U.S. DEPARTMENT OF ENERGY

ESHID-603147

National Nuclear Security Administration
Los Alamos Field Office
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Los Alamos Field Office
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JUL 19 2018

Date:
Symbol: EPC-DO: 18-243
LA-UR: 18-23354
Locates Action No.: *N/A*

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

Subject: **Transmittal of Class 1 Permit Modification Request for the Addition of Treatment by Macroencapsulation, Los Alamos National Laboratory**

Dear Mr. Kieling:

The purpose of this letter is to submit a request to add treatment by macroencapsulation to the Los Alamos National Laboratory (LANL) Hazardous Waste Facility Permit (Permit), issued to the U.S. Department of Energy (DOE), Los Alamos National Security, LLC (LANS), and Newport News Nuclear BWXT-Los Alamos, LLC (N3B), collectively the Permittees. The permit modification provides proposed revisions to text in Permit Parts 1 and 8; and Attachments B, C, and J.

This proposed permit modification request has been prepared in accordance with the Code of Federal Regulations [CFR], Title 40 (40 CFR) § 270.42(a). This modification request includes the addition of treatment by macroencapsulation at permitted storage units. In accordance with Item F.1.c in Appendix I of 40 CFR § 270.42, the Permittees may submit a proposed Class 1 permit modification requiring prior approval to add a treatment process necessary to treat hazardous wastes that are restricted from land disposal to meet some or all applicable treatment standards. It is necessary for the Permittees to treat by macroencapulation to meet land disposal restrictions (LDR) treatment standard for hazardous debris waste and radioactive lead solids specified at 40 CFR § 268.42 and 40 CFR § 268.45.

The changes described within this request do not substantially alter the permitted container storage requirements or facility, and only add permit conditions as necessary to describe the treatment process and associated waste management requirements. The storage capacity for the waste containers allowed at each

of the units will not be increased by the changes proposed in this permit modification and will not significantly affect the overall waste processing operations at the facility.

Three hard copies and one electronic copy will be included with this submittal to the NMED-HWB. The hardcopy submittal contains pages or sections where text has been changed, rather than copies of the entire Permit Part or Permit Attachment. The electronic copy, provided only to the NMED-HWB, contains a reproduction of the hardcopy in portable document format (pdf) and the word processing files used to create the hardcopy.

Upon approval by the NMED-HWB, this permit modification will be sent to the NMED-HWB maintained LANL facility mailing list in accordance with 40 CFR § 270.42(a)(1)(ii)) within ninety days of the approval. If you have comments or questions regarding this permit modification, please contact Karen Armijo at (505) 665-7314, or Arturo Duran at (505) 665-7772.

Sincerely,

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy

Sincerely,

Arturo Q. Duran
Permitting and Compliance Manager
Environmental Management
U.S. Department of Energy

KEA/AQD/PLP:kr

Enclosure(s): Enclosure 1: Class 1 Permit Modification Request for Treatment by Macroencapsulation

Copy: Laurie King, USEPA/Region 6, Dallas, TX (E-File)
Neelam Dhawan, NMED-HWB, Santa Fe, NM, (E-File)
Siona Briley, NMED-HWB, Santa Fe, NM (E-File)
William S. Goodrum, NA-LA, (E-File)
Peter Maggiore, NA-LA, (E-File)
Jody M. Pugh, NA-LA, (E-File)
Karen E. Armijo, NA-LA, (E-File)
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Jose R. Munoz, NA-LA, (E-File)
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Ellen E. Gammon, N3B-CT, (E-File)
Craig S. Leasure, PADOPS, (E-File)
Denise C. Gelston, TA-55-RLW, (E-File)
William R. Mairson, ADESH, (E-File)
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Enrique Torres, EPC-DO, (E-File)
Keith A. Lacy, NPI-7, (E-File)
James S. Clemmons, IPM, (E-File)
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Subject: **Transmittal of Class 1 Permit Modification Request for the Addition of Treatment by Macroencapsulation, Los Alamos National Laboratory**

Dear Mr. Kieling:

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This proposed permit modification request has been prepared in accordance with the Code of Federal Regulations [CFR], Title 40 (40 CFR) § 270.42(a). This modification request includes the addition of treatment by macroencapsulation at permitted storage units. In accordance with Item F.1.c in Appendix I of 40 CFR § 270.42, the Permittees may submit a proposed Class 1 permit modification requiring prior approval to add a treatment process necessary to treat hazardous wastes that are restricted from land disposal to meet some or all applicable treatment standards. It is necessary for the Permittees to treat by macroencapulation to meet land disposal restrictions (LDR) treatment standard for hazardous debris waste and radioactive lead solids specified at 40 CFR § 268.42 and 40 CFR § 268.45.

The changes described within this request do not substantially alter the permitted container storage requirements or facility, and only add permit conditions as necessary to describe the treatment process and associated waste management requirements. The storage capacity for the waste containers allowed at each

ENCLOSURE 1

Class 1 Permit Modification Request for Treatment by Macroencapsulation

EPC-DO: 18-243

LA-UR-18-23354

Date: JUL 19 2018

Class 1 Permit Modification Request for Treatment by Macroencapsulation

This document contains a Class 1 permit modification request for the Los Alamos National Laboratory (LANL) Hazardous Waste Facility Permit (Permit) issued to the U.S. Department of Energy (DOE), Los Alamos National Security, LLC (LANS), and Newport News Nuclear BWXT-Los Alamos, LLC (N3B), collectively the Permittees. The U.S. Environmental Protection Agency (EPA) Number for this facility is NM0890010515. This Class 1 permit modification request has been prepared in accordance with the Title 40, Code of Federal Regulations (40 CFR) § 270.42(a)(2), Appendix I, Item F.1.c. This regulation allows for the modification of a hazardous waste facility permit with prior approval from the regulatory agency to add a treatment process that is necessary for treatment of hazardous wastes that are restricted from land disposal to meet some or all applicable treatment standards. This permit modification proposes the addition of treatment by macroencapsulation at container storage permitted units at the Los Alamos National Laboratory (LANL) to meet the macroencapsulation treatment standard in 40 CFR § 268.48 Table 1. This permit modification request has been drafted for review and approval by the New Mexico Environment Department (NMED) pursuant to the New Mexico Administrative Code 20.4.1.900, incorporating 40 CFR § 270.42.

Basis

This modification request has been prepared in accordance with the 40 CFR § 270.42(a)(2), Appendix I, Item F.1.c. This regulation allows for the modification of a hazardous waste facility permit with prior approval from the regulatory agency to add a treatment process that is necessary for treatment of hazardous wastes that are restricted from land disposal to meet some or all applicable treatment standards. It is necessary for the Permittees to treat by macroencapulation to meet land disposal restrictions (LDR) treatment standards. By the criteria of Appendix I, the addition of this treatment process can be incorporated into the permit utilizing a Class 1 modification requiring prior regulatory agency approval process. This process is appropriate because the only changes proposed to the permitted storage units are related to the addition of the treatment process, and are limited to the stated purpose of the class description. This modification results in no change to any of the permitted units storage capacities.

Description

This permit modification request proposes changes to container storage permitted units at LANL. All proposed changes are shown in redline-strikeout format to text in Permit Parts 1 and 8; and Attachments B, C, and J. These changes are enclosed as Attachment 1 to this modification request. Attachment 2 is a clean and certified copy of the revised Part A Application form for incorporation into Attachment B (*Part A Application*) of the Permit. Attachment 3 includes example instructions for the process to be used for macroencapsulation treatment. Attachment 4 includes a signed certification as required by 40 CFR § 270.11.

The changes will encompass the addition of treatment by macroencapsulation. The treatment objective of macroencapsulation is to utilize an EPA approved macroencapsulation treatment technology to meet the LDR treatment standard for hazardous debris waste and radioactive lead solids specified in 40 CFR § 268.42 and 40 CFR § 268.45.

The current proposed macroencapsulation technology is a three-component bag system made from high-strength polyethylene, polypropylene, and/or Polyvinyl chloride (PVC) coated nylon specifically formulated to resist contaminants and leachate. It consists of a zippered 12 oz. non-woven polypropylene and 3 oz. woven polypropylene inner liner with 700-lb triple wall cardboard inserts for structural shape and to protect the middle liner from damage. The middle liner is either a 12-mil reinforced polyethylene with a sliding zipper-type seal and tape closure, or PVC coated nylon with water and gas tight zipper. The outer shell is a 12-oz. non-woven polypropylene and 10-mil coated polyethylene with a zipper closure. The outermost bag protects the middle liner from damage and is a Department of Transportation (DOT) certified package for shipping to treatment, storage, and disposal facilities.

The soft-sided enclosure provides an additional sealing barrier (the middle layer), while the inner and outer layers protect the integrity of the middle layer. The inclusion of the hard-sided container within the interior of the soft-sided enclosure protects the soft-sided enclosure for the hazards of sharp edged hazardous wastes and helps distribute the load of heavy such materials providing an additional layer to maintain the integrity of the middle layer of the soft-sided enclosure. With the double layer of protection, expensive stainless steel drums and boxes can be avoided, making for a more economical disposal of the wastes. This closure system ensures a permanent and impermeable barrier between the waste debris and the outside environment.

Example instructions for the process to be used for macroencapsulation treatment is included in Attachment 3 of this enclosure.

Treatment by macroencapsulation capabilities will be available at the following permitted container storage units across the Facility:

TA-3-29
TA-50-69 Outdoor Pad
TA-54 Area G Pad 1
TA-54 Area G Pad 3
TA-54 Area G Pad 5
TA-54 Area G Pad 6
TA-54 Area G Pad 9
TA-54 Area G Pad 10
TA-54 Area G Pad 11

TA-54 Area G TA-54-33
TA-54 Area L Outdoor Pad
TA-54-38 West Outdoor Pad
TA-55-4, B40
TA-55-4, B45
TA-55-4 Outdoor Storage Pad
TA-55-355 Pad
TA-63 Transuranic Waste Facility

Closure activities for each of these units are included in Permit Attachment G, and no additional closure activities are necessary.

After treatment, the waste will meet LDR treatment standards for toxicity characteristic hazardous waste debris. The EPA hazardous waste numbers D004-D011 and D018-D043 will no longer apply to the waste.

Once waste is encapsulated, the waste will be transported to Nevada National Security Site (NNSS), Waste Control Specialists (WCS) or other approved off-site facility for disposal. Manifesting and transport of the waste to the off-site disposal facility will follow LANL procedures.

Discussion of Changes

All changes described below and are shown in redline-strikeout formatting within Attachment 1 of this document.

Permit Part 1, *General Permit Conditions*

Definition for Macroencapsulation was added.

Permit Part 8, *Treatment by Macroencapsulation*

Proposed permit conditions for treatment by macroencapsulation have been included as proposed Permit Section 8. Permit conditions associated with macrobags are proposed within this Permit Part, and other descriptive text associated with the incorporation of the treatment process for macroencapsulation at container storage permitted units.

Permit Attachment B, *Part A Application*

This Permit Attachment has been updated where applicable to reflect the addition of treatment by macroencapsulation. Waste treatment process code T04 for "Other Treatment" has been added to the Process Codes and Design Capacities for the permitted container storage units at Technical Areas 3, 50, 54, 55, and 63. The process code is also proposed for all EPA Hazardous Waste

Numbers that apply to the waste containers to be treated under "Description of Hazardous Wastes". Additionally, the signatory was updated for LANS. A complete, signed, version of the form has been included within Attachment 2 of this permit modification request.

Permit Attachment C, *Waste Analysis Plan*

Section C.1.2.2, *Mixed Low-Level Waste*; Section C.3.1.2.5, *Characterization of Waste to be treated by Macroencapsulation*; and Table C-21, *Description of Macroencapsulation Waste Streams at Container Storage Permitted Units* within this Permit Attachment have been newly added to reflect the addition of waste stream descriptions for treatment by macroencapsulation.

Permit Attachment J, *Hazardous Waste Management Units*

Table J-1, *Active Portion of the Facility,* in Permit Attachment J, was changed to reflect the addition of a treatment process to the permitted container storage units within the "Process Codes", "Operating Capacity", and "General Information" columns of the table.

Attachment 1

Text changes for Permit Parts 1 and 8; and Attachments B, C, and J

for a later date has been granted by the Department in compliance with 40 CFR §§ 270.10(h) and 270.30(b). The Department will not grant permission for an application for a new permit that is submitted later than the expiration date of this Permit (*see* 40 CFR § 270.10(h)).

1.6.6 Continuation of Expiring Permit

If the Permittees have submitted a timely and complete application for renewal of this Permit, in compliance with 40 CFR §§ 270.10 and 270.13 through 270.28 and Permit Section 1.6.5, this Permit shall remain in effect until the effective date of the new permit if, through no fault of the Permittees, the Department has not issued a new permit on or before the expiration date of this Permit (*see* 40 CFR § 270.51).

1.6.7 Permit Review by the Department

The Department will review the closure and post-closure requirements associated with the land disposal units addressed in this Permit five years after the effective date of Permit issuance and may modify this Permit as necessary pursuant to § 74-4-4.2 of the HWA and 40 CFR §§ 270.41 and 270.50(d). Such modification shall not extend the effective term of this Permit. Nothing shall preclude the Department from reviewing and modifying any portion of this Permit, in accordance with applicable requirements, at any time during its term.

1.7 PERMIT CONSTRUCTION

1.7.1 Severability

The provisions of this Permit are severable. If any provision of this Permit, or any application of any provision of this Permit, to any circumstance is held invalid the application of such provision to other circumstances and the remainder of this Permit shall not be affected thereby.

1.8 DEFINITIONS

Terms used in this Permit shall have the same meanings as those in the HWA, RCRA, and their implementing regulations unless this Permit specifically provides otherwise. Where a term is not defined in the HWA, RCRA, implementing regulations, or this Permit, the meaning of the term shall be determined by a standard dictionary reference, EPA guidelines or publications, or the generally accepted scientific or industrial meaning of the term.

Acceptable Knowledge is defined at Permit Attachment C (*Waste Analysis Plan*), Section C.3.1.1.

Land Disposal means placement of waste in or on the land, except in a corrective action management unit or staging pile, and includes without limitation, placement in a landfill such as a pit or a trench, surface impoundment, waste pile, or land treatment facility, or placement in a concrete vault or a shaft intended for disposal purposes.

Macroencapsulation is an EPA-approved immobilization technology that includes the application of surface coating materials such as polymeric organics (e.g., resins and plastics) or use of a jacket of inert inorganic materials to substantially reduce surface exposure to potential leaching media. The encapsulating material must completely encapsulate debris and be resistant to degradation by the debris and its contaminants and materials into which it may come into contact after placement (leachate, other waste, microbes).

Off-Site Waste means any hazardous waste transported to the Facility from off-site but does not include intra-Facility waste.

Partial Closure means the closure of a portion of a permitted hazardous waste management unit, in accordance with the applicable closure requirements of 40 CFR Part 264 at a facility that contains other active hazardous waste management units.

Permit means this document including all attachments hereto and all modifications to the Permit.

Permitted Unit means a hazardous waste management unit: 1) that is not an interim status unit; and 2) that is authorized by this Permit and listed in Attachment J (*Hazardous Waste Management Units*), Table J-1 (*Active Portion of the Facility*), or Table J-2 (*Permitted Units Undergoing Post-Closure Care*).

Release means any accidental or intentional spilling, leaking, pouring, emitting, emptying, discharging, injecting, pumping, escaping, leaching, or dumping of any hazardous waste or hazardous constituents inside a permitted unit or from a permitted unit to the environment, including the abandonment or discarding of barrels, containers, and other closed receptacles containing hazardous waste or hazardous constituents.

Representative Sample means a sample of a universe or whole (*e.g.*, waste pile, lagoon, groundwater) which can be expected to exhibit the average properties of the universe or whole.

Secretary means the Secretary of the New Mexico Environment Department or his or her designee.

Solid Waste Management Unit (SWMU) means any discernable unit at which solid waste has been placed at any time and from which the Department determines there may be a risk of a release of hazardous waste or hazardous waste constituents, irrespective of whether the unit was intended for the management of solid or hazardous waste. Such units include any area at the Facility at which solid wastes have been routinely and

PART 8: ~~(RESERVED)~~ TREATMENT BY MACROENCAPSULATION

The Permittees have a duty to meet the additional Permit requirements of this Part, Sections 8.1 through 8.4.

8.1 GENERAL CONDITIONS

(1) The Permittees shall treat waste by macroencapsulation at container storage permitted units in accordance with this Permit Part and the requirements of 40 CFR Part 264, Subpart I, which is incorporated herein by reference.

(2) The Permittees shall manage all containers in accordance with the requirements of Permit Part 3 (*Storage in Containers).*

(3) The Permittees shall treat waste by macroencapsulation only in the permitted units identified with process code T04 in attachment J, Table J-1. The Permittees shall not store or treat waste in quantities that exceed the operating capacities identified in Table J-1.

(4) The Permittees shall treat by macroencapsulation only those wastes with EPA Hazardous Waste Numbers listed in association with the applicable permitted storage unit and stabilization process in Attachment B (*Part A Application*).

(5) The Permittees shall not stack macroencapsulation containers after the treatment process.

(6) The Permittees shall not move macroencapsulation containers using the straps or handles connected to the containers.

8.2 MACROENCAPSULATION REQUIREMENTS

(1) The Permittees shall treat waste utilizing a polymer coating, or within a jacket of inert inorganic materials to immobilize wastes by completely surrounding the waste with a leach-resistant coating to meet the LDR treatment standard for hazardous debris waste and radioactive lead solids specified at 40 CFR 268.42 and 40 CFR 268.45.

(2) Macroencapsulation shall utilize the softsided transportable container, which contains at least 3 layers of materials, an outer, middle and an inner layer. This closure system ensures a permanent and impermeable barrier between the waste debris and the outer environment.

(3) The Permittees shall ensure that the hazardous debris waste and radioactive lead solids waste is treated within a container storage permitted unit.

(4) The Permittees shall ensure that containers utilized for the macroencapsulation treatment process will be stored, managed, and transported per manufacturer's requirements (including protection from the sun).

(5) The Permittees shall inspect the softsided transportable container for tears or damage and all containers during the macroencapsulation treatment process.

8.3 RELEASES WITHIN THE PERMITTED UNIT

(1) Any release, or the potential for a release, from or at a container storage permitted unit that the Permittees do not deem a threat to human health or the environment must be reported to the Department in accordance with Permit Section 1.9.13.

(2) The Permittees shall ensure that any release of waste to the environment (e.g., soil, surface water, groundwater, atmosphere) from a permitted unit utilized for macroencapsulation treatment is reported to the Department within 24 hours of its detection. Within 5 days of detection of a release to the environment, the Permittees shall submit a written report to the Department containing the information required by Permit Section 1.9.12.2.

8.4 INCOMPATIBLE WASTES

(1) The Permittees shall ensure that potentially incompatible waste is not placed in a macroencapsulation container.

(2) The Permittees shall use inert void-filling material as appropriate that has been determined to be compatible with the waste and container.

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ATTACHMENT B

PART A APPLICATION

18. Comments (include item number for each comment)

8- Additional Site Contact Information
First Name: Douglas MI: E Last Name: Hintze
Title: Manager, Environmental Management, Los Alamos Field Office, U. S. Department of Energy
Street Address: 1900 Diamond Drive, MS M984 City, Town, or Village: Los Alamos
State: NM Country: USA Zip Code: 87544
Email: douglas.hintze@em.doe.gov
Phone: (505) 665-5820 Ext: Fax: (505) 665-5903
9B- Additional Name of Site Legal Operator
Newport News Nuclear BWXT-Los Alamos, LLC (N3B) Date Became an Operator: 04/30/2018 **Operator Type: Private**
Street Address: 600 6th Street City, Town, or Village: Los Alamos
State: NM Country: USA Zip Code: 87544
Email: nlombardo@hii-sn3.com
Phone: (303) 546-4403 Ext: Fax: (303) 443-1408

19. Certification 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 fines and imprisonment for knowing violations. **Note: For the RCRA Hazardous Waste Part A permit Application, all owners and operators must sign (see 40 CFR 270.10(b) and 270.11)**.

Signature of legal owner, operator or authorized representative	Date (mm/dd/yyyy)
Printed Name (First, Middle Initial Last) **William S. Goodrum**	Title **Manager, National Nuclear Security Administration, Los Alamos Field Office, U.S. Department of Energy**
Email **steve.goodrum@nnsa.doe.gov**	

Signature of legal owner, operator or authorized representative	Date (mm/dd/yyyy)
Printed Name (First, Middle Initial Last) **William R. Mairson**	Title **Operator, Los Alamos National Security , LLC (LANS)**
Email **wrmairson@lanl.gov**	

6. Process Codes and Design Capacities

Line Number		A. Process Code			B. Process Design Capacity (1) Amount	B. Process Design Capacity (2) Unit of Measure	C. Process Total Number of Units	D. Unit Name
	1	S	0	1	18,500	G	001	Technical Area 3
	2	T	0	4	3,441	U	001	Technical Area 3
	3	X	0	1	1,020 or 50	J* or U	002	Technical Area 14 *Total indicates per day not per hour
	4	X	0	1	1,200 or 50	J* or U	002	Technical Area 16 *Total indicates per day not per hour
	5	X	0	1	2,000	J*	001	Technical Area 36 *Total indicates per day not per hour
	6	X	0	1	2,000	J*	002	Technical Area 39 *Total indicates per day not per hour
	7	S	0	1	31,500	G	002	Technical Area 50
	8	T	0	4	3,716	U	002	Technical Area 50
	9	S	0	1	407,880	G	001	Technical Area 54, Area L
1	0	T	0	4	23,160	U	001	Technical Area 54, Area L
1	1	D	8	0	1,200	Y	001	Technical Area 54, Area L
1	2	S	9	9	600	G	001	Technical Area 54, Area L
1	3	S	0	1	4,346,590	G	009	Technical Area 54, Area G
1	4	T	0	4	185,280	U	008	Technical Area 54, Area G
1	5	S	0	1	4,950	G	001	Technical Area 54, Area G
1	6	D	8	0	14	Y	001	Technical Area 54, Area G
1	7	S	0	1	34,110 + 13,410+	G	002	Technical Area 54, West +Total includes excess storage capacity
1	8	T	0	4	3,441	U	001	Technical Area 54, West
1	9	D	8	0	63	Y	001	Technical Area 54, Area H
2	0	S	0	1	272,145	G	009	Technical Area 55
2	1	S	0	2	137	G	001	Technical Area 55
2	2	T	0	4	13,914	U	005	Technical Area 55
2	3	S	0	1	105,875	G	001	Technical Area 63
2	4	T	0	4	23,160	U	001	Technical Area 63

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 3					
	1 D 0 0 1	7,000	P	S 0 1	
	2 D 0 0 2	21,000	P	S 0 1	
	3 D 0 0 3	2,500	P	S 0 1	
	4 D 0 0 4	3,000	P	S 0 1 T 0 4	
	5 D 0 0 5	3,000	P	S 0 1 T 0 4	
	6 D 0 0 6	2,500	P	S 0 1 T 0 4	
	7 D 0 0 7	7,000	P	S 0 1 T 0 4	
	8 D 0 0 8	27,000	P	S 0 1 T 0 4	
	9 D 0 0 9	4,000	P	S 0 1 T 0 4	
1	0 D 0 1 0	2,500	P	S 0 1 T 0 4	
1	1 D 0 1 1	3,000	P	S 0 1 T 0 4	
1	2 D 0 1 2	1,000	P	S 0 1	
1	3 D 0 1 8	1,500	P	S 0 1 T 0 4	
1	4 D 0 1 9	2,000	P	S 0 1 T 0 4	
1	5 D 0 2 1	2,000	P	S 0 1 T 0 4	
1	6 D 0 2 2	2,000	P	S 0 1 T 0 4	
1	7 D 0 2 3	2,000	P	S 0 1 T 0 4	
1	8 D 0 2 4	2,000	P	S 0 1 T 0 4	
1	9 D 0 2 5	2,000	P	S 0 1 T 0 4	
2	0 D 0 2 6	2,000	P	S 0 1 T 0 4	
2	1 D 0 2 7	1,500	P	S 0 1 T 0 4	
2	2 D 0 2 8	2,000	P	S 0 1 T 0 4	
2	3 D 0 2 9	1,000	P	S 0 1 T 0 4	
2	4 D 0 3 0	1,500	P	S 0 1 T 0 4	
2	5 D 0 3 2	1,500	P	S 0 1 T 0 4	
2	6 D 0 3 3	1,500	P	S 0 1 T 0 4	
2	7 D 0 3 4	1,500	P	S 0 1 T 0 4	
2	8 D 0 3 5	3,500	P	S 0 1 T 0 4	
2	9 D 0 3 6	1,500	P	S 0 1 T 0 4	
3	0 D 0 3 7	1,000	P	S 0 1 T 0 4	
3	1 D 0 3 8	1,500	P	S 0 1 T 0 4	
3	2 D 0 3 9	2,500	P	S 0 1 T 0 4	
3	3 D 0 4 0	2,500	P	S 0 1 T 0 4	
3	4 D 0 4 2	1,500	P	S 0 1 T 0 4	
3	5 D 0 4 3	1,500	P	S 0 1 T 0 4	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 3 (continued)					
3 6	F 0 0 1	21,000	P	S 0 1	T 0 4
3 7	F 0 0 2	21,000	P	S 0 1	T 0 4
3 8	F 0 0 3	21,000	P	S 0 1	
3 9	F 0 0 4	2,500	P	S 0 1	T 0 4
4 0	F 0 0 5	21,000	P	S 0 1	
4 1	F 0 0 6	500	P	S 0 1	
4 2	F 0 0 7	500	P	S 0 1	
4 3	F 0 0 9	500	P	S 0 1	
4 4	P 0 0 3	1,000	P	S 0 1	
4 5	P 0 1 2	1,000	P	S 0 1	
4 6	P 0 1 5	1,000	P	S 0 1	
4 7	P 0 2 9	1,000	P	S 0 1	
4 8	P 0 3 0	1,000	P	S 0 1	
4 9	P 0 3 1	1,000	P	S 0 1	
5 0	P 0 3 8	1,000	P	S 0 1	
5 1	P 0 5 6	1,000	P	S 0 1	
5 2	P 0 6 3	1,000	P	S 0 1	
5 3	P 0 6 8	1,000	P	S 0 1	
5 4	P 0 7 3	1,000	P	S 0 1	
5 5	P 0 7 6	1,000	P	S 0 1	
5 6	P 0 7 8	1,000	P	S 0 1	
5 7	P 0 9 5	1,000	P	S 0 1	
5 8	P 0 9 6	1,000	P	S 0 1	
5 9	P 0 9 8	1,000	P	S 0 1	
6 0	P 0 9 9	500	P	S 0 1	
6 1	P 1 0 6	1,000	P	S 0 1	
6 2	P 1 1 3	1,000	P	S 0 1	
6 3	P 1 2 0	1,000	P	S 0 1	
6 4	U 0 0 1	1,000	P	S 0 1	
6 5	U 0 0 2	1,000	P	S 0 1	
6 6	U 0 0 3	1,000	P	S 0 1	
6 7	U 0 1 2	1,000	P	S 0 1	
6 8	U 0 1 9	1,000	P	S 0 1	
6 9	U 0 2 2	1,000	P	S 0 1	
7 0	U 0 2 9	1,000	P	S 0 1	
7 1	U 0 3 1	1,000	P	S 0 1	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50					
	1 D 0 0 1	69,696	P	S 0 1 T 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	
	4 D 0 0 4	7,531	P	S 0 1 T 0 4	
	5 D 0 0 5	7,740	P	S 0 1 T 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 T 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	
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 T 0 4	
1	9 D 0 1 9	4,261	P	S 0 1 T 0 4	
2	0 D 0 2 0	100	P	S 0 1 T 0 4	
2	1 D 0 2 1	100	P	S 0 1 T 0 4	
2	2 D 0 2 2	100	P	S 0 1 T 0 4	
2	3 D 0 2 3	100	P	S 0 1 T 0 4	
2	4 D 0 2 4	100	P	S 0 1 T 0 4	
2	5 D 0 2 5	100	P	S 0 1 T 0 4	
2	6 D 0 2 6	518	P	S 0 1 T 0 4	
2	7 D 0 2 7	972	P	S 0 1 T 0 4	
2	8 D 0 2 8	216,783	P	S 0 1 T 0 4	
2	9 D 0 2 9	215,184	P	S 0 1 T 0 4	
3	0 D 0 3 0	5,491	P	S 0 1 T 0 4	
3	1 D 0 3 1	293	P	S 0 1 T 0 4	
3	2 D 0 3 2	3,135	P	S 0 1 T 0 4	
3	3 D 0 3 3	2,222	P	S 0 1 T 0 4	
3	4 D 0 3 4	1,228	P	S 0 1 T 0 4	
3	5 D 0 3 5	1,792	P	S 0 1 T 0 4	
3	6 D 0 3 6	549	P	S 0 1 T 0 4	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50 (continued)					
37	D037	761	P	S01 T04	
38	D038	1,549	P	S01 T04	
39	D039	1,675	P	S01 T04	
40	D040	3,942	P	S01 T04	
41	D041	293	P	S01 T04	
42	D042	1,182	P	S01 T04	
43	D043	655	P	S01 T04	
44	F001	442,263	P	S01 T04	
45	F002	147,347	P	S01 T04	
46	F003	50,980	P	S01 T04	
47	F004	2,817	P	S01 T04	
48	F005	334,821	P	S01 T04	
49	F006	100	P	S01 T04	
50	F007	100	P	S01 T04	
51	F008	100	P	S01	
52	F009	165	P	S01 T04	
53	F010	100	P	S01	
54	F011	100	P	S01	
55	F012	100	P	S01	
56	F019	100	P	S01	
57	F020	100	P	S01	
58	F021	100	P	S01	
59	F022	100	P	S01	
60	F023	100	P	S01	
61	F024	100	P	S01	
62	F025	100	P	S01	
63	F026	100	P	S01	
64	F027	165	P	S01	
65	F028	100	P	S01	
66	F032	100	P	S01	
67	F034	100	P	S01	
68	F035	100	P	S01	
69	F037	100	P	S01	
70	F038	100	P	S01	
71	F039	100	P	S01	
72	K044	100	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L					
	1 D 0 0 1	220,000	P	S 0 1	
	2 D 0 0 2	365,000	P	S 0 1	
	3 D 0 0 3	100,000	P	S 0 1	
	4 D 0 0 4	25,000	P	S 0 1 T 0 4	
	5 D 0 0 5	80,000	P	S 0 1 T 0 4	
	6 D 0 0 6	65,000	P	S 0 1 T 0 4	
	7 D 0 0 7	75,000	P	S 0 1 T 0 4	
	8 D 0 0 8	800,000	P	S 0 1 T 0 4	
	9 D 0 0 9	65,000	P	S 0 1 T 0 4	
1	0 D 0 1 0	30,000	P	S 0 1 T 0 4	
1	1 D 0 1 1	40,000	P	S 0 1 T 0 4	
1	2 D 0 1 2	12,000	P	S 0 1	
1	3 D 0 1 3	4,000	P	S 0 1	
1	4 D 0 1 4	4,000	P	S 0 1	
1	5 D 0 1 5	7,000	P	S 0 1	
1	6 D 0 1 6	4,000	P	S 0 1	
1	7 D 0 1 7	4,000	P	S 0 1	
1	8 D 0 1 8	20,000	P	S 0 1 T 0 4	
1	9 D 0 1 9	20,000	P	S 0 1 T 0 4	
2	0 D 0 2 0	30,000	P	S 0 1 T 0 4	
2	1 D 0 2 1	10,000	P	S 0 1 T 0 4	
2	2 D 0 2 2	23,000	P	S 0 1 T 0 4	
2	3 D 0 2 3	4,000	P	S 0 1 T 0 4	
2	4 D 0 2 4	4,000	P	S 0 1 T 0 4	
2	5 D 0 2 5	4,000	P	S 0 1 T 0 4	
2	6 D 0 2 6	4,000	P	S 0 1 T 0 4	
2	7 D 0 2 7	12,000	P	S 0 1 T 0 4	
2	8 D 0 2 8	30,000	P	S 0 1 T 0 4	
2	9 D 0 2 9	7,000	P	S 0 1 T 0 4	
3	0 D 0 3 0	20,000	P	S 0 1 T 0 4	
3	1 D 0 3 1	12,000	P	S 0 1 T 0 4	
3	2 D 0 3 2	19,000	P	S 0 1 T 0 4	
3	3 D 0 3 3	19,000	P	S 0 1 T 0 4	
3	4 D 0 3 4	19,000	P	S 0 1 T 0 4	
3	5 D 0 3 5	20,000	P	S 0 1 T 0 4	
3	6 D 0 3 6	9,000	P	S 0 1 T 0 4	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L (continued)					
37	D037	7,000	P	S01 T04	
38	D038	4,000	P	S01 T04	
39	D039	10,000	P	S01 T04	
40	D040	15,000	P	S01 T04	
41	D041	7,000	P	S01 T04	
42	D042	12,000	P	S01 T04	
43	D043	15,000	P	S01 T04	
44	F001	660,000	P	S01 T04	
45	F002	350,000	P	S01 T04	
46	F003	250,000	P	S01	
47	F004	30,000	P	S01 T04	
48	F005	250,000	P	S01	
49	F006	7,000	P	S01	
50	F007	28,000	P	S01	
51	F008	7,000	P	S01	
52	F009	8,000	P	S01	
53	F010	4,000	P	S01	
54	F011	4,000	P	S01	
55	F012	4,000	P	S01	
56	F019	500	P	S01	
57	F020	500	P	S01	
58	F021	500	P	S01	
59	F022	500	P	S01	
60	F023	500	P	S01	
61	F024	500	P	S01	
62	F025	500	P	S01	
63	F026	500	P	S01	
64	F027	4,000	P	S01	
65	F028	4,000	P	S01	
66	F032	500	P	S01	
67	F034	500	P	S01	
68	F035	500	P	S01	
69	F037	500	P	S01	
70	F038	500	P	S01	
71	F039	4,000	P	S01	
72	K044	22,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G					
	1 D 0 0 1	330,000	P	S 0 1	
	2 D 0 0 2	395,000	P	S 0 1	
	3 D 0 0 3	185,000	P	S 0 1	
	4 D 0 0 4	2,525,000	P	S 0 1 T 0 4	
	5 D 0 0 5	82,000	P	S 0 1 T 0 4	
	6 D 0 0 6	515,000	P	S 0 1 T 0 4	
	7 D 0 0 7	3,775,000	P	S 0 1 T 0 4	
	8 D 0 0 8	5,400,000	P	S 0 1 T 0 4	
	9 D 0 0 9	100,000	P	S 0 1 T 0 4	
1	0 D 0 1 0	45,000	P	S 0 1 T 0 4	
1	1 D 0 1 1	2,540,000	P	S 0 1 T 0 4	
1	2 D 0 1 2	18,000	P	S 0 1	
1	3 D 0 1 3	4,000	P	S 0 1	
1	4 D 0 1 4	4,000	P	S 0 1	
1	5 D 0 1 5	7,000	P	S 0 1	
1	6 D 0 1 6	4,000	P	S 0 1	
1	7 D 0 1 7	4,000	P	S 0 1	
1	8 D 0 1 8	30,000	P	S 0 1 T 0 4	
1	9 D 0 1 9	25,000	P	S 0 1 T 0 4	
2	0 D 0 2 0	30,000	P	S 0 1 T 0 4	
2	1 D 0 2 1	15,000	P	S 0 1 T 0 4	
2	2 D 0 2 2	33,000	P	S 0 1 T 0 4	
2	3 D 0 2 3	4,000	P	S 0 1 T 0 4	
2	4 D 0 2 4	4,000	P	S 0 1 T 0 4	
2	5 D 0 2 5	4,000	P	S 0 1 T 0 4	
2	6 D 0 2 6	4,000	P	S 0 1 T 0 4	
2	7 D 0 2 7	22,000	P	S 0 1 T 0 4	
2	8 D 0 2 8	40,000	P	S 0 1 T 0 4	
2	9 D 0 2 9	7,000	P	S 0 1 T 0 4	
3	0 D 0 3 0	30,000	P	S 0 1 T 0 4	
3	1 D 0 3 1	22,000	P	S 0 1 T 0 4	
3	2 D 0 3 2	29,000	P	S 0 1 T 0 4	
3	3 D 0 3 3	29,000	P	S 0 1 T 0 4	
3	4 D 0 3 4	29,000	P	S 0 1 T 0 4	
3	5 D 0 3 5	30,000	P	S 0 1 T 0 4	
3	6 D 0 3 6	19,000	P	S 0 1 T 0 4	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G (continued)					
37	D037	7,000	P	S01 T04	
38	D038	14,000	P	S01 T04	
39	D039	20,000	P	S01 T04	
40	D040	25,000	P	S01 T04	
41	D041	17,000	P	S01 T04	
42	D042	22,000	P	S01 T04	
43	D043	25,000	P	S01 T04	
44	F001	6,410,000	P	S01 T04	
45	F002	3,450,000	P	S01 T04	
46	F003	2,850,000	P	S01	
47	F004	35,000	P	S01 T04	
48	F005	3,250,000	P	S01	
49	F006	7,000	P	S01	
50	F007	18,000	P	S01	
51	F008	7,000	P	S01	
52	F009	8,000	P	S01	
53	F010	4,000	P	S01	
54	F011	4,000	P	S01	
55	F012	4,000	P	S01	
56	F019	4,000	P	S01	
57	F020	4,000	P	S01	
58	F021	4,000	P	S01	
59	F022	4,000	P	S01	
60	F023	4,000	P	S01	
61	F024	4,000	P	S01	
62	F025	4,000	P	S01	
63	F026	4,000	P	S01	
64	F027	4,000	P	S01	
65	F028	4,000	P	S01	
66	F032	4,000	P	S01	
67	F034	4,000	P	S01	
68	F035	4,000	P	S01	
69	F037	4,000	P	S01	
70	F038	4,000	P	S01	
71	F039	4,000	P	S01	
72	K044	22,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West					
	1	D001	74,252	P	S01
	2	D002	38,448	P	S01
	3	D003	3,528	P	S01
	4	D004	24,692	P	S01 T04
	5	D005	22,576	P	S01 T04
	6	D006	3,627,220	P	S01 T04
	7	D007	3,784,544	P	S01 T04
	8	D008	8,589,208	P	S01 T04
	9	D009	261,732	P	S01 T04
1	0	D010	27,160	P	S01 T04
1	1	D011	30,336	P	S01 T04
1	2	D012	36,000	P	S01
1	3	D013	8,000	P	S01
1	4	D014	8,000	P	S01
1	5	D015	14,000	P	S01
1	6	D016	8,000	P	S01
1	7	D017	8,000	P	S01
1	8	D018	1,412	P	S01 T04
1	9	D019	28,220	P	S01 T04
2	0	D020	60,000	P	S01 T04
2	1	D021	4,880	P	S01 T04
2	2	D022	6,704	P	S01 T04
2	3	D023	8,000	P	S01 T04
2	4	D024	8,000	P	S01 T04
2	5	D025	8,000	P	S01 T04
2	6	D026	8,000	P	S01 T04
2	7	D027	4,056	P	S01 T04
2	8	D028	1,158,400	P	S01 T04
2	9	D029	1,152,576	P	S01 T04
3	0	D030	26,100	P	S01 T04
3	1	D031	352	P	S01 T04
3	2	D032	16,580	P	S01 T04
3	3	D033	11,112	P	S01 T04
3	4	D034	5,820	P	S01 T04
3	5	D035	528	P	S01 T04
3	6	D036	1,764	P	S01 T04

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West (continued)					
3 7	D 0 3 7	2,820	P	S 0 1 T 0 4	
3 8	D 0 3 8	352	P	S 0 1 T 0 4	
3 9	D 0 3 9	7,760	P	S 0 1 T 0 4	
4 0	D 0 4 0	17,460	P	S 0 1 T 0 4	
4 1	D 0 4 1	352	P	S 0 1 T 0 4	
4 2	D 0 4 2	5,644	P	S 0 1 T 0 4	
4 3	D 0 4 3	2,116	P	S 0 1 T 0 4	
4 4	F 0 0 1	2,225,608	P	S 0 1 T 0 4	
4 5	F 0 0 2	288,012	P	S 0 1 T 0 4	
4 6	F 0 0 3	137,856	P	S 0 1	
4 7	F 0 0 4	8,640	P	S 0 1 T 0 4	
4 8	F 0 0 5	1,296,844	P	S 0 1	
4 9	F 0 0 6	14,000	P	S 0 1	
5 0	F 0 0 7	36,000	P	S 0 1	
5 1	F 0 0 8	14,000	P	S 0 1	
5 2	F 0 0 9	8,000	P	S 0 1	
5 3	F 0 1 0	8,000	P	S 0 1	
5 4	F 0 1 1	8,000	P	S 0 1	
5 5	F 0 1 2	8,000	P	S 0 1	
5 6	F 0 1 9	8,000	P	S 0 1	
5 7	F 0 2 0	8,000	P	S 0 1	
5 8	F 0 2 1	8,000	P	S 0 1	
5 9	F 0 2 2	8,000	P	S 0 1	
6 0	F 0 2 3	8,000	P	S 0 1	
6 1	F 0 2 4	8,000	P	S 0 1	
6 2	F 0 2 5	8,000	P	S 0 1	
6 3	F 0 2 6	8,000	P	S 0 1	
6 4	F 0 2 7	8,000	P	S 0 1	
6 5	F 0 2 8	8,000	P	S 0 1	
6 6	F 0 3 2	8,000	P	S 0 1	
6 7	F 0 3 4	8,000	P	S 0 1	
6 8	F 0 3 5	8,000	P	S 0 1	
6 9	F 0 3 7	8,000	P	S 0 1	
7 0	F 0 3 8	8,000	P	S 0 1	
7 1	F 0 3 9	8,000	P	S 0 1	
7 2	K 0 4 4	4,000	P	S 0 1	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.					B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes										
								(1) Process Codes									(2) Process Description (if code is not entered in 7.D1))	
Technical Area 55																		
	1	D	0	0	1	75,000	P	S	0	1								
	2	D	0	0	2	150,000	P	S	0	1	S	0	2	T	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	T	0	4		
	5	D	0	0	5	11,000	P	S	0	1	S	0	2	T	0	4		
	6	D	0	0	6	400,500	P	S	0	1	S	0	2	T	0	4		
	7	D	0	0	7	605,000	P	S	0	1	S	0	2	T	0	4		
	8	D	0	0	8	900,000	P	S	0	1	S	0	2	T	0	4		
	9	D	0	0	9	26,000	P	S	0	1	S	0	2	T	0	4		
1	0	D	0	1	0	2,500	P	S	0	1	S	0	2	T	0	4		
1	1	D	0	1	1	11,000	P	S	0	1	S	0	2	T	0	4		
1	2	D	0	1	2	1,000	P	S	0	1				T	0	4		
1	3	D	0	1	8	4,500	P	S	0	1				T	0	4		
1	4	D	0	1	9	4,500	P	S	0	1				T	0	4		
1	5	D	0	2	1	4,500	P	S	0	1				T	0	4		
1	6	D	0	2	2	1,500	P	S	0	1				T	0	4		
1	7	D	0	2	7	1,500	P	S	0	1				T	0	4		
1	8	D	0	2	8	2,500	P	S	0	1				T	0	4		
1	9	D	0	3	0	1,500	P	S	0	1				T	0	4		
2	0	D	0	3	2	1,500	P	S	0	1				T	0	4		
2	1	D	0	3	3	1,500	P	S	0	1				T	0	4		
2	2	D	0	3	4	1,500	P	S	0	1				T	0	4		
2	3	D	0	3	5	12,000	P	S	0	1				T	0	4		
2	4	D	0	3	6	1,500	P	S	0	1				T	0	4		
2	5	D	0	3	7	1,500	P	S	0	1				T	0	4		
2	6	D	0	3	8	1,500	P	S	0	1				T	0	4		
2	7	D	0	3	9	11,000	P	S	0	1				T	0	4		
2	8	D	0	4	0	11,000	P	S	0	1				T	0	4		
2	9	D	0	4	2	1,500	P	S	0	1				T	0	4		
3	0	D	0	4	3	1,500	P	S	0	1				T	0	4		
3	1	F	0	0	1	110,000	P	S	0	1				T	0	4		
3	2	F	0	0	2	110,000	P	S	0	1				T	0	4		
3	3	F	0	0	3	110,000	P	S	0	1								
3	4	F	0	0	5	110,000	P	S	0	1								
3	5	F	0	0	6	500	P	S	0	1								
3	6	F	0	0	7	500	P	S	0	1								

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes		
				(1) Process Codes		(2) Process Description (if code is not entered in 7.D1))
Technical Area 63						
	1	D001	3,300	P	S01	
	2	D002	3,950	P	S01	
	3	D003	1,850	P	S01	
	4	D004	25,250	P	S01 T04	
	5	D005	820	P	S01 T04	
	6	D006	5,150	P	S01 T04	
	7	D007	37,750	P	S01 T04	
	8	D008	54,000	P	S01 T04	
	9	D009	1,000	P	S01 T04	
1	0	D010	450	P	S01 T04	
1	1	D011	25,400	P	S01 T04	
1	2	D012	180	P	S01	
1	3	D013	40	P	S01	
1	4	D014	40	P	S01	
1	5	D015	70	P	S01	
1	6	D016	40	P	S01	
1	7	D017	40	P	S01	
1	8	D018	300	P	S01 T04	
1	9	D019	250	P	S01 T04	
2	0	D020	300	P	S01 T04	
2	1	D021	150	P	S01 T04	
2	2	D022	330	P	S01 T04	
2	3	D023	40	P	S01 T04	
2	4	D024	40	P	S01 T04	
2	5	D025	40	P	S01 T04	
2	6	D026	40	P	S01 T04	
2	7	D027	220	P	S01 T04	
2	8	D028	400	P	S01 T04	
2	9	D029	70	P	S01 T04	
3	0	D030	300	P	S01 T04	
3	1	D031	220	P	S01 T04	
3	2	D032	290	P	S01 T04	
3	3	D033	290	P	S01 T04	
3	4	D034	290	P	S01 T04	
3	5	D035	300	P	S01 T04	
3	6	D036	190	P	S01 T04	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 63 (continued)					
3 7	D 0 3 7	70	P	S 0 1 T 0 4	
3 8	D 0 3 8	140	P	S 0 1 T 0 4	
3 9	D 0 3 9	200	P	S 0 1 T 0 4	
4 0	D 0 4 0	250	P	S 0 1 T 0 4	
4 1	D 0 4 1	170	P	S 0 1 T 0 4	
4 2	D 0 4 2	220	P	S 0 1 T 0 4	
4 3	D 0 4 3	250	P	S 0 1 T 0 4	
4 4	F 0 0 1	64,100	P	S 0 1 T 0 4	
4 5	F 0 0 2	34,500	P	S 0 1 T 0 4	
4 6	F 0 0 3	28,500	P	S 0 1	
4 7	F 0 0 4	350	P	S 0 1 T 0 4	
4 8	F 0 0 5	32,500	P	S 0 1	
4 9	F 0 0 6	70	P	S 0 1	
5 0	F 0 0 7	180	P	S 0 1	
5 1	F 0 0 8	70	P	S 0 1	
5 2	F 0 0 9	80	P	S 0 1	
5 3	F 0 1 0	40	P	S 0 1	
5 4	F 0 1 1	40	P	S 0 1	
5 5	F 0 1 2	40	P	S 0 1	
5 6	F 0 1 9	40	P	S 0 1	
5 7	F 0 2 0	40	P	S 0 1	
5 8	F 0 2 1	40	P	S 0 1	
5 9	F 0 2 2	40	P	S 0 1	
6 0	F 0 2 3	40	P	S 0 1	
6 1	F 0 2 4	40	P	S 0 1	
6 2	F 0 2 5	40	P	S 0 1	
6 3	F 0 2 6	40	P	S 0 1	
6 4	F 0 2 7	40	P	S 0 1	
6 5	F 0 2 8	40	P	S 0 1	
6 6	F 0 3 2	40	P	S 0 1	
6 7	F 0 3 4	40	P	S 0 1	
6 8	F 0 3 5	40	P	S 0 1	
6 9	F 0 3 7	40	P	S 0 1	
7 0	F 0 3 8	40	P	S 0 1	
7 1	F 0 3 9	40	P	S 0 1	
7 2	K 0 4 4	220	P	S 0 1	

ATTACHMENT C

WASTE ANALYSIS PLAN

Unused Solid Reagent Chemical Wastes

Many different types of discardable off-specification unused solid reagent chemical wastes are generated at the Facility by R&D programs. Most of these items are in their original containers.

Spent Solvents and Contaminated Solvent Mixtures

These are spent solvents and spent solvent mixtures that contain organic or inorganic compounds, heavy metals, oils, and other contaminants. Waste-generating activities include a wide variety of maintenance, cleaning and degreasing, R&D, and processing operations, such as extraction, bench-scale experimental inorganic chemistry, environmental analysis, and radiochemistry.

Corrosive Liquid Wastes

These wastes are acidic or alkaline solutions that contain organics, inorganics, metals, oils, and/or other contaminants. Waste-generating activities include radiochemistry research, plutonium processing, and analytical chemistry.

Aqueous and Non-aqueous Liquids Contaminated with Heavy Metals and/or Organics

These wastes consist of aqueous and non-aqueous solutions that contain heavy metals and possibly organics. Waste-generating activities include metal-polishing operations, radiochemistry research, and ER activities.

Oil Wastes

Oil wastes at the Facility are generated during equipment maintenance operations. Possible contaminants include heavy metals and solvents.

Unused Liquid Reagent Chemical Wastes

Many different types of discarded off-specification unused liquid reagent chemical wastes are generated at the Facility by R&D programs. Most of these items are in their original containers.

Gas Cylinder Waste

These wastes consist of pressurized gas cylinders, including aerosol cans, which contain regulated hazardous metals, organic compounds, or exhibit the hazardous characteristics of ignitability, corrosivity, and reactivity.

Radioactive Lead Solids

These lead solids include, but are not limited to, all forms of lead shielding and other elemental forms of lead. These lead solids do not include treatment residuals such as hydroxide sludges, other wastewater treatment residuals, or incinerator ashes that can undergo conventional pozzolanic stabilization, nor do they include organolead materials that can be incinerated and stabilized as ash.

3. a document control and records management plan; and
4. the capability to perform data reduction, validation, and reporting.

C.3.1.2.5 Characterization of Waste to be treated by Macroencapsulation

The Permittees shall conduct chemical and physical characterization prior to treatment by macroencapsulation. The Permittees shall use documented AK, as described in Attachment C, Section C.3.1.1, to determine whether or not the waste stream is regulated as a hazardous waste. The Permittees shall use process knowledge, prior to macroencapsulation.

C.3.1.3 Verification Frequencies

The Permittees shall comply with the waste characterization verification procedures identified in Permit Section 2.4.7(3). The Permittees shall place a non-conformance report in the Facility Operating Record if the characterization for the waste stream is found to be inconsistent with the documentation. The Permittees shall decline to accept any waste from the waste stream in issue until the characterization deficiency is remedied.

C.3.2 Mixed Transuranic Waste Characterization

The Permittees characterize MTRUW for the information specified in Permit Section 2.4.1 in accordance with the parameters and methods shown in Tables C-11 and C-18 for management, storage, and treatment at the Facility. Characterization of the hazardous component of MTRUW to be stored and treated at the Facility shall be conducted in accordance with the procedures discussed in the following sections.

Initial characterization of MTRUW for the purpose of storage at the Facility is based primarily on AK (*see* Attachment Section C.3.1.1) with additional procedures applied to confirm the AK. The Permittees shall begin the AK process by reviewing the available generator documentation for the waste stream. This includes process knowledge, any extant analytical data, and the information included with the waste documentation forms associated with the individual waste containers.

The Permittees shall categorize MTRUW streams by Summary Category Groups based on the physical and chemical form of the waste as established by AK. The Permittees shall assign individual waste containers to waste streams based upon AK.

The Permittees shall utilize AK to determine the EPA Hazardous Waste Numbers applicable to the waste stream or container under consideration. The Permittees shall utilize AK to determine whether the container requires additional waste management procedures such as secondary containment for liquid waste or segregation of incompatible, ignitable, or reactive wastes. If AK is insufficient to determine needed information (*e.g.*, ignitability), the Permittees shall use headspace gas sampling to provide the needed information.

Until it is determined that a container does not contain free liquids, the Permittees shall manage MTRUW container storage in accordance with regulations and Permit requirements applicable to containers holding free liquids (*i.e.*, with secondary containment and appropriate labeling).

Table C-21
Description of Hazardous and Mixed Macroencapsulation Waste Streams at Container Storage Permitted Units
(This table is for informational purposes only)

Waste Description[a]	Waste Generating Activity[a]	Basis for Hazardous Waste Designation[a]	Potential EPA Hazardous Waste Numbers	Potential Hazardous Waste Constituents and/or Characteristics	Regulatory Limits[b] (milligrams per liter)	Potential Underlying Hazardous Constituents
Radioactive Lead Solids	Radioisotope experiments and other reactor, accelerator, laser, and x-ray activities	Acceptable Knowledge	D008	Lead	5.0	All applicable constituents identified above the UHC regulatory limit
Noncombustible Debris	Maintenance, D&D, R&D, and ER activities	Acceptable Knowledge	D004 D005 D006 D007 D008 D009 D010 D011 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 F004	Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver Benzene Carbon tetrachloride Chlordane Chlorobenzene Chloroform o-Cresol m-Cresol p-Cresol Cresol 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene 2,4-Dinitrotoluene Heptachlor (and its epoxide) Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Methyl ethyl ketone Nitrobenzene Pentachlorophenol Pyridine Tetrachloroethylene Trichloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Vinyl chloride Spent halogenated solvents Spent halogenated solvents Spent non-halogenated solvents	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0 0.5 0.5 0.03 100.0 6.0 200.0[d] 200.0[d] 200.0[d] 200.0[d] 7.5 0.5 0.7 0.13 0.008 0.13 0.5 3.0 200.0 2.0 100.0 5.0 0.7 0.5 400.0 2.0 0.2 NA[c] NA[c] NA[c]	Arsenic, Barium, Cadmium, Chromium (Total), Lead, Mercury-all others, Selenium, Silver, and all applicable constituents identified above the UHC regulatory limit

Table C-21 (continued)

(This table is for informational purposes only)

Waste Description[a]	Waste Generating Activity[a]	Basis for Hazardous Waste Designation[a]	Potential EPA Hazardous Waste Numbers	Potential Hazardous Waste Constituents and/or Characteristics	Regulatory Limits[b] (milligrams per liter)	Potential Underlying Hazardous Constituents
Combustible Debris	Maintenance, R&D, D&D, and ER activities	Acceptable Knowledge	D004	Arsenic	5.0	Arsenic, Barium, Chromium, Lead, Mercury-all others, Selenium, Silver, Nickel, Zinc and all applicable constituents identified above the UHC regulatory limit
			D005	Barium	100.0	
			D006	Cadmium	1.0	
			D007	Chromium	5.0	
			D008	Lead	5.0	
			D009	Mercury	0.2	
			D010	Selenium	1.0	
			D011	Silver	5.0	
			D018	Benzene	0.5	
			D019	Carbon tetrachloride	0.5	
			D020	Chlordane	0.03	
			D021	Chlorobenzene	100.0	
			D022	Chloroform	6.0	
			D023	o-Cresol	200.0[d]	
			D024	m-Cresol	200.0[d]	
			D025	p-Cresol	200.0[d]	
			D026	Cresol	200.0[d]	
			D027	1,4-Dichlorobenzene	7.5	
			D028	1,2-Dichloroethane	0.5	
			D029	1,1-Dichloroethylene	0.7	
			D030	2,4-Dinitrotoluene	0.13	
			D031	Heptachlor (and its epoxide)	0.008	
			D032	Hexachlorobenzene	0.13	
			D033	Hexachlorobutadiene	0.5	
			D034	Hexachloroethane	3.0	
			D035	Methyl ethyl ketone	200.0	
			D036	Nitrobenzene	2.0	
			D037	Pentachlorophenol	100.0	
			D038	Pyridine	5.0	
			D039	Tetrachloroethylene	0.7	
			D040	Trichloroethylene	0.5	
			D041	2,4,5-Trichlorophenol	400.0	
			D042	2,4,6-Trichlorophenol	2.0	
			D043	Vinyl chloride	0.2	
			F001	Spent halogenated solvents	NA[c]	
			F002	Spent halogenated solvents	NA[c]	
			F004	Spent non-halogenated solvents	NA[c]	

[a] Denotes information from the Los Alamos National Laboratory waste characterization documentation database

[b] A solid waste exhibits the characteristic of toxicity if, using the Toxicity Characteristic Leaching Procedure, Test Method 1311 in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (EPA, 1986), the extract from a representative sample of the waste contains any of the contaminants listed (D004-D043) at a concentration equal to or greater than the respective value given in the New Mexico Administrative Code, Title 20, Chapter 4, Part 1 (20.4.1 NMAC), Subpart II, Part 261, Subpart C [6-14-00]

[c] Not applicable: Refers to the absence of regulatory limits for ignitable, corrosive, and reactive characteristic wastes and F-, P-, and U-listed wastes

[d] If o-, m-, and p-Cresol concentrations cannot be differentiated, the total cresol (D026) concentration is used. The regulatory level of total cresol is 200 milligrams per liter

ATTACHMENT J

HAZARDOUS WASTE MANAGEMENT UNITS

TABLE J-1

Active Portion of the Facility

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

Process codes and associated process descriptions:

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

Unit Identifier	Process Codes	Operating Capacity	General Information	Type of Unit
TA-3-29	S01 T04	18,500 gal 3,441 gal/day	Includes Room 9010 and portions of Room 9020 and 9030 Located in Wing 9 of the basement of Building 29 Includes treatment process for macroencapsulation Total square footage – 3,040	Indoor
TA-14-23	X01*	50 lbs HE/burn	Near Structure TA-14-23 Interim Status Unit	NA
TA-14-23	X01**	20 lbs HE/ detonation	Near Structure TA-14-23 Interim Status Unit	NA
TA-16-388	X01*		Flash Pad Total square footage - 484 Interim Status Unit	Outdoor (associated with a open burn unit)

Unit Identifier	Process Codes	Operating Capacity	General Information	Type of Unit
TA-16-399	X01*		Burn Tray Total square footage - 64 Interim Status Unit not authorized to treat hazardous waste and undergoing closure	Outdoor (associated with an open burn unit)
TA-36-8	X01**	2000 lbs/ detonation	Near Structure TA-36-8 Interim Status Unit	NA
TA-39-6	X01**	1000 lbs/ detonation	Near Structure TA-39-6 Interim Status Unit	NA
TA-39-57	X01**	1000 lbs/ detonation	Near Structure TA-39-57 Interim Status Unit	NA
TA-50-69 Indoor	S01 T04	1,500 gal 275 gal/day	Includes Rooms 102 and 103. Includes treatment process for stabilization of nitrate salt-bearing waste. Total square footage – 2,680	Indoor
TA-50-69 Outdoor Pad	S01 T04	30,000 gal 3,441 gal/day	Includes 50-75 and 50-194. Includes treatment process for macroencapsulation Total square footage – 2,160	Outdoor (not associated with a regulated unit)
TA-54 “G”	D80	NA	Material Disposal Area Unit not permitted to receive hazardous waste	Regulated unit
TA-54 Area G Container Storage Unit (below ground)	S99	4,950 gal	Includes shafts 145 and 146 Wastes removed and unit undergoing closure, closure certification incomplete	NA

Unit Identifier	Process Codes	Operating Capacity	General Information	Type of Unit
TA-54 Area G Pad 1	S01 T04	502,920 gal 23,160 gal/day	Includes building TA-54-412 (DVRS) Includes treatment process for macroencapsulation Approximately 76,000 square feet	Outdoor (associated with a regulated unit)
TA-54 Area G Pad 3	S01 T04	213,840 gal 23,160 gal/day	Includes Storage Dome 48 Includes treatment process for macroencapsulation Approximately 17,000 square feet	Outdoor (associated with a regulated unit)
TA-54 Area G Pad 5	S01 T04	623,480 gal 23,160 gal/day	Includes Storage Domes 49 and 224 and Storage Sheds 144, 145, 146, 177, 1027, 1028, 1030, and 1041 Pad 5 is a consolidation of former Pads 5, 7, and 8. Includes treatment process for macroencapsulation Total square footage – 59,900	Outdoor (associated with a regulated unit)
TA-54 Area G Pad 6	S01 T04	597,300 gal 23,160 gal/day	Includes Storage Domes 153 and 283; and Transportainer 491. Includes treatment process for macroencapsulation Approximately 62,700 square feet	Outdoor (associated with an regulated unit)

Unit Identifier	Process Codes	Operating Capacity	General Information	Type of Unit
TA-54 Area G Pad 9	S01 T04	1,446,720 gal 23,160 gal/day	Includes Storage Domes 229, 230, 231, and 232. Includes treatment process for macroencapsulation Total square footage – 158,000	Outdoor (associated with a regulated unit)
TA-54 Area G Pad 10	S01 T04	159,770 gal 23,160 gal/day	Includes Transuranic (TRU) Waste Characterization Facilities: TA-54-0547 (SuperHENC), TA-54-0498 (LANL HENC), TA-54-0545 and 546 (Storage trailers), and 438. Pad 10 is a consolidation of former Pads 2 and 4. Includes treatment process for macroencapsulation Approximately 89,600 square feet	Outdoor (associated with a regulated unit)
TA-54 Area G Pad 11	S01 T04	682,440 gal 23,160 gal/day	Includes Storage Dome 375. Includes treatment process for macroencapsulation Total square footage – 65,500	Outdoor (associated with a regulated unit)
TA-54 Area G Storage Shed 8	S01	11,880 gal	Also referred to as TA-54-8 Total square footage - 640	Indoor
TA-54 Area G TA-54-33	S01 T04	108,240 gal 23,160 gal/day	Also referred to as Drum Prep Facility Includes treatment process for macroencapsulation Total square footage – 8,570	Indoor

Unit Identifier	Process Codes	Operating Capacity	General Information	Type of Unit
TA-54 "H"	D80	NA	Material Disposal Area H Unit not permitted to receive hazardous waste	Regulated unit
TA-54 "L"	D80	NA	Material Disposal Area L Unit not permitted to receive hazardous waste	Regulated unit
TA-54 Area L Container Storage Unit (below ground)	S99	600 gal	Includes shafts 36 and 37 Wastes removed and unit undergoing closure, closure certification incomplete	NA
TA-54 Area L Outdoor Pad	S01 T04	407,880 gal 23,160 gal/day	Includes all area within fence-line except limited administrative areas. Includes Storage Sheds 31, 68, 69, and 70; Storage Pads 32, 35, 36, and 58; and Building 39; and Storage Dome 215 (former Area 1). Includes treatment process for macroencapsulation Total square footage – 110,500	Outdoor (associated with a regulated unit)
TA-54-38 West Indoor	S01	4,950 gal	Includes High Bay and Low Bay Total square footage – 4,060	Indoor
TA-54-38 West Outdoor Pad	S01 T04	29,160 gal 23,160 gal/day	Includes loading dock and Pad surrounding Includes treatment process for macroencapsulation Total square footage – 37,900	Outdoor (not associated with a regulated unit)

Unit Identifier	Process Codes	Operating Capacity	General Information	Type of Unit
TA-54-38 West Outdoor Pad	S01	13,410 gal	Excess storage capacity Included in total square footage above	Outdoor (not associated with a regulated unit)
TA-55-4, B40	S01 T04	21,500 gal 3,441 gal/day	Located in basement Referred to as Area 1 Includes treatment process for macroencapsulation 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	Located in basement Referred to as Area 5 Non-liquid wastes only Total square footage - 260	Indoor
TA-55-4, B45	S01 T04	11,000 gal 3,441 gal/day	Located in basement Non-liquid wastes only Includes treatment process for macroencapsulation Total square footage - 788	Indoor
TA-55-4, B13	S01	4,950 gal	Located in basement Non-liquid waste only Total square footage - 495.83	Indoor
TA-55-4, G12	S01	5,225 gal	Located in basement Non-liquid waste only Total square footage - 512.98	Indoor
TA-55-4, Vault	S01	4,000 gal	Located in basement Referred to as Area 6 Total square footage – 4,020	Indoor

Unit Identifier	Process Codes	Operating Capacity	General Information	Type of Unit
TA-55-4-401 Mixed Waste Storage Tank System	S02	Storage - 137 gal	TA-55-4 Room 401 Unit divided into two components (Evaporator Glovebox Storage Tank System and Cementation Storage Tank System) Ancillary equipment and secondary containment. Total square footage – 4,500	Indoor
TA-55-4-401 Mixed Waste Stabilization Unit	T04	Treatment - 150 gal / day	TA-55-4 Room 401 Total square footage – 4,500	Indoor
TA-55-4 Outdoor Storage Pad	S01 T04	135,000 gal 3,441 gal/day	Located outside and west of TA-55-4 Includes building TA-55-PF-190 Includes treatment process for macroencapsulation Total square footage – 11,100	Outdoor (not associated with a regulated unit)
TA-55-355 Pad	S01 T04	84,370 gal 3,441 gal/day	Includes canopy and pad Includes treatment process for macroencapsulation Total square footage - 13,390	Outdoor (not associated with a regulated unit)
TA-63 Transuranic Waste Facility	S01 T04	105,875 gal 3,441 gal/day	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 Includes treatment process for macroencapsulation Total square footage—79,239	Outdoor (not associated with a regulated unit)

Attachment 2

Part A Application

ATTACHMENT B

PART A APPLICATION

OMB# 2050-0024; Expires 05/31/2020

United States Environmental Protection Agency
RCRA SUBTITLE C SITE IDENTIFICATION FORM

1. Reason for Submittal (Select only one.)

☐	Obtaining or updating an EPA ID number for an on-going regulated activity that will continue for a period of time. (Includes HSM activity)
☐	Submitting as a component of the Hazardous Waste Report for _____ (Reporting Year)
	☐ Site was a TSD facility and/or generator of > 1,000 kg of hazardous waste, > 1 kg of acute hazardous waste, or > 100 kg of acute hazardous waste spill cleanup in **one or more months of the reporting year** (or State equivalent LQG regulations)
☐	Notifying that regulated activity is no longer occurring at this Site
☐	Obtaining or updating an EPA ID number for conducting Electronic Manifest Broker activities
☑	Submitting a new or revised Part A Form

2. Site EPA ID Number

N	M	0	8	9	0	0	1	0	5	1	5

3. Site Name

Los Alamos National Laboratory

4. Site Location Address

Street Address **Bikini Atoll Road, SM-30**		
City, Town, or Village **Los Alamos**		County **Los Alamos**
State **New Mexico**	Country **USA**	Zip Code **87545**

5. Site Mailing Address ☐ Same as Location Address

Street Address **PO Box 1663, MS A316**		
City, Town, or Village **Los Alamos**		
State **New Mexico**	Country **USA**	Zip Code **87544**

6. Site Land Type

☐ Private ☐ County ☐ District ☑ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other

7. North American Industry Classification System (NAICS) Code(s) for the Site (at least 5-digit codes)

A. (Primary)	**928110**	C.	**562211**
B.	**54171**	D.	**562910**

8. Site Contact Information

☐ Same as Location Address

First Name **William**	MI **S**	Last Name **Goodrum**
Title **Manager, National Nuclear Security Administration, Los Alamos Field Office, U. S. Department of Energy**		
Street Address **3747 West Jemez Road, MS A316**		
City, Town, or Village **Los Alamos**		
State **New Mexico**	Country **USA**	Zip Code **87544**
Email **steve.goodrum@nnsa.doe.gov**		
Phone **(505) 667-5105**	Ext	Fax **(505) 667-5948**

9. Legal Owner and Operator of the Site

A. Name of Site's Legal Owner

☐ Same as Location Address

Full Name: United States Department of Energy	Date Became Owner (mm/dd/yyyy): 1/1/1943

Owner Type

☐ Private ☐ County ☐ District ☑ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other

Street Address: 3747 West Jemez Road, MS A316		
City, Town, or Village: Los Alamos		
State: New Mexico	Country: **USA**	Zip Code: 87544
Email		
Phone: (505) 667-5105	Ext	Fax: (505) 667-5948

Comments: The U.S Department of Energy (DOE) owns and co-operates the facility. The DOE National Nuclear Security Administration, Los Alamos Field Office and Los Alamos National Security, LLC (LANS) co-operate specified hazardous waste management units located at Technical Areas (TA) 3, 14, 16, 36, 39, 50, 55, 63, and 54 West. The DOE Environmental Management, Los Alamos Field Office and Newport News Nuclear BWXT-Los Alamos, LLC (N3B) co-operate different hazardous waste management units located at TA 54, Areas G, H and L.

B. Name of Site's Legal Operator

☐ Same as Location Address

Full Name: Los Alamos National Security, LLC (LANS)	Date Became Operator (mm/dd/yyyy): 6/1/2006

Operator Type

☑ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other

Street Address **105 Central Park Square, MS M325**		
City, Town, or Village **Los Alamos**		
State **New Mexico**	Country **USA**	Zip Code **87544**
Email		
Phone **(505) 606-0105**	Ext	Fax **(505) 665-9096**

Comments **See Item 18, Comments, for additional Operator**

10. Type of Regulated Waste Activity (at your site)

Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

A. Hazardous Waste Activities

☑ Y ☐ N	1. Generator of Hazardous Waste—If "Yes", mark only one of the following—a, b, c		
	☑	a. LQG	-Generates, in any calendar month (includes quantities imported by importer site) 1,000 kg/mo (2,200 lb/mo) or more of non-acute hazardous waste; or - Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lb/mo) of acute hazardous waste; or - Generates, in any calendar month or accumulates at any time, more than 100 kg/mo (220 lb/mo) of acute hazardous spill cleanup material.
	☐	b. SQG	100 to 1,000 kg/mo (220-2,200 lb/mo) of non-acute hazardous waste and no more than 1 kg (2.2 lb) of acute hazardous waste and no more than 100 kg (220 lb) of any acute hazardous spill cleanup material.
	☐	c. VSQG	Less than or equal to 100 kg/mo (220 lb/mo) of non-acute hazardous waste.
If "Yes" above, indicate other generator activities in 2 and 3, as applicable.			
☐ Y ☑ N	2. Short-Term Generator (generates from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.		
☑ Y ☐ N	3. Mixed Waste (hazardous and radioactive) Generator		
☑ Y ☐ N	4. Treater, Storer or Disposer of Hazardous Waste—Note: A hazardous waste Part B permit is required for these activities.		
☑ Y ☐ N	5. Receives Hazardous Waste from Off-site		
☐ Y ☑ N	6. Recycler of Hazardous Waste		
	☐	a. Recycler who stores prior to recycling	
	☐	b. Recycler who does not store prior to recycling	
☐ Y ☑ N	7. Exempt Boiler and/or Industrial Furnace—If "Yes", mark all that apply.		
	☐	a. Small Quantity On-site Burner Exemption	
	☐	b. Smelting, Melting, and Refining Furnace Exemption	

B. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g. D001, D003, F007, U112). Use an additional page if more spaces are needed.

See Attached						

C. Waste Codes for State Regulated (non-Federal) Hazardous Wastes. Please list the waste codes of the State hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.

None						

11. Additional Regulated Waste Activities (NOTE: Refer to your State regulations to determine if a separate permit is required.)

A. Other Waste Activities

☑ Y ☐ N	1. Transporter of Hazardous Waste—If "Yes", mark all that apply.
☑	a. Transporter
☑	b. Transfer Facility (at your site)
☐ Y ☑ N	2. Underground Injection Control
☐ Y ☑ N	3. United States Importer of Hazardous Waste
☐ Y ☑ N	4. Recognized Trader—If "Yes", mark all that apply.
☐	a. Importer
☐	b. Exporter
☐ Y ☑ N	5. Importer/Exporter of Spent Lead-Acid Batteries (SLABs) under 40 CFR 266 Subpart G—If "Yes", mark all that apply.
☐	a. Importer
☐	b. Exporter

B. Universal Waste Activities

☑ Y ☐ N	1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) - If "Yes" mark all that apply. Note: Refer to your State regulations to determine what is regulated.
☑	a. Batteries
☑	b. Pesticides
☑	c. Mercury containing equipment
☑	d. Lamps
☐	e. Other (specify) _____
☐	f. Other (specify) _____
☐	g. Other (specify) _____
☐ Y ☑ N	2. Destination Facility for Universal Waste Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities

☐ Y ☑ N	1. Used Oil Transporter—If "Yes", mark all that apply.
☐	a. Transporter
☐	b. Transfer Facility (at your site)
☐ Y ☑ N	2. Used Oil Processor and/or Re-refiner—If "Yes", mark all that apply.
☐	a. Processor
☐	b. Re-refiner
☐ Y ☑ N	3. Off-Specification Used Oil Burner
☐ Y ☑ N	4. Used Oil Fuel Marketer—If "Yes", mark all that apply.
☐	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

12. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR 262 Subpart K.

☐ Y ☑ N	A. Opting into or currently operating under 40 CFR 262 Subpart K for the management of hazardous wastes in laboratories—If "Yes", mark all that apply. Note: See the item-by-item instructions for definitions of types of eligible academic entities.
☐	1. College or University
☐	2. Teaching Hospital that is owned by or has a formal written affiliation with a college or university
☐	3. Non-profit Institute that is owned by or has a formal written affiliation with a college or univer-
☐ Y ☑ N	B. Withdrawing from 40 CFR 262 Subpart K for the management of hazardous wastes in laboratories.

13. Episodic Generation

☐ Y ☑ N	Are you an SQG or VSQG generating hazardous waste from a planned or unplanned episodic event, lasting no more than 60 days, that moves you to a higher generator category. If "Yes", you must fill out the Addendum for Episodic Generator.

14. LQG Consolidation of VSQG Hazardous Waste

☐ Y ☑ N	Are you an LQG notifying of consolidating VSQG Hazardous Waste Under the Control of the Same Person pursuant to 40 CFR 262.17(f)? If "Yes", you must fill out the Addendum for LQG Consolidation of VSQGs hazardous waste.

15. Notification of LQG Site Closure for a Central Accumulation Area (CAA) (optional) OR Entire Facility (required)

☐ Y ☑ N	LQG Site Closure of a Central Accumulation Area (CAA) or Entire Facility.
	A. ☐ Central Accumulation Area (CAA) ☐ Entire Facility
	B. Expected closure date: _____ mm/dd/yyyy
	C. Requesting new closure date: _____ mm/dd/yyyy
	D. Date closed : _____ mm/dd/yyyy ☐ 1. In compliance with the closure performance standards 40 CFR 262.17(a)(8) ☐ 2. Not in compliance with the closure performance standards 40 CFR 262.17(a)(8)

16. Notification of Hazardous Secondary Material (HSM) Activity

☐ Y ☑ N	A. Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 260.30, 40 CFR 261.4(a)(23), (24), or (27)? If "Yes", you must fill out the Addendum to the Site Identification Form for Managing Hazardous Secondary Material.
☐ Y ☑ N	B. Are you notifying under 40 CFR 260.43(a)(4)(iii) that the product of your recycling process has levels of hazardous constituents that are not comparable to or unable to be compared to a legitimate product or intermediate but that the recycling is still legitimate? If "Yes", you may provide explanation in Comments section. You must also document that your recycling is still legitimate and maintain that documentation on site.

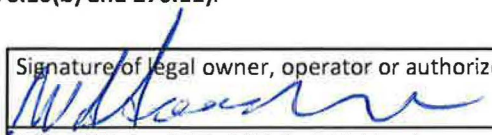
17. Electronic Manifest Broker

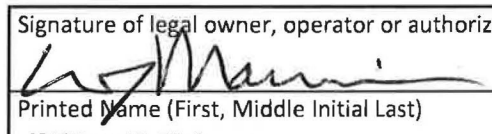
☐ Y ☑ N	Are you notifying as a person, as defined in 40 CFR 260.10, electing to use the EPA electronic manifest system to obtain, complete, and transmit an electronic manifest under a contractual relationship with a hazardous waste generator?

18. Comments (include item number for each comment)

8- Additional Site Contact Information
First Name: Douglas **MI: E** **Last Name: Hintze**
Title: Manager, Environmental Management, Los Alamos Field Office, U. S. Department of Energy
Street Address: 1900 Diamond Drive, MS M984 **City, Town, or Village: Los Alamos**
State: NM **Country: USA** **Zip Code: 87544**
Email: douglas.hintze@em.doe.gov
Phone: (505) 665-5820 **Ext:** **Fax: (505) 665-5903**
9B- Additional Name of Site Legal Operator
Newport News Nuclear BWXT-Los Alamos, LLC (N3B) **Date Became an Operator: 04/30/2018** **Operator Type: Private**
Street Address: 600 6th Street **City, Town, or Village: Los Alamos**
State: NM **Country: USA** **Zip Code: 87544**
Email: nlombardo@hii-sn3.com
Phone: (303) 546-4403 **Ext:** **Fax: (303) 443-1408**

19. Certification 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 fines and imprisonment for knowing violations. **Note: For the RCRA Hazardous Waste Part A permit Application, all owners and operators must sign (see 40 CFR 270.10(b) and 270.11)**.

Signature of legal owner, operator or authorized representative 	Date (mm/dd/yyyy) 7/3/18
Printed Name (First, Middle Initial Last) **William S. Goodrum**	Title **Manager, National Nuclear Security Administration, Los Alamos Field Office, U.S. Department of Energy**
Email **steve.goodrum@nnsa.doe.gov**	

Signature of legal owner, operator or authorized representative 	Date (mm/dd/yyyy) 6-29-18
Printed Name (First, Middle Initial Last) **William R. Mairson**	Title **Operator, Los Alamos National Security , LLC (LANS)**
Email **wrmairson@lanl.gov**	

18. Comments (include item number for each comment)

19. Certification 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 fines and imprisonment for knowing violations. **Note: For the RCRA Hazardous Waste Part A permit Application, all owners and operators must sign (see 40 CFR 270.10(b) and 270.11).**

Signature of legal owner, operator or authorized representative Douglas E. Hintze	Date (mm/dd/yyyy) 07/09/2018
Printed Name (First, Middle Initial Last) **Douglas E. Hintze**	Title **Manager, Environmental Management, Los Alamos Field Office, U.S. Department of Energy**
Email **douglas.hintze@em.doe.gov**	

Signature of legal owner, operator or authorized representative	Date (mm/dd/yyyy) 1/9/2018
Printed Name (First, Middle Initial Last) **Nicholas J. Lombardo**	Title **Operator, Newport News Nuclear BWXT-Los Alamos, LLC (N3B)**
Email **nlombardo@hii-sn3.com**	

ADDENDUM TO THE SITE IDENTIFICATION FORM: NOTIFICATION OF HAZARDOUS SECONDARY MATERIAL ACTIVITY

ONLY fill out this form if:

- You are located in a State that allows you to manage excluded hazardous secondary material (HSM) under 40 CFR 261.2(30), 261.4(a)(23), (24), or (27) (or state equivalent; See https://www.epa.gov/epawaste/hazard/dsw/statespf.htm for a list of eligible states; AND
- You are or will be managing excluded HSM in compliance with 40 CFR 260.30, 261.4(a)(23), (24), or (27) (or state equivalent) or have stopped managing excluded HSM in compliance with the exclusion(s) and do not expect to manage any amount of excluded HSM under the exclusion(s) for at least one year. Do not include any information regarding your hazardous waste activities in this section. Note: If your facility was granted a solid waste variance under 40 CFR 260.30 prior to July 13, 2015, your management of HSM under 40 CFR 260.30 is grandfathered under the previous regulations and you are not required to notify for the HSM management activity excluded under 40 CFR 260.30.

1. Reason for Notification (Include dates where requested)

☐ Facility will begin managing excluded HSM as of _____ (mm/dd/yyyy).

☐ Facility is still 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) and is notifying as required.

2. Description of Excluded HSM Activity. Please list the appropriate codes (see Code List section of the instructions) and quantities, in short tons, to describe your excluded HSM activity ONLY (do not include any information regarding your hazardous wastes). Use additional pages if more space is needed.

A. Facility Code	B. Waste Code(s) for HSM	C. Estimate 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

ADDENDUM TO THE SITE IDENTIFICATION FORM: EPISODIC GENERATOR

ONLY fill out this form if:

- You are an SQG or VSQG generating hazardous waste from a planned or unplanned episodic event, lasting no more then 60 days, that moves the generator to a higher generator category pursuant to 40 CFR 262 Subpart L. Note: Only one planned and one unplanned episodic event are allowed within one year; otherwise, you must follow the requirements of the higher generator category. Use additional pages if more space is needed.

Episodic Event	
1. Planned ☐ Excess chemical inventory removal ☐ Tank cleanouts ☐ Short-term construction or demolition ☐ Equipment maintenance during plant shutdowns ☐ Other _____	2. Unplanned ☐ Accidental spills ☐ Production process upsets ☐ Product recalls ☐ "Acts of nature" (Tornado, hurricane, flood, etc.) ☐ Other _____
3. Emergency Contact Phone	4. Emergency Contact Name
5. Beginning Date _____ (mm/dd/yyyy)	6. End Date _____ (mm/dd/yyyy)

Waste 1

7. Waste Description				8. Estimated Quantity (in pounds)	
9. Federal and/or State Hazardous Waste Codes					

Waste 2

7. Waste Description				8. Estimated Quantity (in pounds)	
9. Federal and/or State Hazardous Waste Codes					

Waste 3

7. Waste Description				8. Estimated Quantity (in pounds)	
9. Federal and/or State Hazardous Waste Codes					

ADDENDUM TO THE SITE IDENTIFICATION FORM: LQG CONSOLIDATION OF VSQG HAZARDOUS WASTE

ONLY fill out this form if:

- You are an LQG receiving hazardous waste from VSQGs under the control of the same person. Use additional pages if more space is needed.

VSQG 1		
1. EPA ID Number (if assigned)	2. Name	
3. Street Address		
4. City, Town, or Village	5. State	6. Zip Code
7. Contact Phone Number	8. Contact Name	
9. Email		

VSQG 2		
1. EPA ID Number (if assigned)	2. Name	
3. Street Address		
4. City, Town, or Village	5. State	6. Zip Code
7. Contact Phone Number	8. Contact Name	
9. Email		

VSQG 3		
1. EPA ID Number (if assigned)	2. Name	
3. Street Address		
4. City, Town, or Village	5. State	6. Zip Code
7. Contact Phone Number	8. Contact Name	
9. Email		

10. Type of Regulated Waste Activity (at your site)

B. Waste Codes for Federally Regulated Hazardous Wastes.

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

10. Type of Regulated Waste Activity (at your site)
B. 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						

United States Environmental Protection Agency

HAZARDOUS WASTE PERMIT PART A FORM

1. Facility Permit Contact

First Name	**William**	MI	**S**	Last Name	**Goodrum**
Title	**Manager, National Nuclear Security Administration, Los Alamos Field Office, DOE**				
Email	**steve.goodrum@nnsa.doe.gov**				
Phone	**505-667-5105**	Ext		Fax	**505-667-5948**

2. Facility Permit Contact Mailing Address

Street Address	**3747 West Jemez Road, MS A316**	
City, Town, or Village	**Los Alamos**	
State **NM**	Country **USA**	Zip Code **87544**

3. Facility Existence Date (mm/dd/yyyy)

01/01/1943

4. Other Environmental Permits

A. Permit Type	B. Permit Number	C. Description
See Attached		

5. Nature of Business

The central mission of Los Alamos National Laboratory is the reduction of global nuclear danger supported by research that also contributes to conventional defense, civilian, and industrial needs. This includes programs in nuclear, medium energy, and space physics; hydrodynamics; conventional explosives; chemistry; metallurgy; radiochemistry; space nuclear systems; controlled thermonuclear fusion; laser research; environmental technology; geothermal, solar, and fossil energy research; nuclear safeguards; biomedicine; health and biotechnology; and industrial partnerships.

4. Other Environmental Permits (continued)

A. Permit Type	B. Permit Number	C. Description
National Pollutant Discharge Elimination System (NPDES):		
NPDES Construction General Permit:		
N	**NMR12A---**	**NPDES Construction General Permit coverage for various individual construction projects: NMR120000**
NPDES Industrial and Point Source Permit:		
N	**NM0028355**	**NPDES Industrial and Sanitary Point Source Discharges**
NPDES Storm Water Multi-Sector General Permit (MSGP) for Industrial Activities		
N	**NMR053195**	**NPDES MSGP**
NPDES Storm Water Individual Permit		
N	**NM0030759**	**NPDES LANL Storm Water Individual Permit**
NPDES Pesticides General Permit		
N	**NMG87B097**	**NPDES Pesticides General Permit (PGP) for discharges from the application of pesticides**
Resource Conservation and Recovery Act (RCRA):		
R	**NM089001051500**	**RCRA Hazardous Waste Facility Permit**
Groundwater Discharge Plans (GDP):		
E	**DP-857**	**TA-46 SWWS Plant and TA-3 Sanitary Effluent Reclamation Facility (SERF) Discharge Permit Application**
E	**DP-1132**	**TA-50 Radioactive Liquid Waste Treatment Facility, Discharge Permit Application**
E	**DP-1589**	**Twelve (12) Domestic Septic Tank/Leachfield Systems, Discharge Permit**
E	**DP-1793**	**On-Site Treatment and Land Application of Groundwater, Discharge Permit**
E	**DP-1835**	**Injection of Treated Groundwater into Class V Underground Injection Control (UIC) Wells, Discharge Permit**
Clean Water Act Section 404 Dredge and Fill Permits with U.S. Army Corps of Engineers		
F	**NWP-43**	**Water Canyon West Jemez road Storm Drain Controls**
F	**NWP-38**	**Sandia Canyon TA-72 Storm Water Controls**
F	**NWP-27**	**Habitat Restoration- Mortandad Wetland Enhancement**
F	**NWP-43**	**Sandia Canyon (Lower) Area 1 Storm Water Controls**
F	**NWP-43**	**Sandia Canyon (Lower) Area 2 Storm Water Controls**
F	**NWP-43**	**Upper Ancho Canyon Structure Storm Water Controls**
F	**NWP-43**	**North Ancho Canyon Lower Structure Storm Water Controls**
Air Quality Permits:		
Air Quality Operating Permit (20.2.70 NMAC)		
E	**P100-R2-M1**	**LANL Air Emissions Title V Operating Permit**
Air Quality (20.2.72 NMAC)		
E	**2195-R1-R71**	**Various 20 NMAC 2.72.202 Exemptions**
E	**2195B-M2**	**TA-3 Power Plant**

A. Permit Type	B. Permit Number												C. Description
E	**2**	**1**	**9**	**5**	**F**	**-**	**R**	**4**					**TA-33 Large Generator**
E	**G**	**C**	**P**	**3**	**-**	**2**	**1**	**9**	**5**	**G**	**-**	**R**	**1**	**TA-60 Asphalt Plant**
E	**2**	**1**	**9**	**5**	**H**	**-**								**Data disintegrator**
E	**2**	**1**	**9**	**5**	**N**	**-**	**R**	**2**						**Chemistry and Metallurgy Research Replacement Facility**
E	**2**	**1**	**9**	**5**	**P**	**-**	**R**	**1**						**TA-33 Small Generators**
Air Quality (National Emission Standards for Hazardous Air Pollutants) Beryllium Machining:														
E	**6**	**3**	**4**	**-**	**M**	**2**								**TA-3-141 Beryllium Operations**
E	**6**	**3**	**2**	**-**	**R**	**1**								**TA-35-213 Beryllium Operations**
E	**1**	**0**	**8**	**-**	**M**	**1**	**-**	**R**	**6**					**TA-55-4 Beryllium Operations**

6. Process Codes and Design Capacities

Line Number		A. Process Code			B. Process Design Capacity		C. Process Total Number of Units	D. Unit Name
					(1) Amount	(2) Unit of Measure		
								See Attached

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.		A. EPA Hazardous Waste No.				B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes								
								(1) Process Codes								(2) Process Description (if code is not entered in 7.D1))
																See Attached

8. Map

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 spring, rivers, and other surface water bodies in this map area. See instructions for precise requirements.

9. Facility Drawing

All existing facilities must include a scale drawing of the facility. See instructions for more detail.

10. 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.

11. Comments

Remaining pages of document include information for Items 6-10. All documentation is arranged by
individual Technical Areas (TAs) at the Los Alamos National Laboratory.

6. Process Codes and Design Capacities

Line Number		A. Process Code			B. Process Design Capacity		C. Process Total Number of Units	D. Unit Name
					(1) Amount	(2) Unit of Measure		
	1	S	0	1	18,500	G	001	Technical Area 3
	2	T	0	4	3,441	U	001	Technical Area 3
	3	X	0	1	1,020 or 50	J* or U	002	Technical Area 14 *Total indicates per day not per hour
	4	X	0	1	1,200 or 50	J* or U	002	Technical Area 16 *Total indicates per day not per hour
	5	X	0	1	2,000	J*	001	Technical Area 36 *Total indicates per day not per hour
	6	X	0	1	2,000	J*	002	Technical Area 39 *Total indicates per day not per hour
	7	S	0	1	31,500	G	002	Technical Area 50
	8	T	0	4	3,716	U	002	Technical Area 50
	9	S	0	1	407,880	G	001	Technical Area 54, Area L
1	0	T	0	4	23,160	U	001	Technical Area 54, Area L
1	1	D	8	0	1,200	Y	001	Technical Area 54, Area L
1	2	S	9	9	600	G	001	Technical Area 54, Area L
1	3	S	0	1	4,346,590	G	009	Technical Area 54, Area G
1	4	T	0	4	185,280	U	008	Technical Area 54, Area G
1	5	S	0	1	4,950	G	001	Technical Area 54, Area G
1	6	D	8	0	14	Y	001	Technical Area 54, Area G
1	7	S	0	1	34,110 + 13,410+	G	002	Technical Area 54, West +Total includes excess storage capacity
1	8	T	0	4	3,441	U	001	Technical Area 54, West
1	9	D	8	0	63	Y	001	Technical Area 54, Area H
2	0	S	0	1	272,145	G	009	Technical Area 55
2	1	S	0	2	137	G	001	Technical Area 55
2	2	T	0	4	13,914	U	005	Technical Area 55
2	3	S	0	1	105,875	G	001	Technical Area 63
2	4	T	0	4	23,160	U	001	Technical Area 63

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 3					
1	D001	7,000	P	S01	
2	D002	21,000	P	S01	
3	D003	2,500	P	S01	
4	D004	3,000	P	S01 T04	
5	D005	3,000	P	S01 T04	
6	D006	2,500	P	S01 T04	
7	D007	7,000	P	S01 T04	
8	D008	27,000	P	S01 T04	
9	D009	4,000	P	S01 T04	
10	D010	2,500	P	S01 T04	
11	D011	3,000	P	S01 T04	
12	D012	1,000	P	S01	
13	D018	1,500	P	S01 T04	
14	D019	2,000	P	S01 T04	
15	D021	2,000	P	S01 T04	
16	D022	2,000	P	S01 T04	
17	D023	2,000	P	S01 T04	
18	D024	2,000	P	S01 T04	
19	D025	2,000	P	S01 T04	
20	D026	2,000	P	S01 T04	
21	D027	1,500	P	S01 T04	
22	D028	2,000	P	S01 T04	
23	D029	1,000	P	S01 T04	
24	D030	1,500	P	S01 T04	
25	D032	1,500	P	S01 T04	
26	D033	1,500	P	S01 T04	
27	D034	1,500	P	S01 T04	
28	D035	3,500	P	S01 T04	
29	D036	1,500	P	S01 T04	
30	D037	1,000	P	S01 T04	
31	D038	1,500	P	S01 T04	
32	D039	2,500	P	S01 T04	
33	D040	2,500	P	S01 T04	
34	D042	1,500	P	S01 T04	
35	D043	1,500	P	S01 T04	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 3 (continued)					
36	F001	21,000	P	S01 T04	
37	F002	21,000	P	S01 T04	
38	F003	21,000	P	S01	
39	F004	2,500	P	S01 T04	
40	F005	21,000	P	S01	
41	F006	500	P	S01	
42	F007	500	P	S01	
43	F009	500	P	S01	
44	P003	1,000	P	S01	
45	P012	1,000	P	S01	
46	P015	1,000	P	S01	
47	P029	1,000	P	S01	
48	P030	1,000	P	S01	
49	P031	1,000	P	S01	
50	P038	1,000	P	S01	
51	P056	1,000	P	S01	
52	P063	1,000	P	S01	
53	P068	1,000	P	S01	
54	P073	1,000	P	S01	
55	P076	1,000	P	S01	
56	P078	1,000	P	S01	
57	P095	1,000	P	S01	
58	P096	1,000	P	S01	
59	P098	1,000	P	S01	
60	P099	500	P	S01	
61	P106	1,000	P	S01	
62	P110	1,000	P	S01	
63	P120	1,000	P	S01	
64	U001	1,000	P	S01	
65	U002	1,000	P	S01	
66	U003	1,000	P	S01	
67	U012	1,000	P	S01	
68	U019	1,000	P	S01	
69	U022	1,000	P	S01	
70	U029	1,000	P	S01	
71	U031	1,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 3 (continued)					
7 2	U 0 3 7	1,000	P	S 0 1	
7 3	U 0 4 4	1,000	P	S 0 1	
7 4	U 0 4 5	1,000	P	S 0 1	
7 5	U 0 5 2	1,000	P	S 0 1	
7 6	U 0 5 6	1,000	P	S 0 1	
7 7	U 0 5 7	1,000	P	S 0 1	
7 8	U 0 7 5	1,000	P	S 0 1	
7 9	U 0 7 7	1,000	P	S 0 1	
8 0	U 0 8 0	1,000	P	S 0 1	
8 1	U 1 0 3	500	P	S 0 1	
8 2	U 1 0 8	1,000	P	S 0 1	
8 3	U 1 1 2	1,000	P	S 0 1	
8 4	U 1 1 5	1,000	P	S 0 1	
8 5	U 1 1 7	1,000	P	S 0 1	
8 6	U 1 2 1	1,000	P	S 0 1	
8 7	U 1 2 2	1,000	P	S 0 1	
8 8	U 1 2 3	1,000	P	S 0 1	
8 9	U 1 3 1	1,000	P	S 0 1	
9 0	U 1 3 3	1,000	P	S 0 1	
9 1	U 1 3 4	1,000	P	S 0 1	
9 2	U 1 3 5	1,000	P	S 0 1	
9 3	U 1 4 0	1,000	P	S 0 1	
9 4	U 1 4 4	1,000	P	S 0 1	
9 5	U 1 5 1	1,000	P	S 0 1	
9 6	U 1 5 4	1,000	P	S 0 1	
9 7	U 1 5 9	1,000	P	S 0 1	
9 8	U 1 6 0	1,000	P	S 0 1	
9 9	U 1 6 1	1,000	P	S 0 1	
10 0	U 1 6 5	1,000	P	S 0 1	
10 1	U 1 6 9	1,000	P	S 0 1	
10 2	U 1 8 8	1,000	P	S 0 1	
10 3	U 1 9 0	1,000	P	S 0 1	
10 4	U 1 9 6	1,000	P	S 0 1	
10 5	U 2 0 4	1,000	P	S 0 1	
10 6	U 2 1 0	1,000	P	S 0 1	
10 7	U 2 1 1	1,000	P	S 0 1	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 3 (continued)					
10	U213	1,000	P	S01	
10	U216	1,000	P	S01	
11	U218	1,000	P	S01	
11	U219	1,000	P	S01	
11	U220	1,000	P	S01	
11	U225	500	P	S01	
11	U226	1,000	P	S01	
11	U227	500	P	S01	
11	U228	1,000	P	S01	
11	U239	500	P	S01	
11	U246	500	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.					B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes								
								(1) Process Codes								(2) Process Description (if code is not entered in 7.D1))
Technical Area 14																
	1	D	0	0	1	2,000	P	X	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.

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 16					
	1 D 0 0 1	20,000	P	X 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 K 0 4 4				Included with above.
2	6 K 0 4 5				Included with above.

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.					B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes								
								(1) Process Codes								(2) Process Description (if code is not entered in 7.D1))
Technical Area 36																
	1	D	0	0	1	15,000	P	X	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.

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.					B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes								
								(1) Process Codes								(2) Process Description (if code is not entered in 7.D1))
Technical Area 39																
	1	D	0	0	1	15,000	P	X	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.

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50					
	1	D001	69,696	P	S01 T04
	2	D002	52,734	P	S01 T04
	3	D003	3,444	P	S01
	4	D004	7,531	P	S01 T04
	5	D005	7,740	P	S01 T04
	6	D006	535, 451	P	S01 T04
	7	D007	567, 226	P	S01 T04
	8	D008	1,405,439	P	S01 T04
	9	D009	75,666	P	S01 T04
1	0	D010	8,922	P	S01 T04
1	1	D011	31,255	P	S01 T04
1	2	D012	100	P	S01
1	3	D013	100	P	S01
1	4	D014	100	P	S01
1	5	D015	100	P	S01
1	6	D016	44	P	S01
1	7	D017	66	P	S01
1	8	D018	5,535	P	S01 T04
1	9	D019	4,261	P	S01 T04
2	0	D020	100	P	S01 T04
2	1	D021	100	P	S01 T04
2	2	D022	100	P	S01 T04
2	3	D023	100	P	S01 T04
2	4	D024	100	P	S01 T04
2	5	D025	100	P	S01 T04
2	6	D026	518	P	S01 T04
2	7	D027	972	P	S01 T04
2	8	D028	216,783	P	S01 T04
2	9	D029	215,184	P	S01 T04
3	0	D030	5,491	P	S01 T04
3	1	D031	293	P	S01 T04
3	2	D032	3,135	P	S01 T04
3	3	D033	2,222	P	S01 T04
3	4	D034	1,228	P	S01 T04
3	5	D035	1,792	P	S01 T04
3	6	D036	549	P	S01 T04

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50 (continued)					
3 7	D 0 3 7	761	P	S 0 1 T 0 4	
3 8	D 0 3 8	1,549	P	S 0 1 T 0 4	
3 9	D 0 3 9	1,675	P	S 0 1 T 0 4	
4 0	D 0 4 0	3,942	P	S 0 1 T 0 4	
4 1	D 0 4 1	293	P	S 0 1 T 0 4	
4 2	D 0 4 2	1,182	P	S 0 1 T 0 4	
4 3	D 0 4 3	655	P	S 0 1 T 0 4	
4 4	F 0 0 1	442,263	P	S 0 1 T 0 4	
4 5	F 0 0 2	147,347	P	S 0 1 T 0 4	
4 6	F 0 0 3	50,980	P	S 0 1 T 0 4	
4 7	F 0 0 4	2,817	P	S 0 1 T 0 4	
4 8	F 0 0 5	334,821	P	S 0 1 T 0 4	
4 9	F 0 0 6	100	P	S 0 1 T 0 4	
5 0	F 0 0 7	100	P	S 0 1 T 0 4	
5 1	F 0 0 8	100	P	S 0 1	
5 2	F 0 0 9	165	P	S 0 1 T 0 4	
5 3	F 0 1 0	100	P	S 0 1	
5 4	F 0 1 1	100	P	S 0 1	
5 5	F 0 1 2	100	P	S 0 1	
5 6	F 0 1 9	100	P	S 0 1	
5 7	F 0 2 0	100	P	S 0 1	
5 8	F 0 2 1	100	P	S 0 1	
5 9	F 0 2 2	100	P	S 0 1	
6 0	F 0 2 3	100	P	S 0 1	
6 1	F 0 2 4	100	P	S 0 1	
6 2	F 0 2 5	100	P	S 0 1	
6 3	F 0 2 6	100	P	S 0 1	
6 4	F 0 2 7	165	P	S 0 1	
6 5	F 0 2 8	100	P	S 0 1	
6 6	F 0 3 2	100	P	S 0 1	
6 7	F 0 3 4	100	P	S 0 1	
6 8	F 0 3 5	100	P	S 0 1	
6 9	F 0 3 7	100	P	S 0 1	
7 0	F 0 3 8	100	P	S 0 1	
7 1	F 0 3 9	100	P	S 0 1	
7 2	K 0 4 4	100	P	S 0 1	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50 (continued)					
7 3	K 0 4 5	100	P	S 0 1	
7 4	K 0 4 6	100	P	S 0 1	
7 5	K 0 4 7	100	P	S 0 1	
7 6	K 0 8 4	100	P	S 0 1	
7 7	K 1 0 1	100	P	S 0 1	
7 8	K 1 0 2	100	P	S 0 1	
7 9	P 0 0 1	100	P	S 0 1	
8 0	P 0 0 2	100	P	S 0 1	
8 1	P 0 0 3	293	P	S 0 1	
8 2	P 0 0 4	100	P	S 0 1	
8 3	P 0 0 5	100	P	S 0 1	
8 4	P 0 0 6	143	P	S 0 1	
8 5	P 0 0 7	100	P	S 0 1	
8 6	P 0 0 8	100	P	S 0 1	
8 7	P 0 0 9	100	P	S 0 1	
8 8	P 0 1 0	100	P	S 0 1	
8 9	P 0 1 1	143	P	S 0 1	
9 0	P 0 1 2	293	P	S 0 1	
9 1	P 0 1 3	100	P	S 0 1	
9 2	P 0 1 4	100	P	S 0 1	
9 3	P 0 1 5	293	P	S 0 1	
9 4	P 0 1 6	100	P	S 0 1	
9 5	P 0 1 7	100	P	S 0 1	
9 6	P 0 1 8	100	P	S 0 1	
9 7	P 0 2 0	100	P	S 0 1	
9 8	P 0 2 1	100	P	S 0 1	
9 9	P 0 2 2	100	P	S 0 1	
10 0	P 0 2 3	100	P	S 0 1	
10 1	P 0 2 4	100	P	S 0 1	
10 2	P 0 2 6	100	P	S 0 1	
10 3	P 0 2 7	100	P	S 0 1	
10 4	P 0 2 8	100	P	S 0 1	
10 5	P 0 2 9	293	P	S 0 1	
10 6	P 0 3 0	485	P	S 0 1	
10 7	P 0 3 1	485	P	S 0 1	
10 8	P 0 3 3	143	P	S 0 1	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50 (continued)					
10	P034	100	P	S01	
11	P036	100	P	S01	
11	P037	100	P	S01	
11	P038	227	P	S01	
11	P039	100	P	S01	
11	P040	100	P	S01	
11	P041	100	P	S01	
11	P042	100	P	S01	
11	P043	143	P	S01	
11	P044	100	P	S01	
11	P045	100	P	S01	
12	P046	100	P	S01	
12	P047	100	P	S01	
12	P048	143	P	S01	
12	P049	100	P	S01	
12	P050	100	P	S01	
12	P051	100	P	S01	
12	P054	100	P	S01	
12	P056	2,624	P	S01	
12	P057	100	P	S01	
12	P058	100	P	S01	
13	P059	100	P	S01	
13	P060	100	P	S01	
13	P062	100	P	S01	
13	P063	293	P	S01	
13	P064	100	P	S01	
13	P065	100	P	S01	
13	P066	100	P	S01	
13	P067	100	P	S01	
13	P068	293	P	S01	
13	P069	100	P	S01	
14	P070	100	P	S01	
14	P071	100	P	S01	
14	P072	100	P	S01	
14	P073	293	P	S01	
14	P074	100	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50 (continued)					
14	P075	100	P	S01	
14	P076	403	P	S01	
14	P077	100	P	S01	
14	P078	425	P	S01	
14	P081	100	P	S01	
15	P082	100	P	S01	
15	P084	100	P	S01	
15	P085	100	P	S01	
15	P087	100	P	S01	
15	P088	100	P	S01	
15	P089	100	P	S01	
15	P092	143	P	S01	
15	P093	100	P	S01	
15	P094	100	P	S01	
15	P095	293	P	S01	
16	P096	293	P	S01	
16	P097	100	P	S01	
16	P098	293	P	S01	
16	P099	100	P	S01	
16	P101	100	P	S01	
16	P102	100	P	S01	
16	P103	100	P	S01	
16	P104	143	P	S01	
16	P105	143	P	S01	
16	P106	293	P	S01	
17	P108	100	P	S01	
17	P109	100	P	S01	
17	P110	100	P	S01	
17	P111	100	P	S01	
17	P112	143	P	S01	
17	P113	293	P	S01	
17	P114	100	P	S01	
17	P115	100	P	S01	
17	P116	100	P	S01	
17	P118	100	P	S01	
18	P119	143	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50 (continued)					
18	P120	293	P	S01	
18	P121	100	P	S01	
18	P122	100	P	S01	
18	P123	100	P	S01	
18	P127	100	P	S01	
18	P128	100	P	S01	
18	P185	100	P	S01	
18	P188	100	P	S01	
18	P189	100	P	S01	
19	P190	100	P	S01	
19	P191	100	P	S01	
19	P192	100	P	S01	
19	P193	100	P	S01	
19	P196	100	P	S01	
19	P197	100	P	S01	
19	P198	100	P	S01	
19	P199	100	P	S01	
19	P201	100	P	S01	
19	P202	100	P	S01	
20	P203	100	P	S01	
20	P204	100	P	S01	
20	P205	100	P	S01	
20	U001	293	P	S01	
20	U002	954	P	S01	
20	U003	485	P	S01	
20	U004	100	P	S01	
20	U005	100	P	S01	
20	U006	100	P	S01	
20	U009	143	P	S01	
21	U008	143	P	S01	
21	U009	143	P	S01	
21	U010	100	P	S01	
21	U011	100	P	S01	
21	U012	293	P	S01	
21	U014	100	P	S01	
21	U015	100	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50 (continued)					
21	U016	100	P	S01	
21	U017	100	P	S01	
21	U018	143	P	S01	
22	U019	470	P	S01	
22	U020	100	P	S01	
22	U021	100	P	S01	
22	U022	293	P	S01	
22	U023	100	P	S01	
22	U024	100	P	S01	
22	U025	100	P	S01	
22	U026	100	P	S01	
22	U027	100	P	S01	
22	U028	100	P	S01	
23	U029	293	P	S01	
23	U030	100	P	S01	
23	U031	293	P	S01	
23	U032	100	P	S01	
23	U034	143	P	S01	
23	U035	100	P	S01	
23	U036	100	P	S01	
23	U037	100	P	S01	
23	U038	143	P	S01	
23	U039	100	P	S01	
24	U039	100	P	S01	
24	U041	143	P	S01	
24	U042	100	P	S01	
24	U043	100	P	S01	
24	U044	293	P	S01	
24	U045	293	P	S01	
24	U046	100	P	S01	
24	U047	100	P	S01	
24	U048	100	P	S01	
24	U049	100	P	S01	
25	U050	100	P	S01	
25	U051	100	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50 (continued)					
25	U052	293	P	S01	
25	U053	100	P	S01	
25	U055	143	P	S01	
25	U056	293	P	S01	
25	U057	293	P	S01	
25	U058	100	P	S01	
25	U059	100	P	S01	
25	U060	100	P	S01	
26	U061	100	P	S01	
26	U062	100	P	S01	
26	U063	100	P	S01	
26	U064	100	P	S01	
26	U066	100	P	S01	
26	U067	143	P	S01	
26	U068	143	P	S01	
26	U069	100	P	S01	
26	U070	165	P	S01	
26	U071	100	P	S01	
27	U072	100	P	S01	
27	U073	100	P	S01	
27	U074	100	P	S01	
27	U075	381	P	S01	
27	U076	100	P	S01	
27	U077	293	P	S01	
27	U078	100	P	S01	
27	U079	100	P	S01	
27	U080	4,129	P	S01	T04
27	U081	100	P	S01	
28	U082	100	P	S01	
28	U083	100	P	S01	
28	U084	100	P	S01	
28	U085	143	P	S01	
28	U086	100	P	S01	
28	U087	100	P	S01	
28	U088	100	P	S01	
28	U089	100	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50 (continued)					
28	U090	100	P	S01	
28	U091	518	P	S01	
29	U092	143	P	S01	
29	U093	100	P	S01	
29	U094	100	P	S01	
29	U095	100	P	S01	
29	U096	100	P	S01	
29	U097	100	P	S01	
29	U098	100	P	S01	
29	U099	100	P	S01	
29	U101	100	P	S01	
29	U102	100	P	S01	
30	U103	143	P	S01	
30	U105	100	P	S01	
30	U106	100	P	S01	
30	U107	100	P	S01	
30	U108	293	P	S01	
30	U109	143	P	S01	
30	U110	100	P	S01	
30	U111	100	P	S01	
30	U112	293	P	S01	
30	U113	100	P	S01	
31	U114	100	P	S01	
31	U115	293	P	S01	
31	U116	100	P	S01	
31	U117	293	P	S01	
31	U118	100	P	S01	
31	U119	100	P	S01	
31	U120	100	P	S01	
31	U121	293	P	S01	
31	U122	778	P	S01	
31	U123	293	P	S01	
32	U124	143	P	S01	
32	U125	100	P	S01	
32	U126	100	P	S01	
32	U127	100	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50 (continued)					
32	U128	100	P	S01	
32	U129	100	P	S01	
32	U130	100	P	S01	
32	U131	293	P	S01	
32	U132	100	P	S01	
32	U133	293	P	S01	
33	U134	667	P	S01	
33	U135	447	P	S01	
33	U136	143	P	S01	
33	U137	100	P	S01	
33	U138	100	P	S01	
33	U140	293	P	S01	
33	U141	100	P	S01	
33	U142	100	P	S01	
33	U143	100	P	S01	
33	U144	293	P	S01	
34	U145	293	P	S01	
34	U146	100	P	S01	
34	U147	100	P	S01	
34	U148	100	P	S01	
34	U149	100	P	S01	
34	U150	100	P	S01	
34	U151	884	P	S01	
34	U152	100	P	S01	
34	U153	143	P	S01	
34	U154	359	P	S01	
35	U155	100	P	S01	
35	U156	100	P	S01	
35	U157	100	P	S01	
35	U158	100	P	S01	
35	U159	315	P	S01	
35	U160	293	P	S01	
35	U161	470	P	S01	
35	U162	143	P	S01	
35	U163	143	P	S01	
35	U164	100	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50 (continued)					
36	U161	293	P	S01	
36	U166	100	P	S01	
36	U167	143	P	S01	
36	U168	143	P	S01	
36	U169	293	P	S01	
36	U170	143	P	S01	
36	U171	100	P	S01	
36	U172	100	P	S01	
36	U173	100	P	S01	
36	U174	100	P	S01	
37	U176	100	P	S01	
37	U177	100	P	S01	
37	U178	100	P	S01	
37	U179	100	P	S01	
37	U180	100	P	S01	
37	U181	100	P	S01	
37	U182	100	P	S01	
37	U183	100	P	S01	
37	U184	100	P	S01	
37	U185	100	P	S01	
38	U186	100	P	S01	
38	U187	100	P	S01	
38	U188	293	P	S01	
38	U189	100	P	S01	
38	U190	293	P	S01	
38	U191	100	P	S01	
38	U192	100	P	S01	
38	U193	100	P	S01	
38	U194	100	P	S01	
38	U196	293	P	S01	
39	U197	100	P	S01	
39	U200	100	P	S01	
39	U201	100	P	S01	
39	U202	100	P	S01	
39	U203	100	P	S01	
39	U204	293	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50 (continued)					
39	U205	100	P	S01	
39	U206	100	P	S01	
39	U207	100	P	S01	
39	U208	100	P	S01	
40	U209	100	P	S01	
40	U210	513	P	S01	
40	U211	359	P	S01	
40	U213	293	P	S01	
40	U214	100	P	S01	
40	U215	100	P	S01	
40	U216	293	P	S01	
40	U217	100	P	S01	
40	U218	293	P	S01	
40	U219	293	P	S01	
41	U220	491	P	S01	
41	U221	100	P	S01	
41	U222	100	P	S01	
41	U223	143	P	S01	
41	U225	293	P	S01	
41	U226	6,594	P	S01	
41	U227	293	P	S01	
41	U228	1,219	P	S01	
41	U234	100	P	S01	
41	U235	100	P	S01	
42	U236	100	P	S01	
42	U237	100	P	S01	
42	U238	100	P	S01	
42	U239	646	P	S01	
42	U240	143	P	S01	
42	U243	100	P	S01	
42	U244	100	P	S01	
42	U246	231	P	S01	
42	U247	100	P	S01	
42	U248	100	P	S01	
43	U249	100	P	S01	
43	U271	100	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 50 (continued)					
43	U278	100	P	S01	
43	U279	100	P	S01	
43	U280	100	P	S01	
43	U283	100	P	S01	
43	U353	100	P	S01	
43	U359	100	P	S01	
43	U364	100	P	S01	
43	U367	100	P	S01	
44	U372	100	P	S01	
44	U373	100	P	S01	
44	U387	100	P	S01	
44	U389	100	P	S01	
44	U394	100	P	S01	
44	U395	100	P	S01	
44	U404	100	P	S01	
44	U409	100	P	S01	
44	U410	100	P	S01	
44	U411	100	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L					
	1	D001	220,000	P	S01
	2	D002	365,000	P	S01
	3	D003	100,000	P	S01
	4	D004	25,000	P	S01 T04
	5	D005	80,000	P	S01 T04
	6	D006	65,000	P	S01 T04
	7	D007	75,000	P	S01 T04
	8	D008	800,000	P	S01 T04
	9	D009	65,000	P	S01 T04
1	0	D010	30,000	P	S01 T04
1	1	D011	40,000	P	S01 T04
1	2	D012	12,000	P	S01
1	3	D013	4,000	P	S01
1	4	D014	4,000	P	S01
1	5	D015	7,000	P	S01
1	6	D016	4,000	P	S01
1	7	D017	4,000	P	S01
1	8	D018	20,000	P	S01 T04
1	9	D019	20,000	P	S01 T04
2	0	D020	30,000	P	S01 T04
2	1	D021	10,000	P	S01 T04
2	2	D022	23,000	P	S01 T04
2	3	D023	4,000	P	S01 T04
2	4	D024	4,000	P	S01 T04
2	5	D025	4,000	P	S01 T04
2	6	D026	4,000	P	S01 T04
2	7	D027	12,000	P	S01 T04
2	8	D028	30,000	P	S01 T04
2	9	D029	7,000	P	S01 T04
3	0	D030	20,000	P	S01 T04
3	1	D031	12,000	P	S01 T04
3	2	D032	19,000	P	S01 T04
3	3	D033	19,000	P	S01 T04
3	4	D034	19,000	P	S01 T04
3	5	D035	20,000	P	S01 T04
3	6	D036	9,000	P	S01 T04

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L (continued)					
3 7	D 0 3 7	7,000	P	S 0 1 T 0 4	
3 8	D 0 3 8	4,000	P	S 0 1 T 0 4	
3 9	D 0 3 9	10,000	P	S 0 1 T 0 4	
4 0	D 0 4 0	15,000	P	S 0 1 T 0 4	
4 1	D 0 4 1	7,000	P	S 0 1 T 0 4	
4 2	D 0 4 2	12,000	P	S 0 1 T 0 4	
4 3	D 0 4 3	15,000	P	S 0 1 T 0 4	
4 4	F 0 0 1	660,000	P	S 0 1 T 0 4	
4 5	F 0 0 2	350,000	P	S 0 1 T 0 4	
4 6	F 0 0 3	250,000	P	S 0 1	
4 7	F 0 0 4	30,000	P	S 0 1 T 0 4	
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	P	S 0 1	
5 6	F 0 1 9	500	P	S 0 1	
5 7	F 0 2 0	500	P	S 0 1	
5 8	F 0 2 1	500	P	S 0 1	
5 9	F 0 2 2	500	P	S 0 1	
6 0	F 0 2 3	500	P	S 0 1	
6 1	F 0 2 4	500	P	S 0 1	
6 2	F 0 2 5	500	P	S 0 1	
6 3	F 0 2 6	500	P	S 0 1	
6 4	F 0 2 7	4,000	P	S 0 1	
6 5	F 0 2 8	4,000	P	S 0 1	
6 6	F 0 3 2	500	P	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. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L (continued)					
7 3	K 0 4 5	4,000	P	S 0 1	
7 4	K 0 4 6	4,000	P	S 0 1	
7 5	K 0 4 7	4,000	P	S 0 1	
7 6	K 0 8 4	500	P	S 0 1	
7 7	K 1 0 1	500	P	S 0 1	
7 8	K 1 0 2	500	P	S 0 1	
7 9	P 0 0 1	4,000	P	S 0 1	
8 0	P 0 0 2	4,000	P	S 0 1	
8 1	P 0 0 3	4,000	P	S 0 1	
8 2	P 0 0 4	4,000	P	S 0 1	
8 3	P 0 0 5	4,000	P	S 0 1	
8 4	P 0 0 6	4,000	P	S 0 1	
8 5	P 0 0 7	4,000	P	S 0 1	
8 6	P 0 0 8	4,000	P	S 0 1	
8 7	P 0 0 9	4,000	P	S 0 1	
8 8	P 0 1 0	4,000	P	S 0 1	
8 9	P 0 1 1	4,000	P	S 0 1	
9 0	P 0 1 2	4,000	P	S 0 1	
9 1	P 0 1 3	4,000	P	S 0 1	
9 2	P 0 1 4	4,000	P	S 0 1	
9 3	P 0 1 5	4,000	P	S 0 1	
9 4	P 0 1 6	4,000	P	S 0 1	
9 5	P 0 1 7	4,000	P	S 0 1	
9 6	P 0 1 8	4,000	P	S 0 1	
9 7	P 0 2 0	4,000	P	S 0 1	
9 8	P 0 2 1	4,000	P	S 0 1	
9 9	P 0 2 2	4,000	P	S 0 1	
10 0	P 0 2 3	4,000	P	S 0 1	
10 1	P 0 2 4	4,000	P	S 0 1	
10 2	P 0 2 6	4,000	P	S 0 1	
10 3	P 0 2 7	4,000	P	S 0 1	
10 4	P 0 2 8	4,000	P	S 0 1	
10 5	P 0 2 9	4,000	P	S 0 1	
10 6	P 0 3 0	4,000	P	S 0 1	
10 7	P 0 3 1	4,000	P	S 0 1	
10 8	P 0 3 3	4,000	P	S 0 1	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L (continued)					
10	P034	4,000	P	S01	
11	P036	4,000	P	S01	
11	P037	4,000	P	S01	
11	P038	4,000	P	S01	
11	P039	4,000	P	S01	
11	P040	4,000	P	S01	
11	P041	4,000	P	S01	
11	P042	4,000	P	S01	
11	P043	4,000	P	S01	
11	P044	4,000	P	S01	
11	P045	4,000	P	S01	
12	P046	4,000	P	S01	
12	P047	4,000	P	S01	
12	P048	4,000	P	S01	
12	P049	4,000	P	S01	
12	P050	4,000	P	S01	
12	P051	4,000	P	S01	
12	P054	4,000	P	S01	
12	P056	4,000	P	S01	
12	P057	4,000	P	S01	
12	P058	4,000	P	S01	
13	P059	4,000	P	S01	
13	P060	4,000	P	S01	
13	P062	4,000	P	S01	
13	P063	4,000	P	S01	
13	P064	4,000	P	S01	
13	P065	4,000	P	S01	
13	P066	4,000	P	S01	
13	P067	4,000	P	S01	
13	P068	4,000	P	S01	
13	P069	4,000	P	S01	
14	P070	4,000	P	S01	
14	P071	4,000	P	S01	
14	P072	4,000	P	S01	
14	P073	4,000	P	S01	
14	P074	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L (continued)					
14	P075	4,000	P	S01	
14	P076	4,000	P	S01	
14	P077	4,000	P	S01	
14	P078	4,000	P	S01	
14	P081	4,000	P	S01	
15	P082	4,000	P	S01	
15	P084	4,000	P	S01	
15	P085	4,000	P	S01	
15	P087	4,000	P	S01	
15	P088	4,000	P	S01	
15	P089	4,000	P	S01	
15	P092	4,000	P	S01	
15	P093	4,000	P	S01	
15	P094	4,000	P	S01	
15	P095	4,000	P	S01	
16	P096	4,000	P	S01	
16	P097	4,000	P	S01	
16	P098	4,000	P	S01	
16	P099	4,000	P	S01	
16	P101	4,000	P	S01	
16	P102	4,000	P	S01	
16	P103	4,000	P	S01	
16	P104	4,000	P	S01	
16	P105	4,000	P	S01	
16	P106	4,000	P	S01	
17	P108	4,000	P	S01	
17	P109	4,000	P	S01	
17	P110	4,000	P	S01	
17	P111	4,000	P	S01	
17	P112	4,000	P	S01	
17	P113	4,000	P	S01	
17	P114	4,000	P	S01	
17	P115	4,000	P	S01	
17	P116	4,000	P	S01	
17	P117	4,000	P	S01	
17	P118	4,000	P	S01	
17	P119	4,000	P	S01	
18	P120	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L (continued)					
18	P120	4,000	P	S01	
18	P121	4,000	P	S01	
18	P122	4,000	P	S01	
18	P123	4,000	P	S01	
18	P127	4,000	P	S01	
18	P128	4,000	P	S01	
18	P185	4,000	P	S01	
18	P188	4,000	P	S01	
18	P189	4,000	P	S01	
19	P190	4,000	P	S01	
19	P191	4,000	P	S01	
19	P192	4,000	P	S01	
19	P194	4,000	P	S01	
19	P196	4,000	P	S01	
19	P197	4,000	P	S01	
19	P198	4,000	P	S01	
19	P199	4,000	P	S01	
19	P201	4,000	P	S01	
19	P202	4,000	P	S01	
20	P203	4,000	P	S01	
20	P204	4,000	P	S01	
20	P205	4,000	P	S01	
20	U001	4,000	P	S01	
20	U002	4,000	P	S01	
20	U003	4,000	P	S01	
20	U004	4,000	P	S01	
20	U005	4,000	P	S01	
20	U006	4,000	P	S01	
20	U007	4,000	P	S01	
20	U008	4,000	P	S01	
20	U009	4,000	P	S01	
21	U010	4,000	P	S01	
21	U011	4,000	P	S01	
21	U012	4,000	P	S01	
21	U013	4,000	P	S01	
21	U014	4,000	P	S01	
21	U015	4,000	P	S01	
21	U016	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L (continued)					
21	U016	4,000	P	S01	
21	U017	4,000	P	S01	
21	U018	4,000	P	S01	
22	U019	4,000	P	S01	
22	U020	4,000	P	S01	
22	U021	4,000	P	S01	
22	U022	4,000	P	S01	
22	U023	4,000	P	S01	
22	U024	4,000	P	S01	
22	U025	4,000	P	S01	
22	U026	4,000	P	S01	
22	U027	4,000	P	S01	
22	U028	4,000	P	S01	
22	U029	4,000	P	S01	
23	U030	4,000	P	S01	
23	U031	4,000	P	S01	
23	U032	4,000	P	S01	
23	U033	4,000	P	S01	
23	U034	4,000	P	S01	
23	U035	4,000	P	S01	
23	U036	4,000	P	S01	
23	U037	4,000	P	S01	
23	U038	4,000	P	S01	
23	U039	4,000	P	S01	
24	U040	4,000	P	S01	
24	U041	4,000	P	S01	
24	U042	4,000	P	S01	
24	U043	4,000	P	S01	
24	U044	4,000	P	S01	
24	U045	4,000	P	S01	
24	U046	4,000	P	S01	
24	U047	4,000	P	S01	
24	U048	4,000	P	S01	
24	U049	4,000	P	S01	
25	U050	4,000	P	S01	
25	U051	4,000	P	S01	
25	U052	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L (continued)					
25	U053	4,000	P	S01	
25	U054	4,000	P	S01	
25	U055	4,000	P	S01	
25	U056	4,000	P	S01	
25	U057	4,000	P	S01	
25	U058	4,000	P	S01	
25	U059	4,000	P	S01	
26	U060	4,000	P	S01	
26	U061	4,000	P	S01	
26	U062	4,000	P	S01	
26	U063	4,000	P	S01	
26	U064	4,000	P	S01	
26	U065	4,000	P	S01	
26	U066	4,000	P	S01	
26	U067	4,000	P	S01	
26	U068	4,000	P	S01	
26	U069	4,000	P	S01	
27	U070	4,000	P	S01	
27	U071	4,000	P	S01	
27	U072	4,000	P	S01	
27	U073	4,000	P	S01	
27	U074	4,000	P	S01	
27	U075	4,000	P	S01	
27	U076	4,000	P	S01	
27	U077	4,000	P	S01	
27	U078	4,000	P	S01	
27	U079	4,000	P	S01	
28	U080	4,000	P	S01	
28	U081	4,000	P	S01	
28	U082	4,000	P	S01	
28	U083	4,000	P	S01	
28	U084	4,000	P	S01	
28	U085	4,000	P	S01	
28	U086	4,000	P	S01	
28	U087	4,000	P	S01	
28	U088	4,000	P	S01	
28	U089	4,000	P	S01	
28	U090	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L (continued)					
28	U091	4,000	P	S01	
29	U092	4,000	P	S01	
29	U093	4,000	P	S01	
29	U094	4,000	P	S01	
29	U095	4,000	P	S01	
29	U096	4,000	P	S01	
29	U097	4,000	P	S01	
29	U098	4,000	P	S01	
29	U099	4,000	P	S01	
29	U101	4,000	P	S01	
29	U102	4,000	P	S01	
30	U103	4,000	P	S01	
30	U105	4,000	P	S01	
30	U106	4,000	P	S01	
30	U107	4,000	P	S01	
30	U108	4,000	P	S01	
30	U109	4,000	P	S01	
30	U110	4,000	P	S01	
30	U111	4,000	P	S01	
30	U112	4,000	P	S01	
30	U113	4,000	P	S01	
31	U114	4,000	P	S01	
31	U115	4,000	P	S01	
31	U116	4,000	P	S01	
31	U117	4,000	P	S01	
31	U118	4,000	P	S01	
31	U119	4,000	P	S01	
31	U120	4,000	P	S01	
31	U121	4,000	P	S01	
31	U122	4,000	P	S01	
31	U123	4,000	P	S01	
32	U124	4,000	P	S01	
32	U125	4,000	P	S01	
32	U126	4,000	P	S01	
32	U127	4,000	P	S01	
32	U128	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L (continued)					
32	U129	4,000	P	S01	
32	U130	4,000	P	S01	
32	U131	4,000	P	S01	
32	U132	4,000	P	S01	
32	U133	4,000	P	S01	
33	U134	4,000	P	S01	
33	U135	4,000	P	S01	
33	U136	4,000	P	S01	
33	U137	4,000	P	S01	
33	U138	4,000	P	S01	
33	U140	4,000	P	S01	
33	U141	4,000	P	S01	
33	U142	4,000	P	S01	
33	U143	4,000	P	S01	
33	U144	4,000	P	S01	
34	U145	4,000	P	S01	
34	U146	4,000	P	S01	
34	U147	4,000	P	S01	
34	U148	4,000	P	S01	
34	U149	4,000	P	S01	
34	U150	4,000	P	S01	
34	U151	4,000	P	S01	
34	U152	4,000	P	S01	
34	U153	4,000	P	S01	
34	U154	4,000	P	S01	
35	U155	4,000	P	S01	
35	U156	4,000	P	S01	
35	U157	4,000	P	S01	
35	U158	4,000	P	S01	
35	U159	4,000	P	S01	
35	U160	4,000	P	S01	
35	U161	4,000	P	S01	
35	U162	4,000	P	S01	
35	U163	4,000	P	S01	
35	U164	4,000	P	S01	
36	U165	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L (continued)					
36	U166	4,000	P	S01	
36	U167	4,000	P	S01	
36	U168	4,000	P	S01	
36	U169	4,000	P	S01	
36	U170	4,000	P	S01	
36	U171	4,000	P	S01	
36	U172	4,000	P	S01	
36	U173	4,000	P	S01	
36	U174	4,000	P	S01	
37	U176	4,000	P	S01	
37	U177	4,000	P	S01	
37	U178	4,000	P	S01	
37	U179	4,000	P	S01	
37	U180	4,000	P	S01	
37	U181	4,000	P	S01	
37	U182	4,000	P	S01	
37	U183	4,000	P	S01	
37	U184	4,000	P	S01	
37	U185	4,000	P	S01	
38	U186	4,000	P	S01	
38	U187	4,000	P	S01	
38	U188	4,000	P	S01	
38	U189	4,000	P	S01	
38	U190	4,000	P	S01	
38	U191	4,000	P	S01	
38	U192	4,000	P	S01	
38	U193	4,000	P	S01	
38	U194	4,000	P	S01	
38	U196	4,000	P	S01	
39	U197	4,000	P	S01	
39	U200	4,000	P	S01	
39	U201	4,000	P	S01	
39	U202	4,000	P	S01	
39	U203	4,000	P	S01	
39	U204	4,000	P	S01	
39	U205	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L (continued)					
39	U206	4,000	P	S01	
39	U207	4,000	P	S01	
39	U208	4,000	P	S01	
40	U209	4,000	P	S01	
40	U210	4,000	P	S01	
40	U211	4,000	P	S01	
40	U213	4,000	P	S01	
40	U214	4,000	P	S01	
40	U215	4,000	P	S01	
40	U216	4,000	P	S01	
40	U217	4,000	P	S01	
40	U218	4,000	P	S01	
40	U219	4,000	P	S01	
41	U220	7,000	P	S01	
41	U221	4,000	P	S01	
41	U222	4,000	P	S01	
41	U223	4,000	P	S01	
41	U225	4,000	P	S01	
41	U226	7,000	P	S01	
41	U227	4,000	P	S01	
41	U228	7,000	P	S01	
41	U234	4,000	P	S01	
41	U235	4,000	P	S01	
42	U236	4,000	P	S01	
42	U237	4,000	P	S01	
42	U238	4,000	P	S01	
42	U239	7,000	P	S01	
42	U240	4,000	P	S01	
42	U243	4,000	P	S01	
42	U244	4,000	P	S01	
42	U247	4,000	P	S01	
42	U248	4,000	P	S01	
42	U249	4,000	P	S01	
43	U250	4,000	P	S01	
43	U271	4,000	P	S01	
43	U278	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area L (continued)					
43	U279	4,000	P	S01	
44	U280	4,000	P	S01	
45	U283	4,000	P	S01	
46	U353	4,000	P	S01	
47	U359	4,000	P	S01	
48	U364	4,000	P	S01	
49	U367	4,000	P	S01	
50	U372	4,000	P	S01	
51	U373	4,000	P	S01	
52	U387	4,000	P	S01	
53	U389	4,000	P	S01	
54	U394	4,000	P	S01	
55	U395	4,000	P	S01	
56	U404	4,000	P	S01	
57	U409	4,000	P	S01	
58	U410	4,000	P	S01	
59	U411	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Material Disposal Area L (Impoundments B and D/ Shafts 1, 13-17, and 19-34)					
1	D001	82,000	P	D80	
2	D002	17,200	P	D80	
3	D003	750	P	D80	
4	D004	1,700	P	D80	
5	D006	650	P	D80	
6	D007	1,000	P	D80	
7	D008	1,250	P	D80	
8	D009	2,200	P	D80	
9	D011	100	P	D80	
10	D016	600	P	D80	
11	F002	1,400	P	D80	
12	P015	4,000	P	D80	
13	P087	15	P	D80	
14	U002	5,000	P	D80	
15	U019	200	P	D80	
16	U069	500	P	D80	
17	U080	2,000	P	D80	
18	U122	550	P	D80	
19	U151	35	P	D80	
20	U154	550	P	D80	
21	U159	300	P	D80	
22	U161	500	P	D80	
23	U165	140	P	D80	
24	U220	620	P	D80	
25	U226	10,000	P	D80	
26	U228	4,400	P	D80	
27	U239	345	P	D80	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G					
	1	D001	330,000	P	S01
	2	D002	395,000	P	S01
	3	D003	185,000	P	S01
	4	D004	2,525,000	P	S01 T04
	5	D005	82,000	P	S01 T04
	6	D006	515,000	P	S01 T04
	7	D007	3,775,000	P	S01 T04
	8	D008	5,400,000	P	S01 T04
	9	D009	100,000	P	S01 T04
1	0	D010	45,000	P	S01 T04
1	1	D011	2,540,000	P	S01 T04
1	2	D012	18,000	P	S01
1	3	D013	4,000	P	S01
1	4	D014	4,000	P	S01
1	5	D015	7,000	P	S01
1	6	D016	4,000	P	S01
1	7	D017	4,000	P	S01
1	8	D018	30,000	P	S01 T04
1	9	D019	25,000	P	S01 T04
2	0	D020	30,000	P	S01 T04
2	1	D021	15,000	P	S01 T04
2	2	D022	33,000	P	S01 T04
2	3	D023	4,000	P	S01 T04
2	4	D024	4,000	P	S01 T04
2	5	D025	4,000	P	S01 T04
2	6	D026	4,000	P	S01 T04
2	7	D027	22,000	P	S01 T04
2	8	D028	40,000	P	S01 T04
2	9	D029	7,000	P	S01 T04
3	0	D030	30,000	P	S01 T04
3	1	D031	22,000	P	S01 T04
3	2	D032	29,000	P	S01 T04
3	3	D033	29,000	P	S01 T04
3	4	D034	29,000	P	S01 T04
3	5	D035	30,000	P	S01 T04
3	6	D036	19,000	P	S01 T04

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G (continued)					
3 7	D 0 3 7	7,000	P	S 0 1 T 0 4	
3 8	D 0 3 8	14,000	P	S 0 1 T 0 4	
3 9	D 0 3 9	20,000	P	S 0 1 T 0 4	
4 0	D 0 4 0	25,000	P	S 0 1 T 0 4	
4 1	D 0 4 1	17,000	P	S 0 1 T 0 4	
4 2	D 0 4 2	22,000	P	S 0 1 T 0 4	
4 3	D 0 4 3	25,000	P	S 0 1 T 0 4	
4 4	F 0 0 1	6,410,000	P	S 0 1 T 0 4	
4 5	F 0 0 2	3,450,000	P	S 0 1 T 0 4	
4 6	F 0 0 3	2,850,000	P	S 0 1	
4 7	F 0 0 4	35,000	P	S 0 1 T 0 4	
4 8	F 0 0 5	3,250,000	P	S 0 1	
4 9	F 0 0 6	7,000	P	S 0 1	
5 0	F 0 0 7	18,000	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	P	S 0 1	
5 6	F 0 1 9	4,000	P	S 0 1	
5 7	F 0 2 0	4,000	P	S 0 1	
5 8	F 0 2 1	4,000	P	S 0 1	
5 9	F 0 2 2	4,000	P	S 0 1	
6 0	F 0 2 3	4,000	P	S 0 1	
6 1	F 0 2 4	4,000	P	S 0 1	
6 2	F 0 2 5	4,000	P	S 0 1	
6 3	F 0 2 6	4,000	P	S 0 1	
6 4	F 0 2 7	4,000	P	S 0 1	
6 5	F 0 2 8	4,000	P	S 0 1	
6 6	F 0 3 2	4,000	P	S 0 1	
6 7	F 0 3 4	4,000	P	S 0 1	
6 8	F 0 3 5	4,000	P	S 0 1	
6 9	F 0 3 7	4,000	P	S 0 1	
7 0	F 0 3 8	4,000	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. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G (continued)					
7 3	K 0 4 5	4,000	P	S 0 1	
7 4	K 0 4 6	4,000	P	S 0 1	
7 5	K 0 4 7	4,000	P	S 0 1	
7 6	K 0 8 4	500	P	S 0 1	
7 7	K 1 0 1	500	P	S 0 1	
7 8	K 1 0 2	500	P	S 0 1	
7 9	P 0 0 1	4,000	P	S 0 1	
8 0	P 0 0 2	4,000	P	S 0 1	
8 1	P 0 0 3	4,100	P	S 0 1	
8 2	P 0 0 4	4,000	P	S 0 1	
8 3	P 0 0 5	4,000	P	S 0 1	
8 4	P 0 0 6	4,000	P	S 0 1	
8 5	P 0 0 7	4,000	P	S 0 1	
8 6	P 0 0 8	4,000	P	S 0 1	
8 7	P 0 0 9	4,000	P	S 0 1	
8 8	P 0 1 0	4,000	P	S 0 1	
8 9	P 0 1 1	4,000	P	S 0 1	
9 0	P 0 1 2	4,100	P	S 0 1	
9 1	P 0 1 3	4,000	P	S 0 1	
9 2	P 0 1 4	4,000	P	S 0 1	
9 3	P 0 1 5	4,100	P	S 0 1	
9 4	P 0 1 6	4,000	P	S 0 1	
9 5	P 0 1 7	4,000	P	S 0 1	
9 6	P 0 1 8	4,000	P	S 0 1	
9 7	P 0 2 0	4,000	P	S 0 1	
9 8	P 0 2 1	4,000	P	S 0 1	
9 9	P 0 2 2	4,000	P	S 0 1	
10 0	P 0 2 3	4,000	P	S 0 1	
10 1	P 0 2 4	4,000	P	S 0 1	
10 2	P 0 2 6	4,000	P	S 0 1	
10 3	P 0 2 7	4,000	P	S 0 1	
10 4	P 0 2 8	4,000	P	S 0 1	
10 5	P 0 2 9	4,100	P	S 0 1	
10 6	P 0 3 0	4,100	P	S 0 1	
10 7	P 0 3 1	4,100	P	S 0 1	
10 8	P 0 3 3	4,000	P	S 0 1	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G (continued)					
10	P035	4,000	P	S01	
11	P036	4,000	P	S01	
11	P037	4,000	P	S01	
11	P038	4,100	P	S01	
11	P039	4,000	P	S01	
11	P040	4,000	P	S01	
11	P041	4,000	P	S01	
11	P042	4,000	P	S01	
11	P043	4,000	P	S01	
11	P044	4,000	P	S01	
11	P045	4,000	P	S01	
12	P046	4,000	P	S01	
12	P047	4,000	P	S01	
12	P048	4,000	P	S01	
12	P049	4,000	P	S01	
12	P050	4,000	P	S01	
12	P051	4,000	P	S01	
12	P054	4,000	P	S01	
12	P056	4,100	P	S01	
12	P057	4,000	P	S01	
12	P058	4,000	P	S01	
13	P059	4,000	P	S01	
13	P060	4,000	P	S01	
13	P062	4,000	P	S01	
13	P063	4,100	P	S01	
13	P064	4,000	P	S01	
13	P065	4,000	P	S01	
13	P066	4,000	P	S01	
13	P067	4,000	P	S01	
13	P068	4,100	P	S01	
13	P069	4,000	P	S01	
14	P070	4,000	P	S01	
14	P071	4,000	P	S01	
14	P072	4,000	P	S01	
14	P073	4,100	P	S01	
14	P074	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G (continued)					
14	P075	4,000	P	S01	
14	P076	4,000	P	S01	
14	P077	4,000	P	S01	
14	P078	4,000	P	S01	
14	P081	4,000	P	S01	
15	P082	4,000	P	S01	
15	P084	4,000	P	S01	
15	P085	4,000	P	S01	
15	P087	4,000	P	S01	
15	P088	4,000	P	S01	
15	P089	4,000	P	S01	
15	P092	4,000	P	S01	
15	P093	4,000	P	S01	
15	P094	4,000	P	S01	
15	P095	4,100	P	S01	
16	P096	4,100	P	S01	
16	P097	4,000	P	S01	
16	P098	4,100	P	S01	
16	P099	4,000	P	S01	
16	P101	4,000	P	S01	
16	P102	4,000	P	S01	
16	P103	4,000	P	S01	
16	P104	4,000	P	S01	
16	P105	4,000	P	S01	
16	P106	4,100	P	S01	
17	P108	4,000	P	S01	
17	P109	4,000	P	S01	
17	P110	4,000	P	S01	
17	P111	4,000	P	S01	
17	P112	4,000	P	S01	
17	P113	4,000	P	S01	
17	P114	4,000	P	S01	
17	P115	4,000	P	S01	
17	P116	4,000	P	S01	
17	P117	4,000	P	S01	
17	P118	4,000	P	S01	
17	P119	4,000	P	S01	
18	P120	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G (continued)					
18	P120	4,100	P	S01	
18	P121	4,000	P	S01	
18	P122	4,000	P	S01	
18	P123	4,000	P	S01	
18	P127	4,000	P	S01	
18	P128	4,000	P	S01	
18	P185	4,000	P	S01	
18	P188	4,000	P	S01	
18	P189	4,000	P	S01	
19	P190	4,000	P	S01	
19	P191	4,000	P	S01	
19	P192	4,000	P	S01	
19	P193	4,000	P	S01	
19	P194	4,000	P	S01	
19	P195	4,000	P	S01	
19	P196	4,000	P	S01	
19	P197	4,000	P	S01	
19	P201	4,000	P	S01	
19	P202	4,000	P	S01	
20	P203	4,000	P	S01	
20	P204	4,000	P	S01	
20	P205	4,000	P	S01	
20	U001	4,100	P	S01	
20	U002	7,100	P	S01	
20	U003	4,100	P	S01	
20	U004	4,000	P	S01	
20	U005	4,000	P	S01	
20	U006	4,000	P	S01	
20	U007	4,000	P	S01	
20	U008	4,000	P	S01	
21	U009	4,000	P	S01	
21	U010	4,000	P	S01	
21	U012	4,000	P	S01	
21	U013	4,000	P	S01	
21	U014	4,100	P	S01	
21	U015	4,000	P	S01	
21	U016	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G (continued)					
21	U016	4,000	P	S01	
21	U017	4,000	P	S01	
21	U018	4,000	P	S01	
22	U019	4,100	P	S01	
22	U020	4,000	P	S01	
22	U021	4,000	P	S01	
22	U022	4,100	P	S01	
22	U023	4,000	P	S01	
22	U024	4,000	P	S01	
22	U025	4,000	P	S01	
22	U026	4,000	P	S01	
22	U027	4,000	P	S01	
22	U028	4,000	P	S01	
22	U029	4,000	P	S01	
23	U030	4,100	P	S01	
23	U031	4,000	P	S01	
23	U032	4,100	P	S01	
23	U033	4,000	P	S01	
23	U034	4,000	P	S01	
23	U035	4,000	P	S01	
23	U036	4,000	P	S01	
23	U037	4,000	P	S01	
23	U038	4,100	P	S01	
23	U039	4,000	P	S01	
24	U039	4,000	P	S01	
24	U041	4,000	P	S01	
24	U042	4,000	P	S01	
24	U043	4,000	P	S01	
24	U044	4,100	P	S01	
24	U045	4,100	P	S01	
24	U046	4,000	P	S01	
24	U047	4,000	P	S01	
24	U048	4,000	P	S01	
24	U049	4,000	P	S01	
25	U050	4,000	P	S01	
25	U051	4,000	P	S01	
25	U052	4,100	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G (continued)					
25	U053	4,000	P	S01	
25	U054	4,000	P	S01	
25	U055	4,100	P	S01	
25	U056	4,100	P	S01	
25	U057	4,000	P	S01	
25	U058	4,000	P	S01	
25	U059	4,000	P	S01	
26	U060	4,000	P	S01	
26	U061	4,000	P	S01	
26	U062	4,000	P	S01	
26	U063	4,000	P	S01	
26	U064	4,000	P	S01	
26	U065	4,000	P	S01	
26	U066	4,000	P	S01	
26	U067	4,000	P	S01	
26	U068	4,000	P	S01	
26	U069	4,000	P	S01	
26	U070	4,000	P	S01	
26	U071	4,000	P	S01	
27	U072	4,000	P	S01	
27	U073	4,000	P	S01	
27	U074	4,000	P	S01	
27	U075	4,100	P	S01	
27	U076	4,000	P	S01	
27	U077	4,100	P	S01	
27	U078	4,000	P	S01	
27	U079	4,000	P	S01	
27	U080	12,000	P	S01	
27	U081	4,000	P	S01	
28	U082	4,000	P	S01	
28	U083	4,000	P	S01	
28	U084	4,000	P	S01	
28	U085	4,000	P	S01	
28	U086	4,000	P	S01	
28	U087	4,000	P	S01	
28	U088	4,000	P	S01	
28	U089	4,000	P	S01	
28	U090	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G (continued)					
28	U091	4,000	P	S01	
29	U092	4,000	P	S01	
29	U093	4,000	P	S01	
29	U094	4,000	P	S01	
29	U095	4,000	P	S01	
29	U096	4,000	P	S01	
29	U097	4,000	P	S01	
29	U098	4,000	P	S01	
29	U099	4,000	P	S01	
29	U101	4,000	P	S01	
29	U102	4,000	P	S01	
30	U103	4,000	P	S01	
30	U105	4,000	P	S01	
30	U106	4,000	P	S01	
30	U107	4,000	P	S01	
30	U108	4,100	P	S01	
30	U109	4,000	P	S01	
30	U110	4,000	P	S01	
30	U111	4,000	P	S01	
30	U112	4,100	P	S01	
30	U113	4,000	P	S01	
31	U114	4,000	P	S01	
31	U115	4,100	P	S01	
31	U116	4,000	P	S01	
31	U117	4,100	P	S01	
31	U118	4,000	P	S01	
31	U119	4,000	P	S01	
31	U120	4,000	P	S01	
31	U121	4,100	P	S01	
31	U122	7,100	P	S01	
31	U123	4,100	P	S01	
32	U124	4,000	P	S01	
32	U125	4,000	P	S01	
32	U126	4,000	P	S01	
32	U127	4,000	P	S01	
32	U128	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G (continued)					
32	U129	4,000	P	S01	
32	U130	4,000	P	S01	
32	U131	4,100	P	S01	
32	U132	4,000	P	S01	
32	U133	4,100	P	S01	
33	U134	12,100	P	S01	
33	U135	4,100	P	S01	
33	U136	4,000	P	S01	
33	U137	4,000	P	S01	
33	U138	4,000	P	S01	
33	U140	4,100	P	S01	
33	U141	4,000	P	S01	
33	U142	4,000	P	S01	
33	U143	4,000	P	S01	
33	U144	4,100	P	S01	
34	U145	4,000	P	S01	
34	U146	4,000	P	S01	
34	U147	4,000	P	S01	
34	U148	4,000	P	S01	
34	U149	4,000	P	S01	
34	U150	4,000	P	S01	
34	U151	7,100	P	S01	
34	U152	4,000	P	S01	
34	U153	4,000	P	S01	
34	U154	4,100	P	S01	
35	U155	4,000	P	S01	
35	U156	4,000	P	S01	
35	U157	4,000	P	S01	
35	U158	4,000	P	S01	
35	U159	4,100	P	S01	
35	U160	4,100	P	S01	
35	U161	4,100	P	S01	
35	U162	4,000	P	S01	
35	U163	4,000	P	S01	
35	U164	4,000	P	S01	
36	U165	4,100	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G (continued)					
36	U166	4,000	P	S01	
36	U167	4,000	P	S01	
36	U168	4,000	P	S01	
36	U169	4,100	P	S01	
36	U170	4,000	P	S01	
36	U171	4,000	P	S01	
36	U172	4,000	P	S01	
36	U173	4,000	P	S01	
36	U174	4,000	P	S01	
37	U176	4,000	P	S01	
37	U177	4,000	P	S01	
37	U178	4,000	P	S01	
37	U179	4,000	P	S01	
37	U180	4,000	P	S01	
37	U181	4,000	P	S01	
37	U182	4,000	P	S01	
37	U183	4,000	P	S01	
37	U184	4,000	P	S01	
37	U185	4,000	P	S01	
38	U186	4,000	P	S01	
38	U187	4,000	P	S01	
38	U188	4,100	P	S01	
38	U189	4,000	P	S01	
38	U190	4,100	P	S01	
38	U191	4,000	P	S01	
38	U192	4,000	P	S01	
38	U193	4,000	P	S01	
38	U194	4,000	P	S01	
38	U196	4,100	P	S01	
39	U197	4,000	P	S01	
39	U200	4,000	P	S01	
39	U201	4,000	P	S01	
39	U202	4,000	P	S01	
39	U203	4,000	P	S01	
39	U204	4,100	P	S01	
39	U205	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G (continued)					
39	U206	4,000	P	S01	
39	U207	4,000	P	S01	
39	U208	4,000	P	S01	
40	U209	4,000	P	S01	
40	U210	4,100	P	S01	
40	U211	4,100	P	S01	
40	U213	4,100	P	S01	
40	U214	4,000	P	S01	
40	U215	4,000	P	S01	
40	U216	4,100	P	S01	
40	U217	4,000	P	S01	
40	U218	4,100	P	S01	
40	U219	4,100	P	S01	
41	U220	7,100	P	S01	
41	U221	4,000	P	S01	
41	U222	4,000	P	S01	
41	U223	4,000	P	S01	
41	U225	4,100	P	S01	
41	U226	7,100	P	S01	
41	U227	4,100	P	S01	
41	U228	7,100	P	S01	
41	U234	4,000	P	S01	
41	U235	4,000	P	S01	
42	U236	4,000	P	S01	
42	U237	4,000	P	S01	
42	U238	4,000	P	S01	
42	U239	7,100	P	S01	
42	U240	4,000	P	S01	
42	U243	4,000	P	S01	
42	U244	4,000	P	S01	
42	U247	4,100	P	S01	
42	U248	4,000	P	S01	
42	U249	4,000	P	S01	
43	U250	4,000	P	S01	
43	U271	4,000	P	S01	
43	U278	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Area G (continued)					
43	U279	4,000	P	S01	
44	U280	4,000	P	S01	
45	U328	4,000	P	S01	
46	U353	4,000	P	S01	
47	U359	4,000	P	S01	
48	U364	4,000	P	S01	
49	U367	4,000	P	S01	
50	U372	4,000	P	S01	
51	U373	4,000	P	S01	
52	U387	4,000	P	S01	
53	U389	4,000	P	S01	
54	U394	4,000	P	S01	
55	U395	4,000	P	S01	
56	U404	4,000	P	S01	
57	U409	4,000	P	S01	
58	U410	4,000	P	S01	
59	U411	4,000	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Material Disposal Area G (Shaft 124 and Pit 29)					
1	D004	850	P	D80	
2	D005	2,100	P	D80	
3	D006	4,250	P	D80	
4	D007	4,450	P	D80	
5	D008	507,100	P	D80	
6	D009	850	P	D80	
7	D010	15	P	D80	
8	D011	530	P	D80	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West					
1	D001	74,252	P	S01	
2	D002	38,448	P	S01	
3	D003	3,528	P	S01	
4	D004	24,692	P	S01 T04	
5	D005	22,576	P	S01 T04	
6	D006	3,627,220	P	S01 T04	
7	D007	3,784,544	P	S01 T04	
8	D008	8,589,208	P	S01 T04	
9	D009	261,732	P	S01 T04	
10	D010	27,160	P	S01 T04	
11	D011	30,336	P	S01 T04	
12	D012	36,000	P	S01	
13	D013	8,000	P	S01	
14	D014	8,000	P	S01	
15	D015	14,000	P	S01	
16	D016	8,000	P	S01	
17	D017	8,000	P	S01	
18	D018	1,412	P	S01 T04	
19	D019	28,220	P	S01 T04	
20	D020	60,000	P	S01 T04	
21	D021	4,880	P	S01 T04	
22	D022	6,704	P	S01 T04	
23	D023	8,000	P	S01 T04	
24	D024	8,000	P	S01 T04	
25	D025	8,000	P	S01 T04	
26	D026	8,000	P	S01 T04	
27	D027	4,056	P	S01 T04	
28	D028	1,158,400	P	S01 T04	
29	D029	1,152,576	P	S01 T04	
30	D030	26,100	P	S01 T04	
31	D031	352	P	S01 T04	
32	D032	16,580	P	S01 T04	
33	D033	11,112	P	S01 T04	
34	D034	5,820	P	S01 T04	
35	D035	528	P	S01 T04	
36	D036	1,764	P	S01 T04	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West (continued)					
3 7	D 0 3 7	2,820	P	S 0 1 T 0 4	
3 8	D 0 3 8	352	P	S 0 1 T 0 4	
3 9	D 0 3 9	7,760	P	S 0 1 T 0 4	
4 0	D 0 4 0	17,460	P	S 0 1 T 0 4	
4 1	D 0 4 1	352	P	S 0 1 T 0 4	
4 2	D 0 4 2	5,644	P	S 0 1 T 0 4	
4 3	D 0 4 3	2,116	P	S 0 1 T 0 4	
4 4	F 0 0 1	2,225,608	P	S 0 1 T 0 4	
4 5	F 0 0 2	288,012	P	S 0 1 T 0 4	
4 6	F 0 0 3	137,856	P	S 0 1	
4 7	F 0 0 4	8,640	P	S 0 1 T 0 4	
4 8	F 0 0 5	1,296,844	P	S 0 1	
4 9	F 0 0 6	14,000	P	S 0 1	
5 0	F 0 0 7	36,000	P	S 0 1	
5 1	F 0 0 8	14,000	P	S 0 1	
5 2	F 0 0 9	8,000	P	S 0 1	
5 3	F 0 1 0	8,000	P	S 0 1	
5 4	F 0 1 1	8,000	P	S 0 1	
5 5	F 0 1 2	8,000	P	S 0 1	
5 6	F 0 1 9	8,000	P	S 0 1	
5 7	F 0 2 0	8,000	P	S 0 1	
5 8	F 0 2 1	8,000	P	S 0 1	
5 9	F 0 2 2	8,000	P	S 0 1	
6 0	F 0 2 3	8,000	P	S 0 1	
6 1	F 0 2 4	8,000	P	S 0 1	
6 2	F 0 2 5	8,000	P	S 0 1	
6 3	F 0 2 6	8,000	P	S 0 1	
6 4	F 0 2 7	8,000	P	S 0 1	
6 5	F 0 2 8	8,000	P	S 0 1	
6 6	F 0 3 2	8,000	P	S 0 1	
6 7	F 0 3 4	8,000	P	S 0 1	
6 8	F 0 3 5	8,000	P	S 0 1	
6 9	F 0 3 7	8,000	P	S 0 1	
7 0	F 0 3 8	8,000	P	S 0 1	
7 1	F 0 3 9	8,000	P	S 0 1	
7 2	K 0 4 4	4,000	P	S 0 1	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West (continued)					
7 3	K 0 4 5	8,000	P	S 0 1	
7 4	K 0 4 6	8,000	P	S 0 1	
7 5	K 0 4 7	8,000	P	S 0 1	
7 6	K 0 8 4	1,000	P	S 0 1	
7 7	K 1 0 1	1,000	P	S 0 1	
7 8	K 1 0 2	1,000	P	S 0 1	
7 9	P 0 0 1	176	P	S 0 1	
8 0	P 0 0 2	176	P	S 0 1	
8 1	P 0 0 3	176	P	S 0 1	
8 2	P 0 0 4	176	P	S 0 1	
8 3	P 0 0 5	176	P	S 0 1	
8 4	P 0 0 6	176	P	S 0 1	
8 5	P 0 0 7	176	P	S 0 1	
8 6	P 0 0 8	176	P	S 0 1	
8 7	P 0 0 9	176	P	S 0 1	
8 8	P 0 1 0	176	P	S 0 1	
8 9	P 0 1 1	176	P	S 0 1	
9 0	P 0 1 2	176	P	S 0 1	
9 1	P 0 1 3	176	P	S 0 1	
9 2	P 0 1 4	176	P	S 0 1	
9 3	P 0 1 5	176	P	S 0 1	
9 4	P 0 1 6	176	P	S 0 1	
9 5	P 0 1 7	176	P	S 0 1	
9 6	P 0 1 8	176	P	S 0 1	
9 7	P 0 2 0	176	P	S 0 1	
9 8	P 0 2 1	176	P	S 0 1	
9 9	P 0 2 2	176	P	S 0 1	
10 0	P 0 2 3	176	P	S 0 1	
10 1	P 0 2 4	176	P	S 0 1	
10 2	P 0 2 6	176	P	S 0 1	
10 3	P 0 2 7	176	P	S 0 1	
10 4	P 0 2 8	176	P	S 0 1	
10 5	P 0 2 9	176	P	S 0 1	
10 6	P 0 3 0	176	P	S 0 1	
10 7	P 0 3 1	176	P	S 0 1	
10 8	P 0 3 3	176	P	S 0 1	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West (continued)					
10	P034	176	P	S01	
11	P036	176	P	S01	
11	P037	176	P	S01	
11	P038	176	P	S01	
11	P039	176	P	S01	
11	P040	176	P	S01	
11	P041	176	P	S01	
11	P042	176	P	S01	
11	P043	176	P	S01	
11	P044	176	P	S01	
11	P045	176	P	S01	
12	P046	176	P	S01	
12	P047	176	P	S01	
12	P048	176	P	S01	
12	P049	176	P	S01	
12	P050	176	P	S01	
12	P051	176	P	S01	
12	P054	176	P	S01	
12	P056	176	P	S01	
12	P057	176	P	S01	
12	P058	176	P	S01	
13	P059	176	P	S01	
13	P060	176	P	S01	
13	P062	176	P	S01	
13	P063	176	P	S01	
13	P064	176	P	S01	
13	P065	176	P	S01	
13	P066	176	P	S01	
13	P067	176	P	S01	
13	P068	176	P	S01	
13	P069	176	P	S01	
14	P070	176	P	S01	
14	P071	176	P	S01	
14	P072	176	P	S01	
14	P073	176	P	S01	
14	P074	176	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West (continued)					
145	P075	176	P	S01	
146	P076	176	P	S01	
147	P077	176	P	S01	
148	P078	176	P	S01	
149	P081	176	P	S01	
150	P082	176	P	S01	
151	P084	176	P	S01	
152	P085	176	P	S01	
153	P087	176	P	S01	
154	P088	176	P	S01	
155	P089	176	P	S01	
156	P092	176	P	S01	
157	P093	176	P	S01	
158	P094	176	P	S01	
159	P095	176	P	S01	
160	P096	176	P	S01	
161	P097	176	P	S01	
162	P098	176	P	S01	
163	P099	176	P	S01	
164	P101	176	P	S01	
165	P102	176	P	S01	
166	P103	176	P	S01	
167	P104	176	P	S01	
168	P105	176	P	S01	
169	P106	176	P	S01	
170	P108	176	P	S01	
171	P109	176	P	S01	
172	P110	176	P	S01	
173	P111	176	P	S01	
174	P112	176	P	S01	
175	P113	176	P	S01	
176	P114	176	P	S01	
177	P115	176	P	S01	
178	P116	176	P	S01	
179	P118	176	P	S01	
180	P119	176	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West (continued)					
18	P120	176	P	S01	
18	P121	176	P	S01	
18	P122	176	P	S01	
18	P123	176	P	S01	
18	P127	176	P	S01	
18	P128	176	P	S01	
18	P185	176	P	S01	
18	P188	176	P	S01	
18	P189	176	P	S01	
19	P190	176	P	S01	
19	P191	176	P	S01	
19	P192	176	P	S01	
19	P194	176	P	S01	
19	P196	176	P	S01	
19	P197	176	P	S01	
19	P198	176	P	S01	
19	P199	176	P	S01	
19	P201	176	P	S01	
19	P202	176	P	S01	
20	P203	176	P	S01	
20	P204	176	P	S01	
20	P205	176	P	S01	
20	U001	176	P	S01	
20	U002	176	P	S01	
20	U003	176	P	S01	
20	U004	176	P	S01	
20	U005	176	P	S01	
20	U006	176	P	S01	
20	U007	176	P	S01	
20	U008	176	P	S01	
20	U009	176	P	S01	
21	U010	176	P	S01	
21	U011	176	P	S01	
21	U012	176	P	S01	
21	U013	176	P	S01	
21	U014	176	P	S01	
21	U015	176	P	S01	
21	U016	176	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West (continued)					
21	U016	176	P	S01	
21	U017	176	P	S01	
21	U018	176	P	S01	
22	U019	176	P	S01	
22	U020	176	P	S01	
22	U021	176	P	S01	
22	U022	176	P	S01	
22	U023	176	P	S01	
22	U024	176	P	S01	
22	U025	176	P	S01	
22	U026	176	P	S01	
22	U027	176	P	S01	
22	U028	176	P	S01	
23	U029	176	P	S01	
23	U030	176	P	S01	
23	U031	176	P	S01	
23	U032	176	P	S01	
23	U033	176	P	S01	
23	U034	176	P	S01	
23	U035	176	P	S01	
23	U036	176	P	S01	
23	U037	176	P	S01	
23	U038	176	P	S01	
23	U039	176	P	S01	
24	U040	176	P	S01	
24	U041	176	P	S01	
24	U042	176	P	S01	
24	U043	176	P	S01	
24	U044	176	P	S01	
24	U045	176	P	S01	
24	U046	176	P	S01	
24	U047	176	P	S01	
24	U048	176	P	S01	
24	U049	176	P	S01	
25	U050	176	P	S01	
25	U051	176	P	S01	
25	U052	176	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West (continued)					
25	U053	176	P	S01	
25	U054	176	P	S01	
25	U055	176	P	S01	
25	U056	176	P	S01	
25	U057	176	P	S01	
25	U058	176	P	S01	
25	U059	176	P	S01	
26	U060	176	P	S01	
26	U061	176	P	S01	
26	U062	176	P	S01	
26	U063	176	P	S01	
26	U064	176	P	S01	
26	U065	176	P	S01	
26	U066	176	P	S01	
26	U067	176	P	S01	
26	U068	176	P	S01	
26	U069	176	P	S01	
27	U070	176	P	S01	
27	U071	176	P	S01	
27	U072	176	P	S01	
27	U073	176	P	S01	
27	U074	176	P	S01	
27	U075	176	P	S01	
27	U076	176	P	S01	
27	U077	176	P	S01	
27	U078	528	P	S01	
27	U079	176	P	S01	
28	U080	176	P	S01	
28	U081	176	P	S01	
28	U082	176	P	S01	
28	U083	176	P	S01	
28	U084	176	P	S01	
28	U085	176	P	S01	
28	U086	176	P	S01	
28	U087	176	P	S01	
28	U088	176	P	S01	
28	U090	176	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West (continued)					
28	U091	176	P	S01	
29	U092	176	P	S01	
29	U093	176	P	S01	
29	U094	176	P	S01	
29	U095	176	P	S01	
29	U096	176	P	S01	
29	U097	176	P	S01	
29	U098	176	P	S01	
29	U099	176	P	S01	
29	U101	176	P	S01	
29	U102	176	P	S01	
30	U103	176	P	S01	
30	U105	176	P	S01	
30	U106	176	P	S01	
30	U107	176	P	S01	
30	U108	176	P	S01	
30	U109	176	P	S01	
30	U110	176	P	S01	
30	U111	176	P	S01	
30	U112	176	P	S01	
30	U113	176	P	S01	
31	U114	176	P	S01	
31	U115	176	P	S01	
31	U116	176	P	S01	
31	U117	176	P	S01	
31	U118	176	P	S01	
31	U119	176	P	S01	
31	U120	176	P	S01	
31	U121	176	P	S01	
31	U122	176	P	S01	
31	U123	176	P	S01	
32	U124	176	P	S01	
32	U125	176	P	S01	
32	U126	176	P	S01	
32	U127	176	P	S01	
32	U128	176	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West (continued)					
32	U129	176	P	S01	
32	U130	176	P	S01	
32	U131	176	P	S01	
32	U132	176	P	S01	
32	U133	176	P	S01	
33	U134	176	P	S01	
33	U135	176	P	S01	
33	U136	176	P	S01	
33	U137	176	P	S01	
33	U138	176	P	S01	
33	U140	176	P	S01	
33	U141	176	P	S01	
33	U142	176	P	S01	
33	U143	176	P	S01	
34	U144	176	P	S01	
34	U145	176	P	S01	
34	U147	176	P	S01	
34	U148	176	P	S01	
34	U149	176	P	S01	
34	U150	176	P	S01	
34	U151	1,060	P	S01	
34	U152	176	P	S01	
34	U153	176	P	S01	
34	U154	176	P	S01	
35	U155	176	P	S01	
35	U156	176	P	S01	
35	U157	176	P	S01	
35	U158	176	P	S01	
35	U159	528	P	S01	
35	U160	176	P	S01	
35	U161	176	P	S01	
35	U162	176	P	S01	
35	U163	176	P	S01	
35	U164	176	P	S01	
36	U165	176	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West (continued)					
36	U166	176	P	S01	
36	U167	176	P	S01	
36	U168	176	P	S01	
36	U169	176	P	S01	
36	U170	176	P	S01	
36	U171	176	P	S01	
36	U172	176	P	S01	
36	U173	176	P	S01	
36	U174	176	P	S01	
37	U176	176	P	S01	
37	U177	176	P	S01	
37	U178	176	P	S01	
37	U179	176	P	S01	
37	U180	176	P	S01	
37	U181	176	P	S01	
37	U182	176	P	S01	
37	U183	176	P	S01	
37	U184	176	P	S01	
37	U185	176	P	S01	
38	U186	176	P	S01	
38	U187	176	P	S01	
38	U188	176	P	S01	
38	U189	176	P	S01	
38	U190	176	P	S01	
38	U191	176	P	S01	
38	U192	176	P	S01	
38	U193	176	P	S01	
38	U194	176	P	S01	
38	U196	176	P	S01	
39	U197	176	P	S01	
39	U200	176	P	S01	
39	U201	176	P	S01	
39	U202	176	P	S01	
39	U203	176	P	S01	
39	U204	176	P	S01	
39	U205	176	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West (continued)					
39	U206	176	P	S01	
39	U207	176	P	S01	
39	U208	176	P	S01	
40	U209	176	P	S01	
40	U210	176	P	S01	
40	U211	176	P	S01	
40	U213	176	P	S01	
40	U214	176	P	S01	
40	U215	176	P	S01	
40	U216	176	P	S01	
40	U217	176	P	S01	
40	U218	176	P	S01	
40	U219	176	P	S01	
41	U220	176	P	S01	
41	U221	176	P	S01	
41	U222	176	P	S01	
41	U223	176	P	S01	
41	U225	176	P	S01	
41	U226	4,584	P	S01	
41	U227	176	P	S01	
41	U228	176	P	S01	
41	U234	176	P	S01	
41	U235	176	P	S01	
42	U236	176	P	S01	
42	U237	176	P	S01	
42	U238	176	P	S01	
42	U239	352	P	S01	
42	U240	176	P	S01	
42	U243	176	P	S01	
42	U244	176	P	S01	
42	U246	176	P	S01	
42	U247	176	P	S01	
42	U248	176	P	S01	
43	U249	176	P	S01	
43	U271	176	P	S01	
43	U278	176	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, West (continued)					
43	U279	176	P	S01	
44	U280	176	P	S01	
45	U328	176	P	S01	
46	U353	176	P	S01	
47	U359	176	P	S01	
48	U364	176	P	S01	
49	U367	176	P	S01	
50	U372	176	P	S01	
51	U373	176	P	S01	
52	U387	176	P	S01	
53	U389	176	P	S01	
54	U394	176	P	S01	
55	U395	176	P	S01	
56	U404	176	P	S01	
57	U409	176	P	S01	
58	U410	176	P	S01	
59	U411	176	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 54, Material Disposal Area H (Shaft 9)					
1	D003	15	P	D80	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 55					
	1	D 0 0 1	75,000	P	S 0 1
	2	D 0 0 2	150,000	P	S 0 1 S 0 2 T 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 T 0 4
	5	D 0 0 5	11,000	P	S 0 1 S 0 2 T 0 4
	6	D 0 0 6	400,500	P	S 0 1 S 0 2 T 0 4
	7	D 0 0 7	605,000	P	S 0 1 S 0 2 T 0 4
	8	D 0 0 8	900,000	P	S 0 1 S 0 2 T 0 4
	9	D 0 0 9	26,000	P	S 0 1 S 0 2 T 0 4
1	0	D 0 1 0	2,500	P	S 0 1 S 0 2 T 0 4
1	1	D 0 1 1	11,000	P	S 0 1 S 0 2 T 0 4
1	2	D 0 1 2	1,000	P	S 0 1 T 0 4
1	3	D 0 1 8	4,500	P	S 0 1 T 0 4
1	4	D 0 1 9	4,500	P	S 0 1 T 0 4
1	5	D 0 2 1	4,500	P	S 0 1 T 0 4
1	6	D 0 2 2	1,500	P	S 0 1 T 0 4
1	7	D 0 2 7	1,500	P	S 0 1 T 0 4
1	8	D 0 2 8	2,500	P	S 0 1 T 0 4
1	9	D 0 3 0	1,500	P	S 0 1 T 0 4
2	0	D 0 3 2	1,500	P	S 0 1 T 0 4
2	1	D 0 3 3	1,500	P	S 0 1 T 0 4
2	2	D 0 3 4	1,500	P	S 0 1 T 0 4
2	3	D 0 3 5	12,000	P	S 0 1 T 0 4
2	4	D 0 3 6	1,500	P	S 0 1 T 0 4
2	5	D 0 3 7	1,500	P	S 0 1 T 0 4
2	6	D 0 3 8	1,500	P	S 0 1 T 0 4
2	7	D 0 3 9	11,000	P	S 0 1 T 0 4
2	8	D 0 4 0	11,000	P	S 0 1 T 0 4
2	9	D 0 4 2	1,500	P	S 0 1 T 0 4
3	0	D 0 4 3	1,500	P	S 0 1 T 0 4
3	1	F 0 0 1	110,000	P	S 0 1 T 0 4
3	2	F 0 0 2	110,000	P	S 0 1 T 0 4
3	3	F 0 0 3	110,000	P	S 0 1
3	4	F 0 0 5	110,000	P	S 0 1
3	5	F 0 0 6	500	P	S 0 1
3	6	F 0 0 7	500	P	S 0 1

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 55 (continued)					
37	F009	500	P	S01	
38	P003	1,500	P	S01	
39	P012	1,500	P	S01	
40	P015	6,000	P	S01	
41	P029	1,500	P	S01	
42	P030	1,500	P	S01	
43	P031	1,500	P	S01	
44	P038	1,500	P	S01	
45	P056	3,000	P	S01	
46	P063	1,500	P	S01	
47	P068	1,500	P	S01	
48	P073	1,500	P	S01	
49	P076	1,500	P	S01	
50	P078	1,500	P	S01	
51	P095	1,500	P	S01	
52	P096	1,500	P	S01	
53	P098	1,500	P	S01	
54	P099	500	P	S01	
55	P106	1,500	P	S01	
56	P113	1,500	P	S01	
57	P120	1,500	P	S01	
58	U000	3,000	P	S01	
59	U002	1,500	P	S01	
60	U003	1,500	P	S01	
61	U012	1,500	P	S01	
62	U019	3,000	P	S01	
63	U022	1,500	P	S01	
64	U029	1,500	P	S01	
65	U031	1,500	P	S01	
66	U037	1,500	P	S01	
67	U044	1,500	P	S01	
68	U045	1,500	P	S01	
69	U052	1,500	P	S01	
70	U056	1,500	P	S01	
71	U057	1,500	P	S01	
72	U075	1,500	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 55 (continued)					
7 3	U 0 7 7	1,500	P	S 0 1	
7 4	U 0 8 0	6,000	P	S 0 1	
7 5	U 1 0 3	500	P	S 0 1	
7 6	U 1 0 8	1,500	P	S 0 1	
7 7	U 1 1 2	1,500	P	S 0 1	
7 8	U 1 1 5	1,500	P	S 0 1	
7 9	U 1 1 7	1,500	P	S 0 1	
8 0	U 1 2 1	1,500	P	S 0 1	
8 1	U 1 2 2	1,500	P	S 0 1	
8 2	U 1 2 3	1,500	P	S 0 1	
8 3	U 1 3 1	1,500	P	S 0 1	
8 4	U 1 3 3	1,500	P	S 0 1	
8 5	U 1 3 4	6,000	P	S 0 1	
8 6	U 1 3 5	1,500	P	S 0 1	
8 7	U 1 4 0	1,500	P	S 0 1	
8 8	U 1 4 4	1,500	P	S 0 1	
8 9	U 1 5 1	6,000	P	S 0 1	
9 0	U 1 5 4	6,000	P	S 0 1	
9 1	U 1 5 9	6,000	P	S 0 1	
9 2	U 1 6 0	1,500	P	S 0 1	
9 3	U 1 6 1	1,500	P	S 0 1	
9 4	U 1 6 5	1,500	P	S 0 1	
9 5	U 1 6 9	1,500	P	S 0 1	
9 6	U 1 8 8	1,500	P	S 0 1	
9 7	U 1 9 0	1,500	P	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	
10 0	U 2 1 0	6,000	P	S 0 1	
10 1	U 2 1 1	6,000	P	S 0 1	
10 2	U 2 1 3	1,500	P	S 0 1	
10 3	U 2 1 6	1,500	P	S 0 1	
10 4	U 2 1 8	1,500	P	S 0 1	
10 5	U 2 1 9	1,500	P	S 0 1	
10 6	U 2 2 0	6,000	P	S 0 1	
10 7	U 2 2 5	1,500	P	S 0 1	
10 8	U 2 2 6	6,000	P	S 0 1	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 55 (continued)					
10	9 U 2 2 7	1,500	P	S 0 1	
11	0 U 2 2 8	1,500	P	S 0 1	
11	1 U 2 3 9	1,500	P	S 0 1	
11	2 U 2 4 6	1,500	P	S 0 1	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 63					
	1	D001	3,300	P	S01
	2	D002	3,950	P	S01
	3	D003	1,850	P	S01
	4	D004	25,250	P	S01 T04
	5	D005	820	P	S01 T04
	6	D006	5,150	P	S01 T04
	7	D007	37,750	P	S01 T04
	8	D008	54,000	P	S01 T04
	9	D009	1,000	P	S01 T04
1	0	D010	450	P	S01 T04
1	1	D011	25,400	P	S01 T04
1	2	D012	180	P	S01
1	3	D013	40	P	S01
1	4	D014	40	P	S01
1	5	D015	70	P	S01
1	6	D016	40	P	S01
1	7	D017	40	P	S01
1	8	D018	300	P	S01 T04
1	9	D019	250	P	S01 T04
2	0	D020	300	P	S01 T04
2	1	D021	150	P	S01 T04
2	2	D022	330	P	S01 T04
2	3	D023	40	P	S01 T04
2	4	D024	40	P	S01 T04
2	5	D025	40	P	S01 T04
2	6	D026	40	P	S01 T04
2	7	D027	220	P	S01 T04
2	8	D028	400	P	S01 T04
2	9	D029	70	P	S01 T04
3	0	D030	300	P	S01 T04
3	1	D031	220	P	S01 T04
3	2	D032	290	P	S01 T04
3	3	D033	290	P	S01 T04
3	4	D034	290	P	S01 T04
3	5	D035	300	P	S01 T04
3	6	D036	190	P	S01 T04

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 63 (continued)					
3 7	D 0 3 7	70	P	S 0 1 T 0 4	
3 8	D 0 3 8	140	P	S 0 1 T 0 4	
3 9	D 0 3 9	200	P	S 0 1 T 0 4	
4 0	D 0 4 0	250	P	S 0 1 T 0 4	
4 1	D 0 4 1	170	P	S 0 1 T 0 4	
4 2	D 0 4 2	220	P	S 0 1 T 0 4	
4 3	D 0 4 3	250	P	S 0 1 T 0 4	
4 4	F 0 0 1	64,100	P	S 0 1 T 0 4	
4 5	F 0 0 2	34,500	P	S 0 1 T 0 4	
4 6	F 0 0 3	28,500	P	S 0 1	
4 7	F 0 0 4	350	P	S 0 1 T 0 4	
4 8	F 0 0 5	32,500	P	S 0 1	
4 9	F 0 0 6	70	P	S 0 1	
5 0	F 0 0 7	180	P	S 0 1	
5 1	F 0 0 8	70	P	S 0 1	
5 2	F 0 0 9	80	P	S 0 1	
5 3	F 0 1 0	40	P	S 0 1	
5 4	F 0 1 1	40	P	S 0 1	
5 5	F 0 1 2	40	P	S 0 1	
5 6	F 0 1 9	40	P	S 0 1	
5 7	F 0 2 0	40	P	S 0 1	
5 8	F 0 2 1	40	P	S 0 1	
5 9	F 0 2 2	40	P	S 0 1	
6 0	F 0 2 3	40	P	S 0 1	
6 1	F 0 2 4	40	P	S 0 1	
6 2	F 0 2 5	40	P	S 0 1	
6 3	F 0 2 6	40	P	S 0 1	
6 4	F 0 2 7	40	P	S 0 1	
6 5	F 0 2 8	40	P	S 0 1	
6 6	F 0 3 2	40	P	S 0 1	
6 7	F 0 3 4	40	P	S 0 1	
6 8	F 0 3 5	40	P	S 0 1	
6 9	F 0 3 7	40	P	S 0 1	
7 0	F 0 3 8	40	P	S 0 1	
7 1	F 0 3 9	40	P	S 0 1	
7 2	K 0 4 4	220	P	S 0 1	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 63 (continued)					
7 3	K 0 4 5	40	P	S 0 1	
7 4	K 0 4 6	40	P	S 0 1	
7 5	K 0 4 7	40	P	S 0 1	
7 6	K 0 8 4	50	P	S 0 1	
7 7	K 1 0 1	50	P	S 0 1	
7 8	K 1 0 2	50	P	S 0 1	
7 9	P 0 0 1	40	P	S 0 1	
8 0	P 0 0 2	40	P	S 0 1	
8 1	P 0 0 3	40	P	S 0 1	
8 2	P 0 0 4	40	P	S 0 1	
8 3	P 0 0 5	40	P	S 0 1	
8 4	P 0 0 6	40	P	S 0 1	
8 5	P 0 0 7	40	P	S 0 1	
8 6	P 0 0 8	40	P	S 0 1	
8 7	P 0 0 9	40	P	S 0 1	
8 8	P 0 1 0	40	P	S 0 1	
8 9	P 0 1 1	40	P	S 0 1	
9 0	P 0 1 2	40	P	S 0 1	
9 1	P 0 1 3	40	P	S 0 1	
9 2	P 0 1 4	40	P	S 0 1	
9 3	P 0 1 5	40	P	S 0 1	
9 4	P 0 1 6	40	P	S 0 1	
9 5	P 0 1 7	40	P	S 0 1	
9 6	P 0 1 8	40	P	S 0 1	
9 7	P 0 2 0	40	P	S 0 1	
9 8	P 0 2 1	40	P	S 0 1	
9 9	P 0 2 2	40	P	S 0 1	
10 0	P 0 2 3	40	P	S 0 1	
10 1	P 0 2 4	40	P	S 0 1	
10 2	P 0 2 6	40	P	S 0 1	
10 3	P 0 2 7	40	P	S 0 1	
10 4	P 0 2 8	40	P	S 0 1	
10 5	P 0 2 9	40	P	S 0 1	
10 6	P 0 3 0	40	P	S 0 1	
10 7	P 0 3 1	40	P	S 0 1	
10 8	P 0 3 3	40	P	S 0 1	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 63 (continued)					
10	P034	40	P	S01	
11	P036	40	P	S01	
11	P037	40	P	S01	
11	P038	40	P	S01	
11	P039	40	P	S01	
11	P040	40	P	S01	
11	P041	40	P	S01	
11	P042	40	P	S01	
11	P043	40	P	S01	
11	P044	40	P	S01	
11	P045	40	P	S01	
12	P046	40	P	S01	
12	P047	40	P	S01	
12	P048	40	P	S01	
12	P049	40	P	S01	
12	P050	40	P	S01	
12	P051	40	P	S01	
12	P054	40	P	S01	
12	P056	40	P	S01	
12	P057	40	P	S01	
12	P058	40	P	S01	
13	P059	40	P	S01	
13	P060	40	P	S01	
13	P062	40	P	S01	
13	P063	40	P	S01	
13	P064	40	P	S01	
13	P065	40	P	S01	
13	P066	40	P	S01	
13	P067	40	P	S01	
13	P068	40	P	S01	
13	P069	40	P	S01	
14	P070	40	P	S01	
14	P071	40	P	S01	
14	P072	40	P	S01	
14	P073	40	P	S01	
14	P074	40	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 63 (continued)					
14	P075	40	P	S01	
14	P076	40	P	S01	
14	P077	40	P	S01	
14	P078	40	P	S01	
14	P081	40	P	S01	
15	P082	40	P	S01	
15	P084	40	P	S01	
15	P085	40	P	S01	
15	P087	40	P	S01	
15	P088	40	P	S01	
15	P089	40	P	S01	
15	P092	40	P	S01	
15	P093	40	P	S01	
15	P094	40	P	S01	
15	P095	40	P	S01	
16	P096	40	P	S01	
16	P097	40	P	S01	
16	P098	40	P	S01	
16	P099	40	P	S01	
16	P101	40	P	S01	
16	P102	40	P	S01	
16	P103	40	P	S01	
16	P104	40	P	S01	
16	P105	40	P	S01	
16	P106	40	P	S01	
17	P108	40	P	S01	
17	P109	40	P	S01	
17	P110	40	P	S01	
17	P111	40	P	S01	
17	P112	40	P	S01	
17	P113	40	P	S01	
17	P114	40	P	S01	
17	P115	40	P	S01	
17	P116	40	P	S01	
17	P118	40	P	S01	
18	P119	40	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 63 (continued)					
18	P120	40	P	S01	
18	P121	40	P	S01	
18	P122	40	P	S01	
18	P123	40	P	S01	
18	P127	40	P	S01	
18	P128	40	P	S01	
18	P185	40	P	S01	
18	P188	40	P	S01	
18	P189	40	P	S01	
19	P190	40	P	S01	
19	P191	40	P	S01	
19	P192	40	P	S01	
19	P194	40	P	S01	
19	P196	40	P	S01	
19	P197	40	P	S01	
19	P198	40	P	S01	
19	P199	40	P	S01	
19	P201	40	P	S01	
19	P202	40	P	S01	
20	P203	40	P	S01	
20	P204	40	P	S01	
20	P205	40	P	S01	
20	U001	40	P	S01	
20	U002	70	P	S01	
20	U003	40	P	S01	
20	U004	40	P	S01	
20	U005	40	P	S01	
20	U006	40	P	S01	
20	U007	40	P	S01	
20	U008	40	P	S01	
20	U009	40	P	S01	
21	U010	40	P	S01	
21	U011	40	P	S01	
21	U012	40	P	S01	
21	U013	40	P	S01	
21	U014	40	P	S01	
21	U015	40	P	S01	
21	U016	40	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 63 (continued)					
21	U016	40	P	S01	
21	U017	40	P	S01	
21	U018	40	P	S01	
22	U019	40	P	S01	
22	U020	40	P	S01	
22	U021	40	P	S01	
22	U022	40	P	S01	
22	U023	40	P	S01	
22	U024	40	P	S01	
22	U025	40	P	S01	
22	U026	40	P	S01	
22	U027	40	P	S01	
22	U028	40	P	S01	
22	U029	40	P	S01	
23	U030	40	P	S01	
23	U031	40	P	S01	
23	U032	40	P	S01	
23	U033	40	P	S01	
23	U034	40	P	S01	
23	U035	40	P	S01	
23	U036	40	P	S01	
23	U037	40	P	S01	
23	U038	40	P	S01	
23	U039	40	P	S01	
24	U039	40	P	S01	
24	U041	40	P	S01	
24	U042	40	P	S01	
24	U043	40	P	S01	
24	U044	40	P	S01	
24	U045	40	P	S01	
24	U046	40	P	S01	
24	U047	40	P	S01	
24	U048	40	P	S01	
24	U049	40	P	S01	
25	U050	40	P	S01	
25	U051	40	P	S01	
25	U052	40	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 63 (continued)					
25	U053	40	P	S01	
25	U054	40	P	S01	
25	U055	40	P	S01	
25	U056	40	P	S01	
25	U057	40	P	S01	
25	U058	40	P	S01	
25	U059	40	P	S01	
26	U060	40	P	S01	
26	U061	40	P	S01	
26	U062	40	P	S01	
26	U063	40	P	S01	
26	U064	40	P	S01	
26	U065	40	P	S01	
26	U066	40	P	S01	
26	U067	40	P	S01	
26	U068	40	P	S01	
26	U069	40	P	S01	
27	U070	40	P	S01	
27	U071	40	P	S01	
27	U072	40	P	S01	
27	U073	40	P	S01	
27	U074	40	P	S01	
27	U075	40	P	S01	
27	U076	40	P	S01	
27	U077	40	P	S01	
27	U078	120	P	S01	
27	U079	40	P	S01	
28	U080	40	P	S01	
28	U081	40	P	S01	
28	U082	40	P	S01	
28	U083	40	P	S01	
28	U084	40	P	S01	
28	U085	40	P	S01	
28	U086	40	P	S01	
28	U087	40	P	S01	
28	U090	40	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 63 (continued)					
28	U091	40	P	S01	
29	U092	40	P	S01	
29	U093	40	P	S01	
29	U094	40	P	S01	
29	U095	40	P	S01	
29	U096	40	P	S01	
29	U097	40	P	S01	
29	U098	40	P	S01	
29	U099	40	P	S01	
29	U101	40	P	S01	
29	U102	40	P	S01	
30	U103	40	P	S01	
30	U105	40	P	S01	
30	U106	40	P	S01	
30	U107	40	P	S01	
30	U108	40	P	S01	
30	U109	40	P	S01	
30	U110	40	P	S01	
30	U111	40	P	S01	
30	U112	40	P	S01	
30	U113	40	P	S01	
31	U114	40	P	S01	
31	U115	40	P	S01	
31	U116	40	P	S01	
31	U117	40	P	S01	
31	U118	40	P	S01	
31	U119	40	P	S01	
31	U120	40	P	S01	
31	U121	40	P	S01	
31	U122	70	P	S01	
31	U123	40	P	S01	
32	U124	40	P	S01	
32	U125	40	P	S01	
32	U126	40	P	S01	
32	U127	40	P	S01	
32	U128	40	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 63 (continued)					
32	U129	40	P	S01	
32	U130	40	P	S01	
32	U131	40	P	S01	
32	U132	40	P	S01	
32	U133	40	P	S01	
33	U134	120	P	S01	
33	U135	40	P	S01	
33	U136	40	P	S01	
33	U137	40	P	S01	
33	U138	40	P	S01	
33	U140	40	P	S01	
33	U141	40	P	S01	
33	U142	40	P	S01	
33	U143	40	P	S01	
33	U144	40	P	S01	
34	U145	40	P	S01	
34	U146	40	P	S01	
34	U147	40	P	S01	
34	U148	40	P	S01	
34	U149	40	P	S01	
34	U150	40	P	S01	
34	U151	70	P	S01	
34	U152	40	P	S01	
34	U153	40	P	S01	
34	U154	40	P	S01	
35	U155	40	P	S01	
35	U156	40	P	S01	
35	U157	40	P	S01	
35	U158	40	P	S01	
35	U159	40	P	S01	
35	U160	40	P	S01	
35	U161	40	P	S01	
35	U162	40	P	S01	
35	U163	40	P	S01	
35	U164	40	P	S01	
36	U165	40	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 63 (continued)					
36	U166	40	P	S01	
36	U167	40	P	S01	
36	U168	40	P	S01	
36	U169	40	P	S01	
36	U170	40	P	S01	
36	U171	40	P	S01	
36	U172	40	P	S01	
36	U173	40	P	S01	
36	U174	40	P	S01	
37	U176	40	P	S01	
37	U177	40	P	S01	
37	U178	40	P	S01	
37	U179	40	P	S01	
37	U180	40	P	S01	
37	U181	40	P	S01	
37	U182	40	P	S01	
37	U183	40	P	S01	
37	U184	40	P	S01	
37	U185	40	P	S01	
38	U186	40	P	S01	
38	U187	40	P	S01	
38	U188	40	P	S01	
38	U189	40	P	S01	
38	U190	40	P	S01	
38	U191	40	P	S01	
38	U192	40	P	S01	
38	U193	40	P	S01	
38	U194	40	P	S01	
38	U196	40	P	S01	
39	U197	40	P	S01	
39	U200	40	P	S01	
39	U201	40	P	S01	
39	U202	40	P	S01	
39	U203	40	P	S01	
39	U204	40	P	S01	
39	U205	40	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 63 (continued)					
39	U206	40	P	S01	
39	U207	40	P	S01	
39	U208	40	P	S01	
40	U209	40	P	S01	
40	U210	40	P	S01	
40	U211	40	P	S01	
40	U213	40	P	S01	
40	U214	40	P	S01	
40	U215	40	P	S01	
40	U216	40	P	S01	
40	U217	40	P	S01	
40	U218	40	P	S01	
40	U219	40	P	S01	
41	U220	70	P	S01	
41	U221	40	P	S01	
41	U222	40	P	S01	
41	U223	40	P	S01	
41	U225	40	P	S01	
41	U226	70	P	S01	
41	U227	40	P	S01	
41	U228	70	P	S01	
41	U234	40	P	S01	
41	U235	40	P	S01	
42	U236	40	P	S01	
42	U237	40	P	S01	
42	U238	40	P	S01	
42	U239	70	P	S01	
42	U240	40	P	S01	
42	U243	40	P	S01	
42	U244	40	P	S01	
42	U246	40	P	S01	
42	U247	40	P	S01	
42	U248	40	P	S01	
43	U249	40	P	S01	
43	U271	40	P	S01	
43	U278	40	P	S01	

7. Description of Hazardous Wastes (Enter codes for Items 7.A, 7.C and 7.D(1))

Line No.	A. EPA Hazardous Waste No.	B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes	
				(1) Process Codes	(2) Process Description (if code is not entered in 7.D1))
Technical Area 63 (continued)					
43	U279	40	P	S01	
44	U280	40	P	S01	
45	U283	40	P	S01	
46	U353	40	P	S01	
47	U359	40	P	S01	
48	U364	40	P	S01	
49	U367	40	P	S01	
50	U372	40	P	S01	
51	U373	40	P	S01	
52	U387	40	P	S01	
53	U389	40	P	S01	
54	U394	40	P	S01	
55	U395	40	P	S01	
56	U404	40	P	S01	
57	U409	40	P	S01	
58	U410	40	P	S01	
59	U411	40	P	S01	

Attachment 3

Example Instructions for the Macroencapsulation Treatment Process

EXAMPLE INSTRUCTIONS ONLY

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UCOR ASSEMBLY, LOADING, AND CLOSURE INSTRUCTIONS
HMPPS with PVC Coated Nylon / Zipper Middle Layer Revision 0.0

1.0 **OUTER SHELL:** Unfold the Outer Shell and spread out the material until the bottom of the shell forms the shape of a rectangle. The center zipper opening should be facing up. Inspect the Outer Shell for tears, gaps, slits, or any signs of damage that compromise the integrity of the Outer Shell. Inspect the center Zipper Closure for operation and insure the Zipper Closure works properly. Tag any damaged product as "Do Not Use" or comparable marking and notify the Quality Assurance Manager.

2.0 **MIDDLE LINER:** Unfold the middle liner and spread out the material to form the shape of a rectangle. The Center Zipper opening should be facing up. Inspect the middle liner for tears, gaps, slits, or any signs of damage that compromise the integrity of the Outer Shell. Inspect the Zipper Closure to insure the closure mechanism is continuously RF Welded to the Middle Liner and works properly. Tag any damaged product as "Do Not Use" or comparable marking and notify the Quality Assurance Manager.

3.0 **INNER LINER:** Unfold the Inner Liner and spread out the material to form the shape of a rectangle. The Center Zipper opening should be facing up. Inspect the Inner Liner for tears, gaps, slits, or any signs of damage that compromise the integrity of the Inner Liner. Inspect the Center Zipper Closure for operation and insure the Zipper Closure works properly. Tag any damaged product as "Do Not Use" or comparable marking and notify the Quality Assurance Manager.

4.0 **ASSEMBLY:** Turn the Inner Liner upside down. Place the opening of the Middle Liner over the bottom of the Inner Liner and pull the Middle Liner down so that the Inner Liner is completely surrounded by the Middle Liner. The Middle Liner should envelop the Inner Liner so that the Middle Liner's bottom and corners' align with the Inner Liner. Again, inspect the bottom of the Middle Liner for any gaps, tears, holes, or abrasions that could compromise the integrity of the system. Tag any damaged product as "Do Not Use" or comparable marking and notify the Quality Assurance Manager.

4.1 Flip the Middle Liner and Inner Liner over (180 degrees) so that the top of the Middle Liner and Inner Liner are facing up.

4.2 Place the Middle and Inner Liner inside the Outer Liner. Position the interior Inner Liner's four corners and sides to the four corners and sides

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of the Outer Liner. This can be accomplished manually or with the aid of a pole/broom handle with tape or a tennis ball on the end.

4.3 Fold the Inner and Middle liners over the corners and side of the Outer Liner. Ensure that the Middle Liner's Zipper is covered by the Inner Liner when folded over the outside of the HMPPS container. Shrink wrap could be applied around the sides of the HMPPS and folded down liner to minimize contamination to the liner and protect the Zipper during loading.

4.4 Place the assembled HMPPS inside the BR90/ST90/B25 metal box. The edges and corners of the HMPPS should be mated to the metal box edges and corners. This may be aided by the use of a pole with tennis ball or tape ball on the end. Ensure the HMPPS is not damaged during this phase.

5.0 **WASTE LOADING:**

5.1 Load the waste into the Inner Liner. Take precautions not to forcibly load the waste into the liner.

5.2 The Inner Liner must be at least 90% full. The HMPPS working load limit, the maximum gross weight for the metal container determined by the manufacturer, or the maximum weight for the container size on the disposal profile (whichever is lower) cannot be exceeded when filled with debris and less than 10% void space. Fill the HMPPS Inner Liner to a minimum of 90% full with drums/boxes and disposal site approved absorbent.

6.0 **HMPPS CLOSURE:** After the Inner Liner has been loaded to the appropriate load limit and to the appropriate height, (approx. 3-4" from the top of the interior bag), close the Inner Liner by pulling up the outermost material and locating the two opposing "dog ears" of the Inner Liner. Pull tight until the zippers meet in the middle.

6.1 Locate the zipper pull with attached fabric pull loop. (Any foreign debris should be removed from the zipper track prior to closing for safety). Using the fabric pull loop, pull the zipper across the top length of the bag until you reach the other side of the bag. If a zipper becomes stuck, steadily work it back and forth until it is free. If this does not work, use the redundant zipper pull on the opposite side, and zip it closed meeting the other zipper at its stuck point and tie them together.

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6.2 Locate the Middle Liner, and find the Zipper Closure at the top of the liner. Take care in folding the liner and trying to eliminate as much air as possible. Using the Zipper Tee, pull the zipper across the top length of the bag until you reach the other side of the bag. If a zipper becomes stuck, steadily work it back and forth until it is free. Leave a few inches open and push the liner flat, pushing the air out of the liner until you have as much air out of it as possible. Close the remaining few inches of the Zipper and go back across the seal to make sure it is secured across the entire length of the seal. Once the bag is closed/sealed secure the T-handle to the liner with PACTEC Repair Tape if required by the disposal site.

6.3 Close the Outer Liner by repeating Step 6.1. Add additional disposal site approved absorbent to fill the package as completely as possible to minimize any void space if required. Settling may occur during transportation.

7.0 REPAIR INSTRUCTIONS:

7.1 PacTec Repair Tape (PTNUR) may be used to repair cosmetic blemishes in the coating of the Outer Shell. This coating may crack if the Shell is folded or bent. These cracks do not affect the functionality of the HMPPS.

7.2 Any other indications of damage to the HMPPS system should be evaluated on a case by case basis.

Attachment 4

Certification

Document: Treatment by Macroencapsulation
Date: June 2018

CERTIFICATION

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.

6/28/18
Date Signed

Enrique Torres
Environmental Protection and Compliance Division
Los Alamos National Security, LLC
Operator

02 July 2018
Date Signed

Karen E. Armijo
Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy
Owner/Operator

Document: Treatment by Macroencapsulation
Date: June 2018

CERTIFICATION

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.

7/09/2018

Nicholas J. Lombardo
Program Manager
Newport News Nuclear BWXT-Los Alamos, LLC
Operator

Date Signed

7/09/18

Arturo Q. Duran
Permitting and Compliance Manager
Environmental Management
U.S. Department of Energy
Owner/Operator

Date Signed