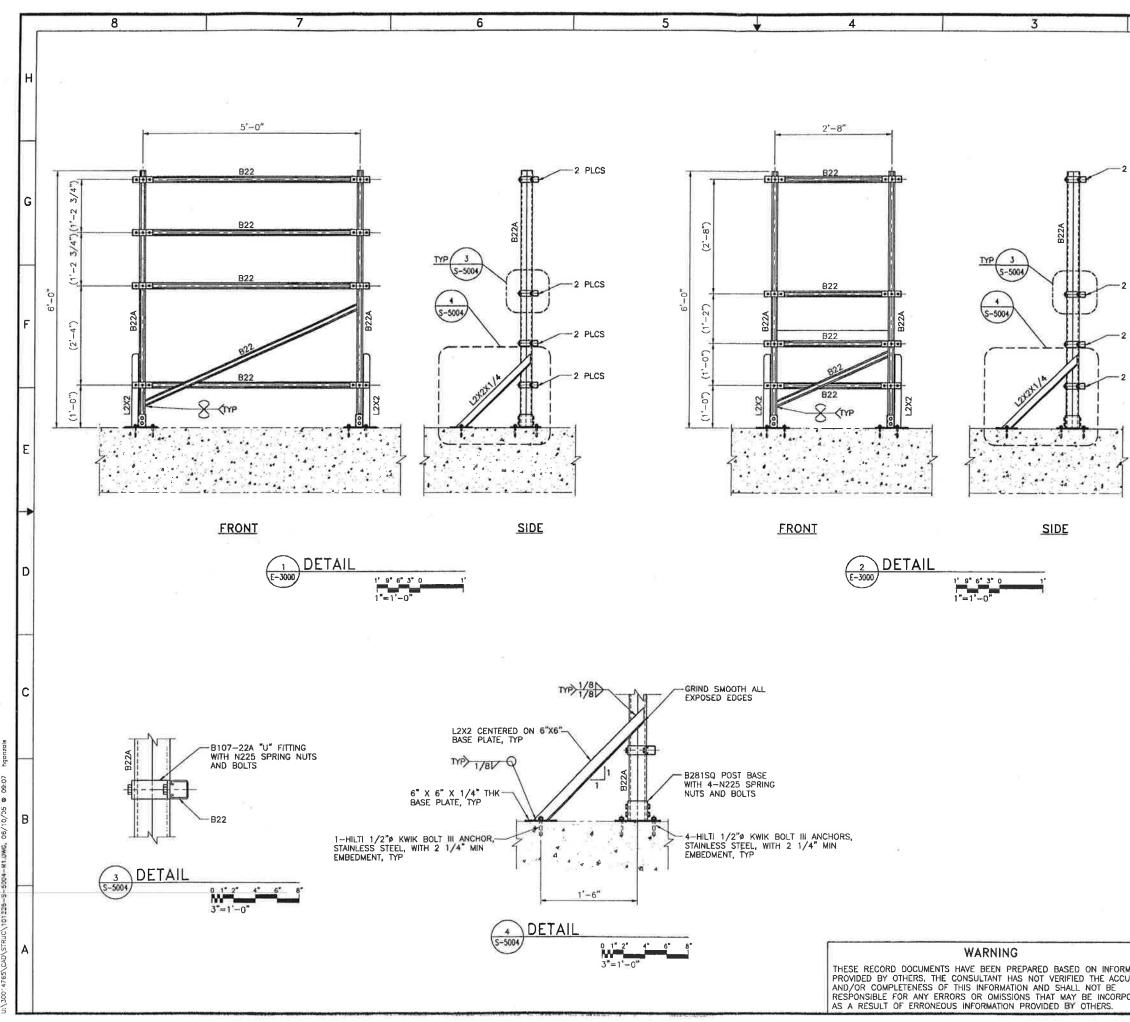
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