

ATTACHMENT B
HAZARDOUS WASTE PERMIT APPLICATION PART A

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HAZARDOUS WASTE PERMIT APPLICATION PART A

TABLE OF CONTENTS

PART A - HAZARDOUS WASTE PERMIT APPLICATION	4
RCRA PART A APPLICATION CERTIFICATION.....	18
APPENDIX B1 OTHER ENVIRONMENTAL PERMITS.....	19
APPENDIX B2 MAPS	28
Figure B2-1 General Location of the WIPP Facility.....	31
Figure B2-2 Topographic Map with Underground Facilities	32
Figure B2-3 Planimetric Map - WIPP Facility Boundaries.....	34
APPENDIX B3 FACILITIES	37
Figure B3-1 Spatial View of the WIPP Facility	40
Figure B3-2 Waste Handling Building - TRU Mixed Waste Container Storage and Surge Areas.....	44
Figure B3-3 Parking Area Unit - TRU Mixed Waste Container Storage and Surge Areas	46
Figure B3-4 RH Hot Cell Storage Area	47
Figure B3-5 RH Canister Transfer Cell Storage Area and Waste Transport Route	48
Figure B3-6 Repository Horizon.....	49
Figure B3-7 Typical Disposal Panel	50
APPENDIX B4 PHOTOGRAPHS	51
Figure B4-1 Aerial Photograph of the Waste Isolation Pilot Plant.....	54
Figure B4-2 Underground - Panel 7 - Panel Entry	56
Figure B4-3 Aerial Photograph of the Waste Handling Building	58
Figure B4-4 TRUDOCK (East) in CH Bay of the Waste Handling Building.....	60
Figure B4-5 NE Corner of CH Bay of the Waste Handling Building	62
Figure B4-6 Waste Shaft Conveyance - Loading Facility Pallet with CH Waste, Waste Handling Building.....	65
Figure B4-7 RH Bay	67
Figure B4-8 Cask Unloading Room and Bridge Crane	69
Figure B4-9 Hot Cell.....	71
Figure B4-10 Transfer Cell.....	73
Figure B4-11 Facility Cask Loading Room and Facility Cask Rotating Device.....	75

OMB# 2050-0024; Expires 04/30/2024

United States Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION FORM	
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1. Reason for Submittal (Select only one.)

<input type="checkbox"/>	Obtaining or updating an EPA ID number for on-going regulated activities (Items 10-17 below) that will continue for a period of time.
<input type="checkbox"/>	Submitting as a component of the Hazardous Waste Report for _____ (Reporting Year)
<input type="checkbox"/>	Site was a TSD facility, a reverse distributor, and/or generator of $\geq 1,000$ kg of non-acute 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)
<input type="checkbox"/>	Notifying that regulated activity is no longer occurring at this Site
<input type="checkbox"/>	Obtaining or updating an EPA ID number for conducting Electronic Manifest Broker activities
<input checked="" type="checkbox"/>	Submitting a new or revised Part A (permit) Form

2. Site EPA ID Number

N	M	4	8	9	0	1	3	9	0	8	8
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3. Site Name

Waste Isolation Pilot Plant

4. Site Location Address

Street Address 34 Louis Whitlock Road			
City, Town, or Village Carlsbad		County Eddy	
State NM	Country USA	Zip Code 88220	
Latitude 32.3697706	Longitude -103.7913501	<input type="checkbox"/> Use Lat/Long as Primary Address	

5. Site Mailing Address

Same as Location Street Address

Street Address P.O. Box 3090			
City, Town, or Village Carlsbad			
State NM	Country USA	Zip Code 88221	

6. Site Land Type

<input type="checkbox"/> Private	<input type="checkbox"/> County	<input type="checkbox"/> District	<input checked="" type="checkbox"/> Federal	<input type="checkbox"/> Tribal	<input type="checkbox"/> Municipal	<input type="checkbox"/> State	<input type="checkbox"/> Other
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7. North American Industry Classification System (NAICS) Code(s) for the Site (at least 5-digit codes)

A. (Primary) 56221	C.
B.	D.

EPA ID Number **N M 4 8 9 0 1 3 9 0 8 8**

OMB# 2050-0024; Expires 04/30/2024

8. Site Contact Information

Same as Location Address

First Name	Mark	MI	Last Name	Bollinger
Title	Manager, Carlsbad Field Office (CBFO)			
Street Address	P.O. Box 3090			
City, Town, or Village	Carlsbad			
State	NM	Country	USA	Zip Code
				88221
Email	Mark.Bollinger@cbfo.doe.gov			
Phone	(575) 243-4432	Ext		Fax

9. Legal Owner and Operator of the Site

A. Name of Site's Legal Owner

Same as Location Address

Full Name	U.S. Department of Energy			Date Became Owner (mm/dd/yyyy)	5/18/1981
Owner Type	<input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other				
Street Address	P.O. Box 3090				
City, Town, or Village	Carlsbad				
State	NM	Country	USA	Zip Code	88221
Email	Mark.Bollinger@cbfo.doe.gov				
Phone	(575) 243-4432	Ext		Fax	
Comments					

B. Name of Site's Legal Operator

Same as Location Address

Full Name	U.S. Department of Energy			Date Became Operator (mm/dd/yyyy)	5/18/1981
Operator Type	<input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other				
Street Address	P.O. Box 3090				
City, Town, or Village	Carlsbad				
State	NM	Country	USA	Zip Code	88221
Email	Mark.Bollinger@cbfo.doe.gov				
Phone	(575) 243-4432	Ext		Fax	
Comments	See Item 18, Comments, for additional operator.				

EPA ID Number

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OMB# 2050-0024; Expires 04/30/2024

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

<input checked="" type="checkbox"/> Y <input type="checkbox"/> N		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N		1. Generator of Hazardous Waste—If "Yes", mark only one of the following—a, b, c
	<input checked="" type="checkbox"/>	a. LQG		-Generates, in any calendar month, 1,000 kg/mo (2,200 lb/mo) or more of non-acute hazardous waste (includes quantities imported by importer site); 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.
	<input type="checkbox"/>	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.
	<input type="checkbox"/>	c. VSQG		Less than or equal to 100 kg/mo (220 lb/mo) of non-acute hazardous waste.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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. <i>Note: If "Yes", you MUST indicate that you are a Generator of Hazardous Waste in Item 10.A.1 above.</i>		
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N		3. Treater, Storer or Disposer of Hazardous Waste—Note: Part B of a hazardous waste permit is required for these activities.		
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N		4. Receives Hazardous Waste from Off-site		
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N		5 Recycler of Hazardous Waste		
	<input type="checkbox"/>	a. Recycler who stores prior to recycling		
	<input type="checkbox"/>	b. Recycler who does not store prior to recycling		
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N		6. Exempt Boiler and/or Industrial Furnace—If "Yes", mark all that apply.		
	<input type="checkbox"/>	a. Small Quantity On-site Burner Exemption		
	<input type="checkbox"/>	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.

D004	D009	D021	D029	D035	D040	F004
D005	D010	D022	D030	D036	D043	F005
D006	D011	D026	D032	D037	F001	F006
D007	D018	D027	D033	D038	F002	F007
D008	D019	D028	D034	D039	F003	See Item 18

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.

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EPA ID Number **N M 4 8 9 0 1 3 9 0 8 8** OMB# 2050-0024; Expires 04/30/2024

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

A. Other Waste Activities

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

B. Universal Waste Activities

<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
<input type="checkbox"/>	a. Batteries
<input type="checkbox"/>	b. Pesticides
<input type="checkbox"/>	c. Mercury containing equipment
<input type="checkbox"/>	d. Lamps
<input type="checkbox"/>	e. Aerosol Cans
<input type="checkbox"/>	f. Other (specify) _____
<input type="checkbox"/>	g. Other (specify) _____
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	2. Destination Facility for Universal Waste Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities

<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	1. Used Oil Transporter—If “Yes”, mark all that apply.
<input type="checkbox"/>	a. Transporter
<input type="checkbox"/>	b. Transfer Facility (at your site)
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	2. Used Oil Processor and/or Re-refiner—If “Yes”, mark all that apply.
<input type="checkbox"/>	a. Processor
<input type="checkbox"/>	b. Re-refiner
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	3. Off-Specification Used Oil Burner
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	4. Used Oil Fuel Marketer—If “Yes”, mark all that apply.
<input type="checkbox"/>	a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
<input type="checkbox"/>	b. Marketer Who First Claims the Used Oil Meets the Specifications

EPA ID Number

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OMB# 2050-0024; Expires 04/30/2024

D. Pharmaceutical Activities

<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	1. Operating under 40 CFR Part 266, Subpart P for the management of hazardous waste pharmaceuticals—if “Yes”, mark only one. Note: See the item-by-item instructions for definitions of healthcare facility and reverse distributor.
<input type="checkbox"/>	a. Healthcare Facility
<input type="checkbox"/>	b. Reverse Distributor
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	2. Withdrawing from operating under 40 CFR Part 266, Subpart P for the management of hazardous waste pharmaceuticals. Note: You may only withdraw if you are a healthcare facility that is a VSQG for all of your hazardous waste, including hazardous waste pharmaceuticals.

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

<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	A. Opting into or currently operating under 40 CFR Part 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.
<input type="checkbox"/>	1. College or University
<input type="checkbox"/>	2. Teaching Hospital that is owned by or has a formal written affiliation with a college or university
<input type="checkbox"/>	3. Non-profit Institute that is owned by or has a formal written affiliation with a college or university
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	B. Withdrawing from 40 CFR Part 262, Subpart K for the management of hazardous wastes in laboratories.

13. Episodic Generation

<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
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14. LQG Consolidation of VSQG Hazardous Waste

<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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 VSQG hazardous waste.
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15. Notification of LQG Site Closure for a Central Accumulation Area (CAA) (optional) OR Entire Facility (required)

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

EPA ID Number **N M 4 8 9 0 1 3 9 0 8 8**

OMB# 2050-0024; Expires 04/30/2024

United States Environmental Protection Agency HAZARDOUS WASTE PERMIT PART A FORM	
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1. Facility Permit Contact

First Name Same as Site Contact	MI	Last Name
Title		
Email		
Phone	Ext	Fax

2. Facility Permit Contact Mailing Address

Street Address Same as Site Mailing Address		
City, Town, or Village		
State	Country	Zip Code

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

5/18/1981

4. Other Environmental Permits

A. Permit Type	B. Permit Number	C. Description
		See Permit Attachment B, Appendix B1

5. Nature of Business

<p>The Waste Isolation Pilot Plant (WIPP) is a U.S. Department of Energy facility for the receipt, unloading, and transfer of transuranic mixed waste from the surface of the site to the underground hazardous waste disposal units. Waste is emplaced in an underground geologic repository horizon located in a deep, bedded salt formation approximately 2,150 feet beneath the surface.</p>

EPA ID Number **N M 4 8 9 0 1 3 9 0 8 8**

OMB# 2050-0024; Expires 04/30/2024

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		
0	1	X	0	4	18000.00	C	002	Panels 1 and 2
0	2	X	0	4	18750.00	C	001	Panel 3
0	3	X	0	4	19106.00	C	001	Panel 4
0	4	X	0	4	19195.00	C	001	Panel 5
								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)				
0	1	D	0	0	4	903	M	X	0	4	S	0	1	S	0	1	
0	2	D	0	0	5	484	M	X	0	4	S	0	1	S	0	1	
0	3	D	0	0	6	1819	M	X	0	4	S	0	1	S	0	1	
0	4	D	0	0	7	1248	M	X	0	4	S	0	1	S	0	1	
0	5	D	0	0	8	3246	M	X	0	4	S	0	1	S	0	1	
0	6	D	0	0	9	1727	M	X	0	4	S	0	1	S	0	1	
0	7	D	0	1	0	186	M	X	0	4	S	0	1	S	0	1	
0	8	D	0	1	1	1090	M	X	0	4	S	0	1	S	0	1	
0	9	D	0	1	8	749	M	X	0	4	S	0	1	S	0	1	
1	0	D	0	1	9	761	M	X	0	4	S	0	1	S	0	1	
																	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

See Hazardous Waste Permit Part A Form, Narrative to Item 6. Process Codes and Design Capacities.

1 EPA ID Number: NM4890139088

2 Hazardous Waste Permit Part A Form

3 6. Process Codes and Design Capacities (continued)

Line Numbers	A. Process Code			B. Process Design Capacity		C. Process Total Number of Units	D. Unit Name
				(1) Amount	(2) Unit of Measure		
5	X	0	4	19284.00	C	001	Panel 6
6	X	0	4	19400.00	C	004	Panels 7, 8, 11 and 12
7	S	0	1	194.1	C	001	Waste Handling Building Unit
8	S	0	1	242.0	C	001	Parking Area Unit

EPA ID Number: NM4890139088

Hazardous Waste Permit Part A Form

Narrative to Item 6. Process Codes and Design Capacities

The Waste Isolation Pilot Plant (**WIPP**) geologic repository is defined as a “miscellaneous unit” under 40 CFR §260.10: *Miscellaneous unit means a hazardous waste management unit where hazardous waste is treated, stored, or disposed of and that is not a container, tank, surface impoundment, waste pile, land treatment unit, landfill, incinerator, boiler, industrial furnace, underground injection well with appropriate technical standards under part 146 of this chapter, containment building, corrective action management unit, unit eligible for research, development, and demonstration permit under 40 CFR 270.65 or staging pile.* The WIPP facility is a geologic repository designed for the disposal of defense-generated transuranic (**TRU**) waste. Some of the TRU wastes disposed of at the WIPP contain hazardous wastes as co-contaminants. More than half the waste to be disposed of at the WIPP facility also meets the definition of debris waste. The debris categories include manufactured goods, biological materials, and naturally occurring geological materials. The WIPP facility has been divided into twelve discrete hazardous waste disposal units (**HWDUs**), ten of which are permitted for disposal under 40 CFR Part 264, Subpart X, *Miscellaneous Units*.

For purposes of this application, all TRU waste is managed as though it were mixed. During the Disposal Phase of the facility, the emplaced TRU mixed waste volume will not exceed the design capacity specified in Item 6, *Process Codes and Design Capacities*. This volume is calculated based on the gross internal volumes of the outermost disposal containers and cannot exceed 189,935 m³ for Panels 1 through 8, 11 and 12. The Land Withdrawal Act (**LWA**) TRU waste volume is tracked and reported by the DOE, internally, for the purposes of compliance with the WIPP LWA total capacity limit for TRU waste of 6.2 million cubic feet (175,564 m³), and is included for informational purposes in Permit Part 4, Table 4.1.1.

The process design capacities for each of the ten underground HWDUs in the geologic repository (i.e., miscellaneous unit) are shown in Item 6, *Process Codes and Design Capacities*. In addition, two Hazardous Waste Management Units (**HWMUs**) have been designated as container storage units (S01) in Item 6, *Process Codes and Design Capacities*. One is inside the Waste Handling Building (**WHB**) and consists of the Contact-Handled (**CH**) Bay, Waste Shaft Conveyance Loading Room, Waste Shaft Conveyance Entry Room, Remote-Handled (**RH**) Bay, Cask Unloading Room, Hot Cell, Transfer Cell, and Facility Cask Loading Room. This HWMU will be used for waste receipt, handling, and storage (including storage of derived waste) prior to emplacement in the underground geologic repository. No treatment or disposal will occur in this S01 HWMU. The capacity of this S01 unit for storage is 194.1 m³, based on 36 ten-drum overpacks on 18 facility pallets, four CH Packages at the TRUDOCKs, one standard waste box of derived waste, two loaded casks and one 55-gallon drum of derived waste in the RH Bay, one loaded cask in the Cask Unloading Room, 13 55-gallon drums in the Hot Cell, one canister in the Transfer Cell and one canister in the Facility Cask Unloading Room. The second S01 HWMU is the parking area outside the WHB where the CH and RH Package trailers and the road cask trailers will be parked awaiting waste handling operations. The capacity of this unit is 50 CH Packages and twelve RH Packages with a combined TRU mixed waste volume of 242 m³.

Waste Isolation Pilot Plant
Hazardous Waste Facility Permit
Attachment B
August 15, 2023 Proposed Final Permit

EPA ID Number: NM4890139088

Hazardous Waste Permit Part A Form

Narrative to Item 6. Process Codes and Design Capacities (continued)

The HWMUs are shown in Appendix B3.

A CH TRU mixed waste volume of up to 186,000 m³ could be emplaced in Panels 1 to 8, 11 and 12 and an RH TRU mixed waste volume up to 3,935 m³ could be emplaced in Panels 4 to 8, 11 and 12 for a total of 189,935 m³, as shown in Item 6, *Process Codes and Design Capacities*.

1 EPA ID Number: NM4890139088

2 Hazardous Waste Permit Part A Form

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

Line No.	A. EPA Hazardous Waste No.			B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes										(2) Process Description (if code is not entered in 7.D1))	
						(1) Process Codes											
1	1	D	0	2	1	26	M	X	0	4	S	0	1	S	0	1	
1	2	D	0	2	2	1098	M	X	0	4	S	0	1	S	0	1	
1	3	D	0	2	6	609	M	X	0	4	S	0	1	S	0	1	
1	4	D	0	2	7	26	M	X	0	4	S	0	1	S	0	1	
1	5	D	0	2	8	449	M	X	0	4	S	0	1	S	0	1	
1	6	D	0	2	9	478	M	X	0	4	S	0	1	S	0	1	
1	7	D	0	3	0	26	M	X	0	4	S	0	1	S	0	1	
1	8	D	0	3	2	26	M	X	0	4	S	0	1	S	0	1	
1	9	D	0	3	3	344	M	X	0	4	S	0	1	S	0	1	
2	0	D	0	3	4	26	M	X	0	4	S	0	1	S	0	1	
2	1	D	0	3	5	139	M	X	0	4	S	0	1	S	0	1	
2	2	D	0	3	6	26	M	X	0	4	S	0	1	S	0	1	
2	3	D	0	3	7	26	M	X	0	4	S	0	1	S	0	1	
2	4	D	0	3	8	26	M	X	0	4	S	0	1	S	0	1	
2	5	D	0	3	9	26	M	X	0	4	S	0	1	S	0	1	
2	6	D	0	4	0	140	M	X	0	4	S	0	1	S	0	1	
2	7	D	0	4	3	26	M	X	0	4	S	0	1	S	0	1	
2	8	F	0	0	1	1891	M	X	0	4	S	0	1	S	0	1	
2	9	F	0	0	2	1860	M	X	0	4	S	0	1	S	0	1	
3	0	F	0	0	3	1593	M	X	0	4	S	0	1	S	0	1	
3	1	F	0	0	4	26	M	X	0	4	S	0	1	S	0	1	
3	2	F	0	0	5	1829	M	X	0	4	S	0	1	S	0	1	
3	3	F	0	0	6	915	M	X	0	4	S	0	1	S	0	1	
3	4	F	0	0	7	915	M	X	0	4	S	0	1	S	0	1	
3	5	F	0	0	9	915	M	X	0	4	S	0	1	S	0	1	
3	6	P	0	1	5	945	M	X	0	4	S	0	1	S	0	1	
3	7	P	0	3	0	344	M	X	0	4	S	0	1	S	0	1	
3	8	P	0	9	8	344	M	X	0	4	S	0	1	S	0	1	
3	9	P	0	9	9	344	M	X	0	4	S	0	1	S	0	1	
4	0	P	1	0	6	344	M	X	0	4	S	0	1	S	0	1	
4	1	P	1	2	0	344	M	X	0	4	S	0	1	S	0	1	
4	2	U	0	0	2	344	M	X	0	4	S	0	1	S	0	1	
4	3	U	0	0	3	344	M	X	0	4	S	0	1	S	0	1	
4	4	U	0	1	9	344	M	X	0	4	S	0	1	S	0	1	
4	5	U	0	3	7	344	M	X	0	4	S	0	1	S	0	1	

1 EPA ID Number: NM4890139088

2 Hazardous Waste Permit Part A Form

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

Line No.	A. EPA Hazardous Waste No.					B. Estimated Annual Qty of Waste	C. Unit of Measure	D. Processes										(2) Process Description (if code is not entered in 7.D1))
								(1) Process Codes										
4	6	U	0	4	3	344	M	X	0	4	S	0	1	S	0	1		
4	7	U	0	4	4	344	M	X	0	4	S	0	1	S	0	1		
4	8	U	0	5	2	344	M	X	0	4	S	0	1	S	0	1		
4	9	U	0	7	0	344	M	X	0	4	S	0	1	S	0	1		
5	0	U	0	7	2	344	M	X	0	4	S	0	1	S	0	1		
5	1	U	0	7	8	344	M	X	0	4	S	0	1	S	0	1		
5	2	U	0	7	9	344	M	X	0	4	S	0	1	S	0	1		
5	3	U	1	0	3	344	M	X	0	4	S	0	1	S	0	1		
5	4	U	1	0	5	344	M	X	0	4	S	0	1	S	0	1		
5	5	U	1	0	8	344	M	X	0	4	S	0	1	S	0	1		
5	6	U	1	2	2	344	M	X	0	4	S	0	1	S	0	1		
5	7	U	1	3	3	344	M	X	0	4	S	0	1	S	0	1		
5	8	U	1	3	4	344	M	X	0	4	S	0	1	S	0	1		
5	9	U	1	5	1	344	M	X	0	4	S	0	1	S	0	1		
6	0	U	1	5	4	344	M	X	0	4	S	0	1	S	0	1		
6	1	U	1	5	9	344	M	X	0	4	S	0	1	S	0	1		
6	2	U	1	9	6	344	M	X	0	4	S	0	1	S	0	1		
6	3	U	2	0	9	344	M	X	0	4	S	0	1	S	0	1		
6	4	U	2	1	0	344	M	X	0	4	S	0	1	S	0	1		
6	5	U	2	2	0	344	M	X	0	4	S	0	1	S	0	1		
6	6	U	2	2	6	344	M	X	0	4	S	0	1	S	0	1		
6	7	U	2	2	8	344	M	X	0	4	S	0	1	S	0	1		
6	8	U	2	3	9	344	M	X	0	4	S	0	1	S	0	1		

1 NM4890139088

2 **RCRA PART A APPLICATION CERTIFICATION**

3 The U.S. Department of Energy (DOE), through its Carlsbad Field Office, has signed as “owner
4 and operator,” and Nuclear Waste Partnership LLC, the Management and Operating Contractor
5 (MOC), has signed this application for the permitted facility as “co-operator.”

6 The DOE has determined that dual signatures best reflect the actual apportionment of Resource
7 Conservation and Recovery Act (RCRA) responsibilities as follows:

8 The DOE’s RCRA responsibilities are for policy, programmatic directives, funding and
9 scheduling decisions, Waste Isolation Pilot Plant (WIPP) requirements of DOE generator
10 sites, auditing, and oversight of all other parties engaged in work at the WIPP, as well as
11 general oversight.

12 The MOC’s RCRA responsibilities are for certain day-to-day operations (in accordance
13 with general directions given by the DOE and in the Management and Operating Contract
14 as part of its general oversight responsibility), including, but not limited to, the following:
15 certain waste handling, monitoring, record keeping, certain data collection, reporting,
16 technical advice, and contingency planning.

17 For purposes of the certification required by Title 20 of the New Mexico Administrative
18 Code, Chapter 4, Part 1 (20.4.1 NMAC), Subpart IX, §270.11(d), the DOE’s and the
19 MOC’s representatives certify, under penalty of law that this document and all attachments
20 were prepared under their direction or supervision in accordance with a system designed
21 to assure that qualified personnel properly gather and evaluate the information submitted.
22 Based on their inquiry of the person or persons who manage the system, or those persons
23 directly responsible for gathering the information, the information submitted is, to the best
24 of their knowledge and belief, true, accurate, and complete for their respective areas of
25 responsibility. We are aware that there are significant penalties for submitting false
26 information, including the possibility of fine and imprisonment for knowing violations.

27 Owner and Operator Signature: Original signed by Mark Bollinger
28 Title: Manager, Carlsbad Field Office (CBFO)
29 for: U.S. Department of Energy
30 Date: 5/15/2023

31 Co-Operator Signature: Original signed by Ken Harrawood
32 Title: Program Manager
33 for: Salado Isolation Mining Contractors LLC
34 Date: 5/15/2023
35

1
2
3

**APPENDIX B1
OTHER ENVIRONMENTAL PERMITS**

1

Active Environmental Permits and Approvals for the Waste Isolation Pilot Plant as of January 2022

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
1.	Department of the Interior, Bureau of Land Management	Right-of-Way for Domestic Water Pipeline	NM053809	05/15/06 (City of Carlsbad, NM)	In Perpetuity	Active
2.	Department of the Interior, Bureau of Land Management	Right-of-Way for the North Access Road	NM055676	08/23/83	In Perpetuity	Active
3.	Department of the Interior, Bureau of Land Management	Right-of-Way for WIPP Railroad Spur and Maintenance Road	NM055699	09/27/83	In Perpetuity	Active
4.	Department of the Interior, Bureau of Land Management	Right-of-Way for Dosimetry and Aerosol Sampling Sites	NM063136	07/03/86	12/31/40	Active
5.	Department of the Interior, Bureau of Land Management	Right-of-Way for Seven Subsidence Monuments	NM065801	11/07/86	None	Active
6.	Department of the Interior, Bureau of Land Management	Right-of-Way for telephone cable	NM046092	09/04/81 (Valor Telecom)	12/31/40	Active
7.	Department of the Interior, Bureau of Land Management	Right-of-Way for 115 KV Electric Transmission Line	NM043203	10/19/81 (Xcel Energy)	12/31/40	Active
8.	Department of the Interior, Bureau of Land Management	Right-of-Way for South Access Road (includes Rally Point)	NM123703	01/27/10	12/31/39	Active
9.	Department of the Interior, Bureau of Land Management	Right-of-Way for Mosaic (Duval Mine Site-Nash Draw) telephone line	NM060174	03/08/85 (Valor Telecom)	03/08/35	Active
10.	Department of the Interior, Bureau of Land Management	Right-of-Way for groundwater monitor wells/pads	NM108365	08/30/02	08/30/32	Active
11.	Department of the Interior, Bureau of Land Management	Right-of-Way for Monitoring Well C-2664 (Cabin Baby)	NM107944	04/23/02	04/23/32	Active
12.	Department of the Interior, Bureau of Land Management	Right-of-Way for Wells C-2725 (H-4A), C-2775 (H-4B), & C-2776 (H-4C)	NM-6-5 Cooperative Agreement	04/27/78	None	Active
13.	New Mexico State Land Office Commissioner of Public Lands	Right-of-Way easement for accessing state trust lands in Eddy & Lea Counties	RW-25430	09/28/04	10/31/18	Active Renewal in Process

Waste Isolation Pilot Plant
Hazardous Waste Facility Permit
Attachment B
August 15, 2023 Proposed Final Permit

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
14.	Department of Interior, Bureau of Land Management	Right of Way for Buried Fiber Optics Line	NM113339	08/09/05 (Valor Telecom)	12/31/34	Active
15.	Department of Interior, Bureau of Land Management	Right of Way for South Access Road Fence	NM094304	03/15/95	None	Active
16.	New Mexico State Land Office Commissioner of Public Lands	Right-of-Way for Dosimetry and Aerosol Sampling Sites, Angel Ranch	RW-22789	10/03/85	10/03/20	Active Renewal in Process
17.	New Mexico Environment Department Groundwater Quality Bureau	Discharge Permit	DP-831	12/30/2021	12/30/2026	Active
18.	New Mexico Environment Department Air Quality Bureau	Operating Permit for two backup diesel generators	310-M-2	12/07/93	None	Active
19.	New Mexico Environment Department Petroleum Storage Tank Bureau	Petroleum Storage Tank Registration Certificate	Registration Number 2179 Facility Number 31539	07/01/21	06/30/22	Active
20.	Office of New Mexico State Engineer	Monitoring Well C-2811	C-2811	03/02/01	None	Active
21.	Office of New Mexico State Engineer	WQSP-1 Well	C-2413	10/21/96	None	Active
22.	Office of New Mexico State Engineer	WQSP-2 Well	C-2414	10/21/96	None	Active
23.	Office of New Mexico State Engineer	WQSP-3 Well	C-2415	10/21/96	None	Active
24.	Office of New Mexico State Engineer	WQSP-4 Well	C-2416	10/21/96	None	Active
25.	Office of New Mexico State Engineer	WQSP-5 Well	C-2417	10/21/96	None	Active
26.	Office of New Mexico State Engineer	WQSP-6 Well	C-2418	10/21/96	None	Active
27.	Office of New Mexico State Engineer	WQSP-6a Well	C-2419	10/21/96	None	Active

Waste Isolation Pilot Plant
Hazardous Waste Facility Permit
Attachment B
August 15, 2023 Proposed Final Permit

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
28.	Office of New Mexico State Engineer	Monitoring Well CB-1	C-2664	07/30/99	None	Active
29.	Office of New Mexico State Engineer	Monitoring Well DOE-2	C-2682	04/17/00	None	Active
30.	Office of New Mexico State Engineer	Monitoring Well ERDA-9	C-2752	11/06/00	None	Active
31.	Office of New Mexico State Engineer	Monitoring Well H-2b1	C-2758	11/06/00	None	Active
32.	Office of New Mexico State Engineer	Monitoring Well H-3b1	C-2764	11/06/00	None	Active
33.	Office of New Mexico State Engineer	Monitoring Well H-3d	C-3207	11/06/00	None	Active
34.	Office of New Mexico State Engineer	Monitoring Well H-4c	C-2776	11/06/00	None	Active
35.	Office of New Mexico State Engineer	Monitoring Well H-5bR	C-2745-POD2	02/07/19	None	Active
36.	Office of New Mexico State Engineer	Monitoring Well H-6c	C-2750	11/06/00	None	Active
37.	Office of New Mexico State Engineer	Monitoring Well H-8a	C-2780	11/06/00	None	Active
38.	Office of New Mexico State Engineer	Monitoring Well H-9c	C-2784	11/06/00	None	Active
39.	Office of New Mexico State Engineer	Monitoring Well H-10a	C-2779	11/06/00	None	Active
40.	Office of New Mexico State Engineer	Monitoring Well H-11b2	C-2687	04/17/00	None	Active
41.	Office of New Mexico State Engineer	Monitoring Well H-14	C-2766	11/06/00	None	Active
42.	Office of New Mexico State Engineer	Monitoring Well H-15	C-2685	04/17/00	None	Active
43.	Office of New Mexico State Engineer	Monitoring Well H-16	C-2753	11/06/00	None	Active

Waste Isolation Pilot Plant
Hazardous Waste Facility Permit
Attachment B
August 15, 2023 Proposed Final Permit

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
44.	Office of New Mexico State Engineer	Monitoring Well H-18	C-2683	04/17/00	None	Active
45.	Office of New Mexico State Engineer	Monitoring Well H-19b0	C-2420	01/25/95	None	Active
46.	Office of New Mexico State Engineer	Monitoring Well H-19b2	C-2421	01/25/95	None	Active
47.	Office of New Mexico State Engineer	Monitoring Well H-19b3	C-2422	01/25/95	None	Active
48.	Office of New Mexico State Engineer	Monitoring Well H-19b4	C-2423	01/25/95	None	Active
49.	Office of New Mexico State Engineer	Monitoring Well H-19b5	C-2424	01/25/95	None	Active
50.	Office of New Mexico State Engineer	Monitoring Well H-19b6	C-2425	01/25/95	None	Active
51.	Office of New Mexico State Engineer	Monitoring Well H-19b7	C-2426	01/25/95	None	Active
52.	Office of New Mexico State Engineer	Monitoring Well WIPP-18	C-2684	04/17/00	None	Active
53.	Office of New Mexico State Engineer	Monitoring Well H-6bR	C-3362	12/27/07	None	Active
54.	Office of New Mexico State Engineer	Monitoring Well H-15R	C-3361	12/27/07	None	Active
55.	Office of New Mexico State Engineer	Monitoring Well SNL-2	C-2948	02/14/03	None	Active
56.	Office of New Mexico State Engineer	Monitoring Well SNL-9	C-2950	02/14/03	None	Active
57.	Office of New Mexico State Engineer	Monitoring Well SNL-12	C-2954	02/25/03	None	Active
58.	Office of New Mexico State Engineer	Monitoring Well SNL-1	C-2953	02/25/03	None	Active
59.	Office of New Mexico State Engineer	Monitoring Well SNL-3	C-2949	02/14/03	None	Active

Waste Isolation Pilot Plant
Hazardous Waste Facility Permit
Attachment B
August 15, 2023 Proposed Final Permit

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
60.	Office of New Mexico State Engineer	Monitoring Well SNL-5	C-3002	10/01/03	None	Active
61.	Office of New Mexico State Engineer	Monitoring Well IMC-461	C-3015	11/25/03	None	Active
62.	Office of New Mexico State Engineer	Monitoring Well SNL-10	C-3221	07/26/05	None	Active
63.	Office of New Mexico State Engineer	Monitoring Well SNL-16	C-3220	07/26/05	None	Active
64.	Office of New Mexico State Engineer	Monitoring Well SNL-17	C-3222	07/26/05	None	Active
65.	US Environmental Protection Agency Region 6	Conditions of Approval for Disposal of PCB/TRU and PCB/TRU Mixed Waste at the US Department of Energy (DOE) Waste Isolation Pilot Plant (WIPP) Carlsbad, New Mexico	N/A	03/19/18	03/19/23	Active
66.	US Fish and Wildlife Service	Special Purpose – Relocate	MB155189-0	05/21/20	03/31/23	Active
67.	New Mexico Department of Game and Fish	Biotic Collection Permit	Authorization # 3293	03/02/20	12/31/22	Active
68.	Office of New Mexico State Engineer	Monitoring Well H-4bR	C-3404	01/13/09	None	Active
69.	Office of New Mexico State Engineer	Monitoring Well H-9bR	C-2783-POD2	07/14/10	None	Active
70.	Office of New Mexico State Engineer	Monitoring Well C-2737	C-2737	09/27/00	None	Active
71.	Office of New Mexico State Engineer	Monitoring Well WIPP-11R	C3112-POD2	02/07/19	None	Active
72.	Office of New Mexico State Engineer	Monitoring Well SNL-6	C-3151	02/10/05	None	Active
73.	Office of New Mexico State Engineer	Monitoring Well SNL-8	C-3150	02/10/05	None	Active
74.	Office of New Mexico State Engineer	Monitoring Well SNL-13	C-3139	12/17/04	None	Active

Waste Isolation Pilot Plant
Hazardous Waste Facility Permit
Attachment B
August 15, 2023 Proposed Final Permit

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
75.	Office of New Mexico State Engineer	Monitoring Well SNL-14	C-3140	12/17/04	None	Active
76.	Office of New Mexico State Engineer	Monitoring Well SNL-15	C-3152	02/10/05	None	Active
77.	Office of New Mexico State Engineer	Monitoring Well SNL-18	C-3233	10/06/05	None	Active
78.	Office of New Mexico State Engineer	Monitoring Well SNL-19	C-3234	10/06/05	None	Active
79.	Department of the Interior, Bureau of Land Management	Right-of-Way grant for SNL-18 and SNL-19 well pads	NM115315	03/21/06	12/31/35	Active
80.	Department of the Interior, Bureau of Land Management	Right-of-Way grant for SNL-11 and SNL-5 well pads and road access	NM110735	10/16/03	10/16/33	Active
81.	Department of the Interior, Bureau of Land Management	Right-of-Way grant for SNL-12 well pad	NM109176	04/15/03	04/15/33	Active
82.	Department of the Interior, Bureau of Land Management	Right-of-Way grant for SNL-9 well pad	NM109175	04/15/03	04/15/33	Active
83.	Department of the Interior, Bureau of Land Management	Right-of-Way grant for SNL-2 well pad	NM109174	04/15/03	04/15/33	Active
84.	Department of the Interior, Bureau of Land Management	Right-of-Way grant for SNL-1 Access Road	NM109177	06/17/03	06/17/33	Active
85.	Department of the Interior, Bureau of Land Management	Right-of-Way for 69KV Electric Distribution Line	NM091163	02/16/94 (Xcel Energy)	02/15/24	Active
86.	Office of New Mexico State Engineer	Monitoring Well H-11b4R	C-2769-POD2	05/16/11	None	Active
87.	Office of New Mexico State Engineer	Monitoring Well AEC-7R	C-3635-POD1	04/24/13	None	Active
88.	New Mexico State Land Office Commissioner of Public Lands	Right-of-Way easement for SNL-1 Access Road and well pad	RW-28535	08/27/03	08/27/38	Active
89.	New Mexico State Land Office Commissioner of Public Lands	Right-of-Way easement for SNL-3 Access Road and well pad	RW-28537	08/27/03	08/27/38	Active
90.	Office of New Mexico State Engineer	Monitoring Well H-12R	C-3749 POD1	06/24/14	None	Active

Waste Isolation Pilot Plant
Hazardous Waste Facility Permit
Attachment B
August 15, 2023 Proposed Final Permit

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
91.	Department of the Interior, Bureau of Land Management	Right-of-Way grant for H-12R Access Road and well pad	NM-131916	06/19/14	12/31/43	Active
92.	Office of New Mexico State Engineer	Monitoring Well H-10cR	C-3851-POD1	07/09/15	None	Active
93.	New Mexico State Land Office	Water Monitoring Easement for SNL-1	WM-120	07/20/18	08/21/22	Active
94.	New Mexico State Land Office	Water Monitoring Easement for SNL-3	WM-119	07/20/18	08/21/22	Active
95.	U.S. Department of the Interior, Bureau of Land Management	Seismic Monitoring Stations	NM-120413	07/10/08	12/31/37	Active
96.	New Mexico Environment Department	NSR Streamline, Level 1, Minor Source, Air Permit	310-M3	07/12/19	None	Active

1 *Non DOE grantee is noted

**APPENDIX B2
MAPS**

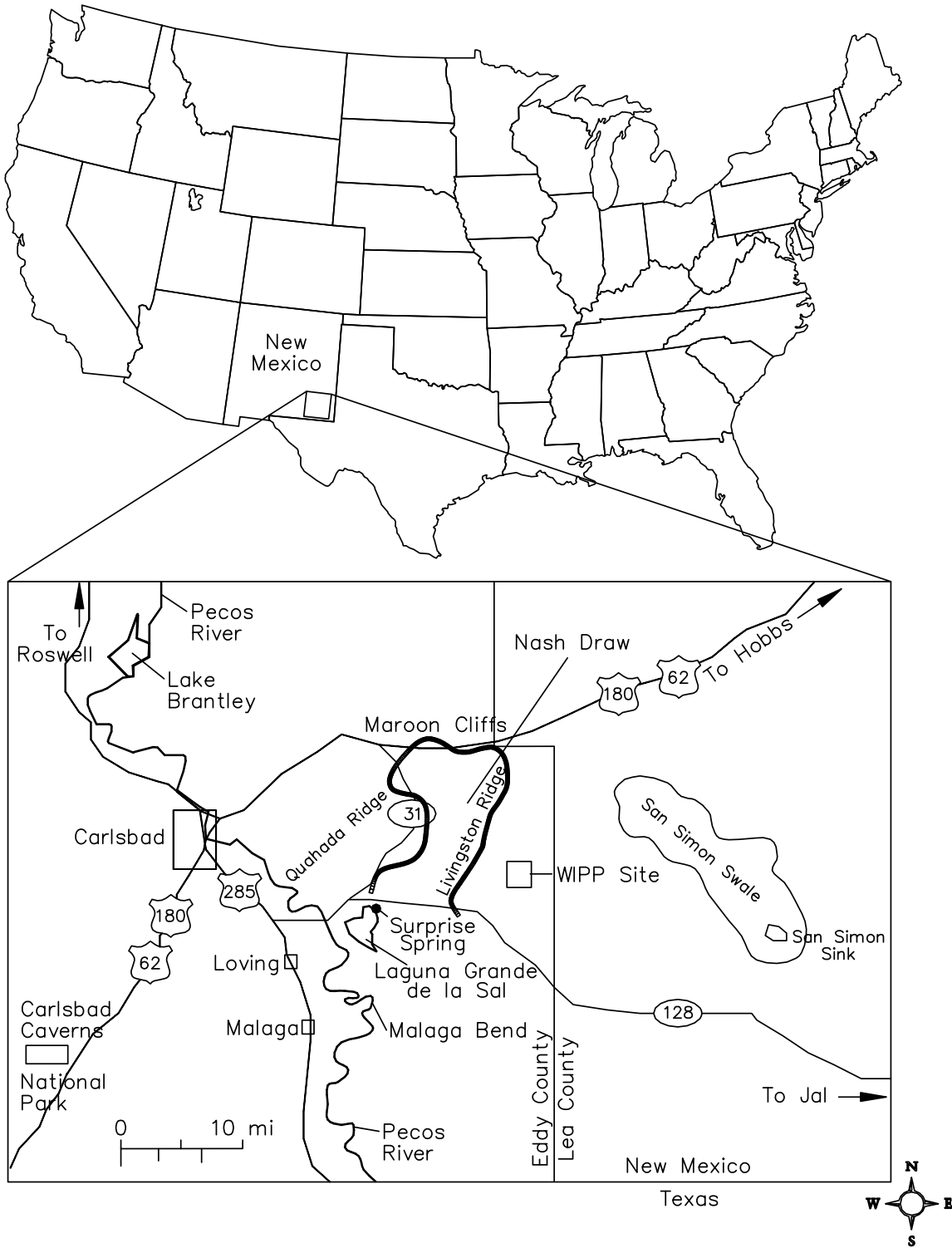


Figure B2-1
General Location of the WIPP Facility

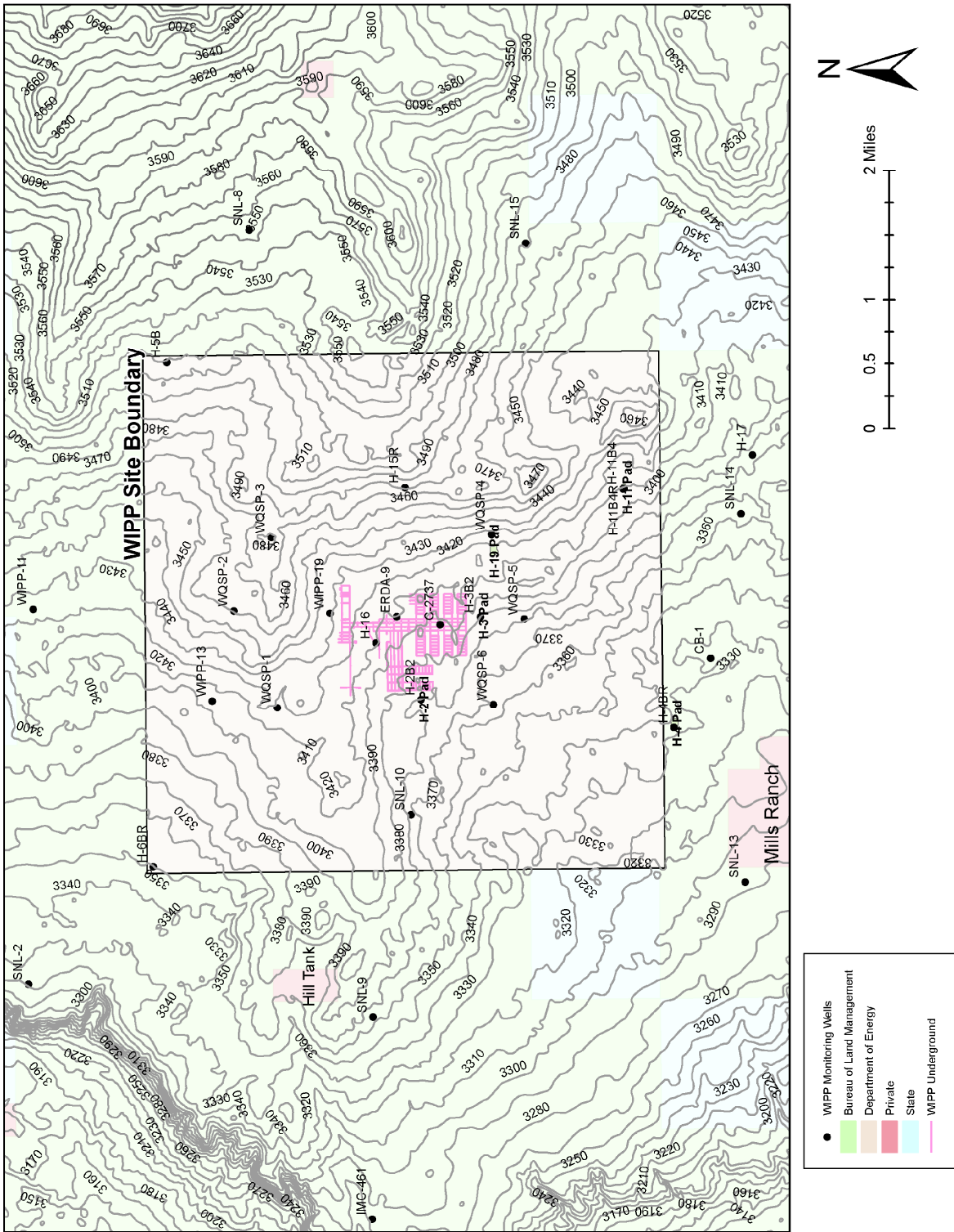
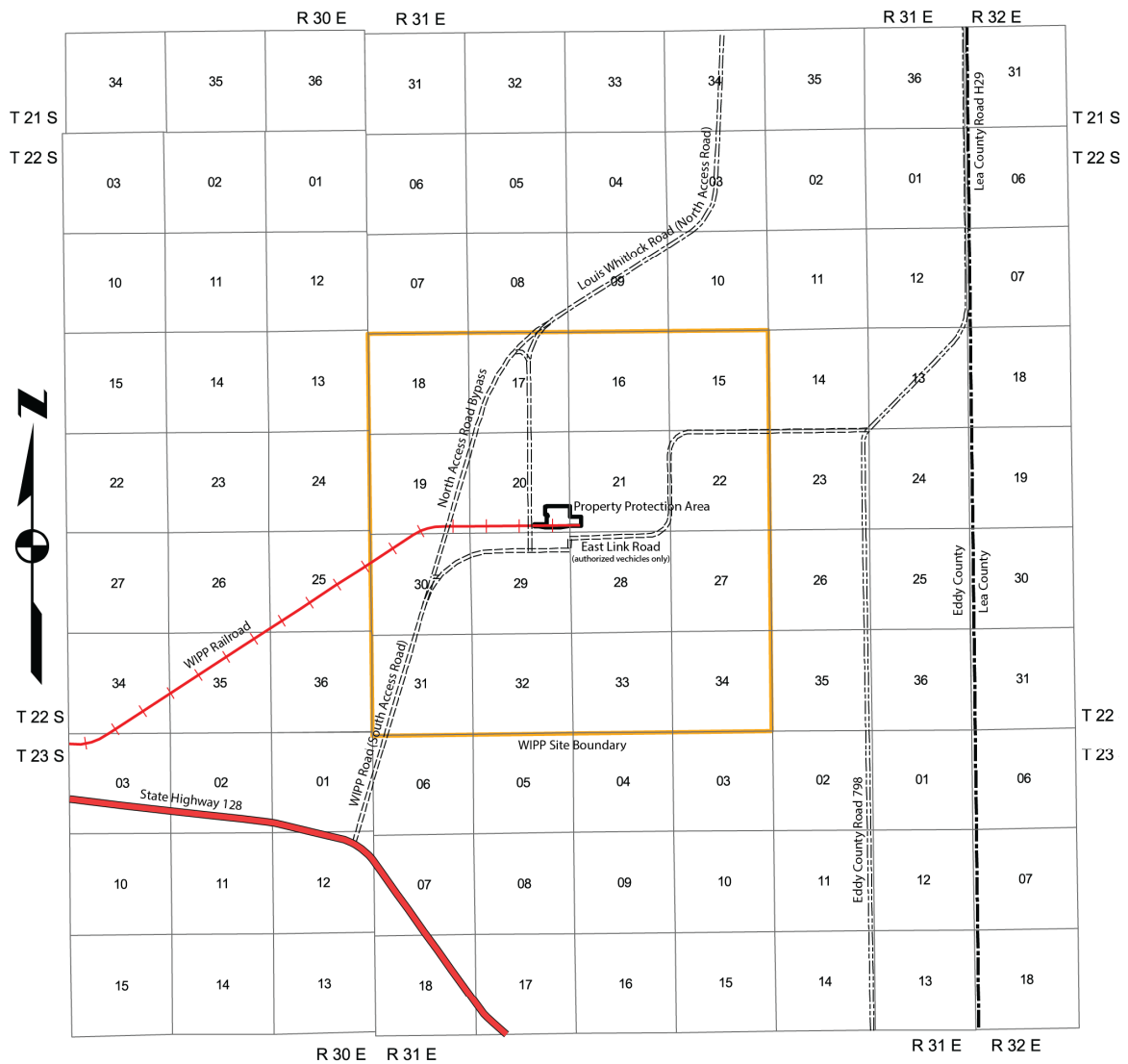


Figure B2-2
Topographic Map with Underground Facilities



LEGEND

- WIPP Site Boundary
- + Railroad
- State Highway
- Other Roads

Figure B2-3
Planimetric - Map-WIPP Facility Boundaries

**APPENDIX B3
FACILITIES**

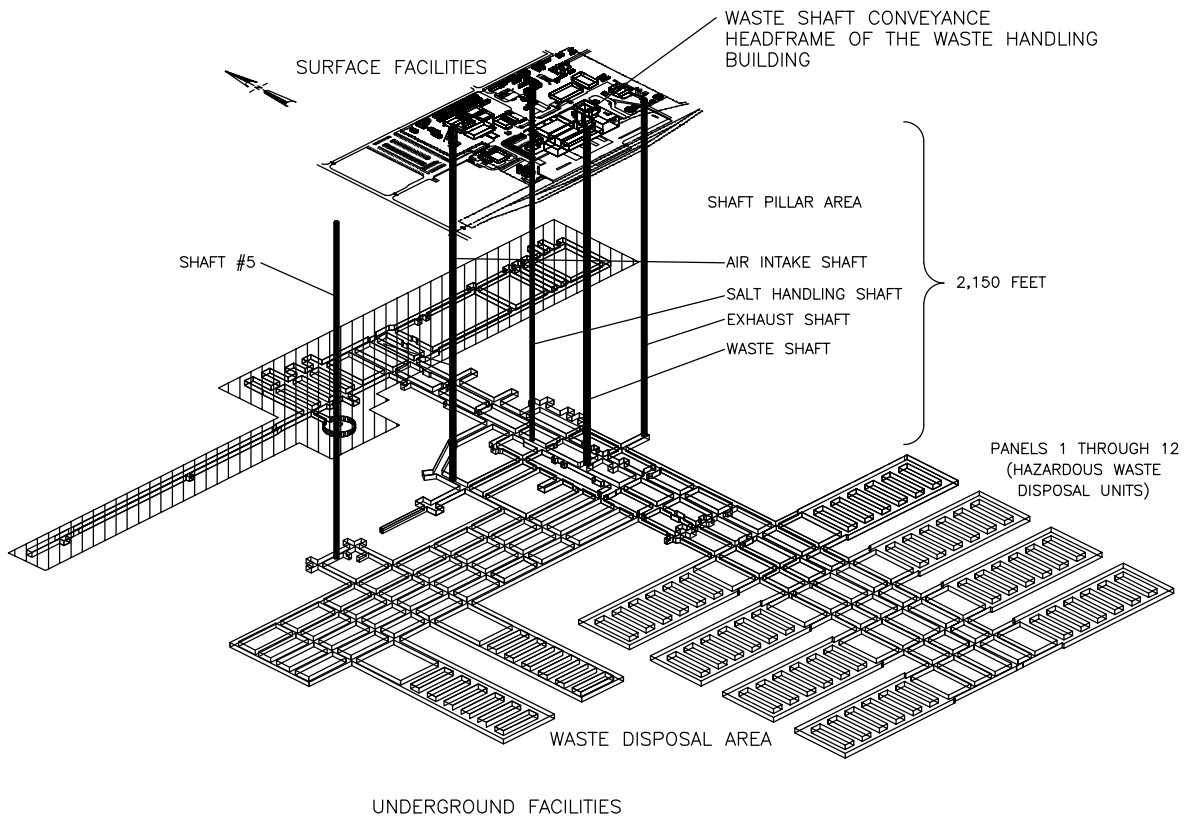


Figure B3-1
Spatial View of the WIPP Facility

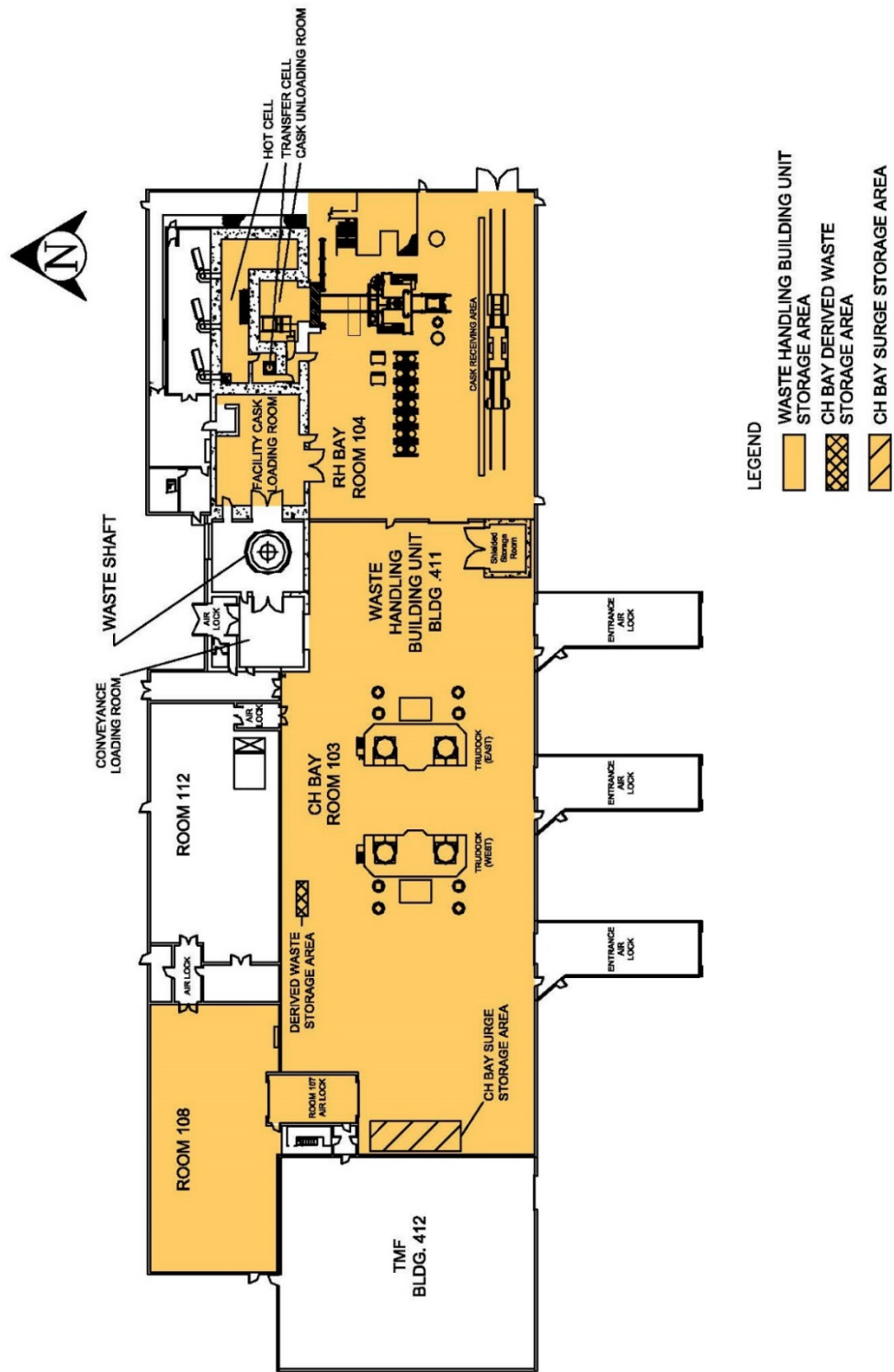


Figure B3-2
 Waste Handling Building - TRU Mixed Waste Container Storage and Surge Areas

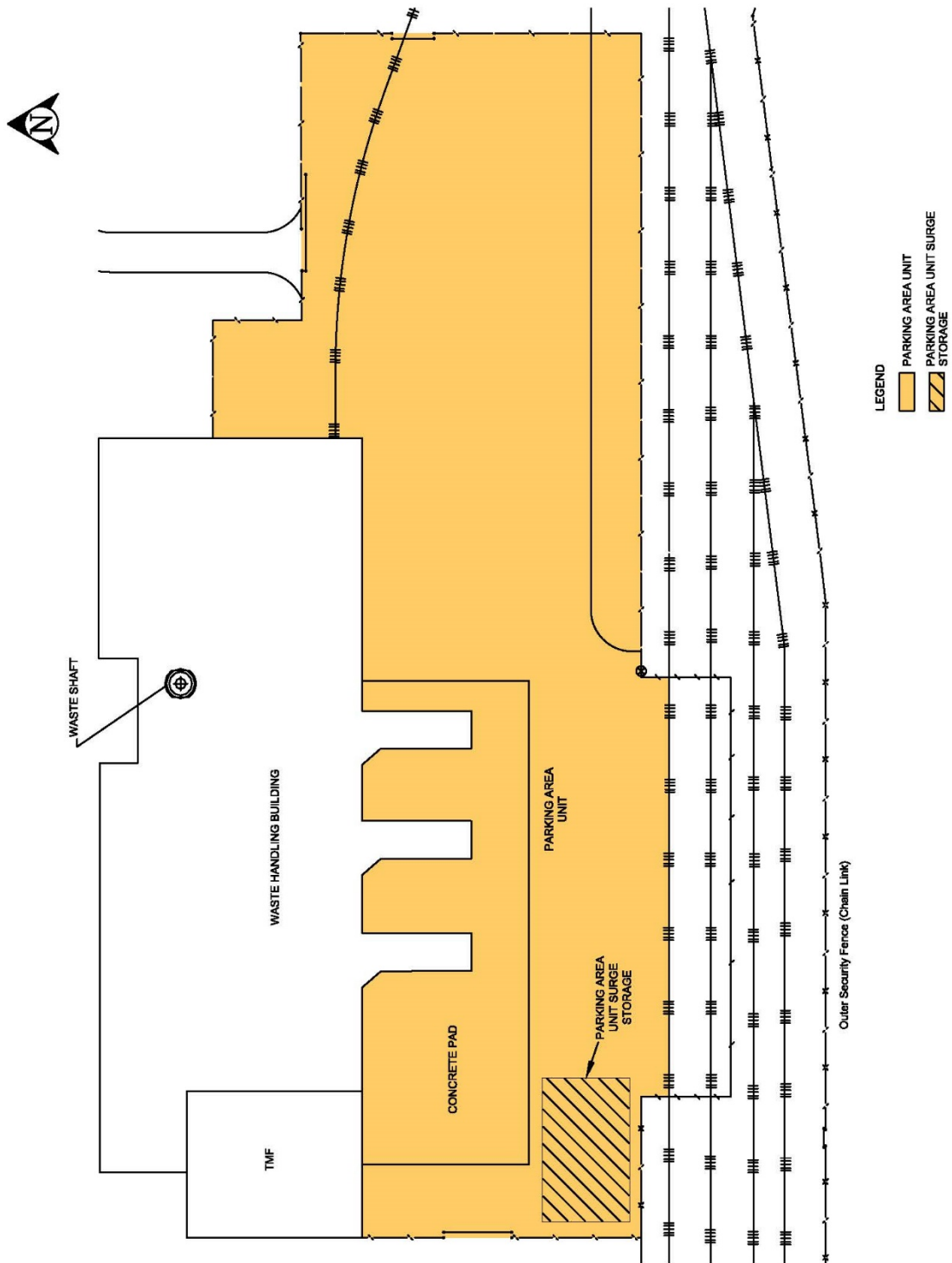


Figure B3-3
Parking Area Unit - TRU Mixed Waste Container Storage and Surge Areas

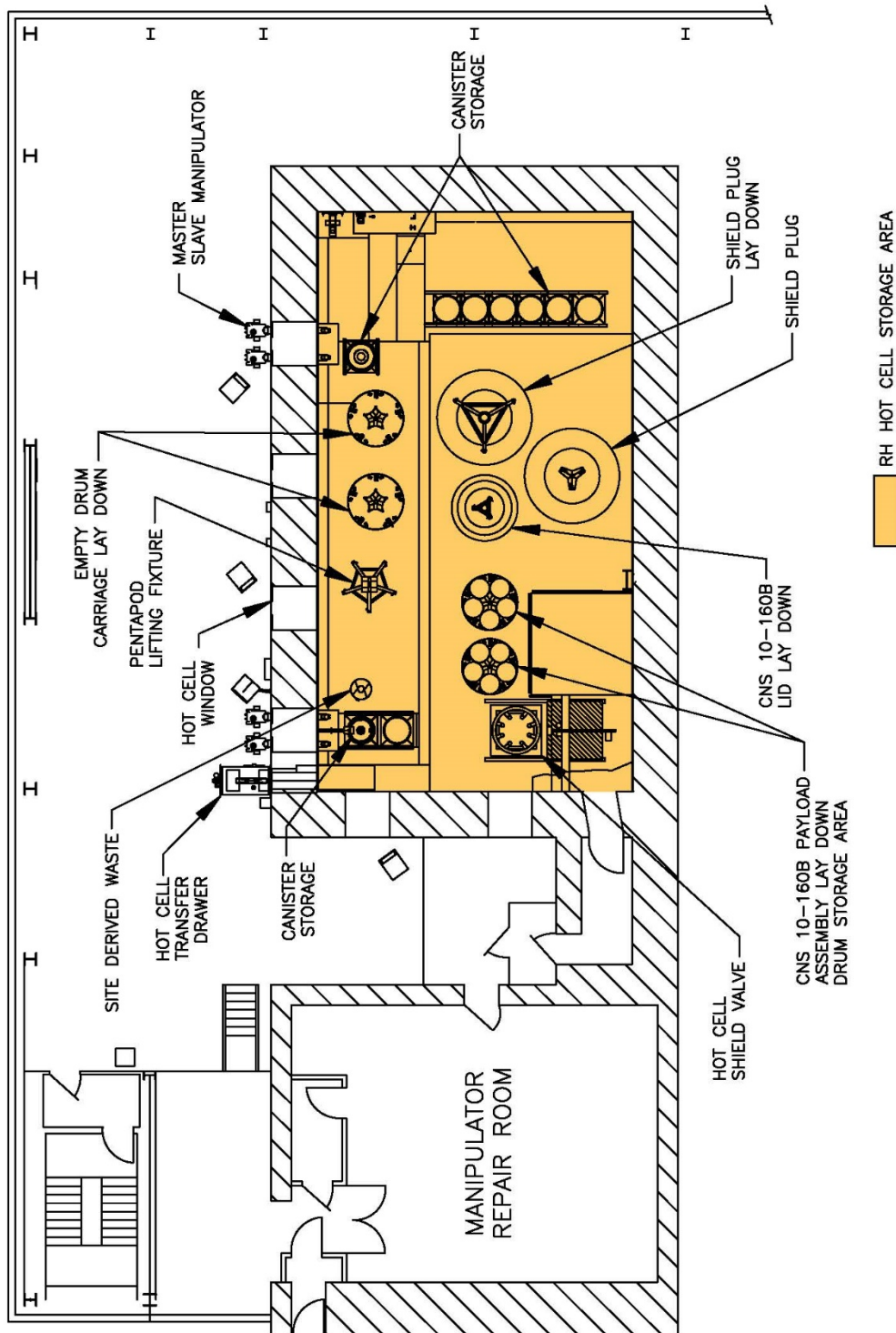


Figure B3-4
RH Hot Cell Storage Area

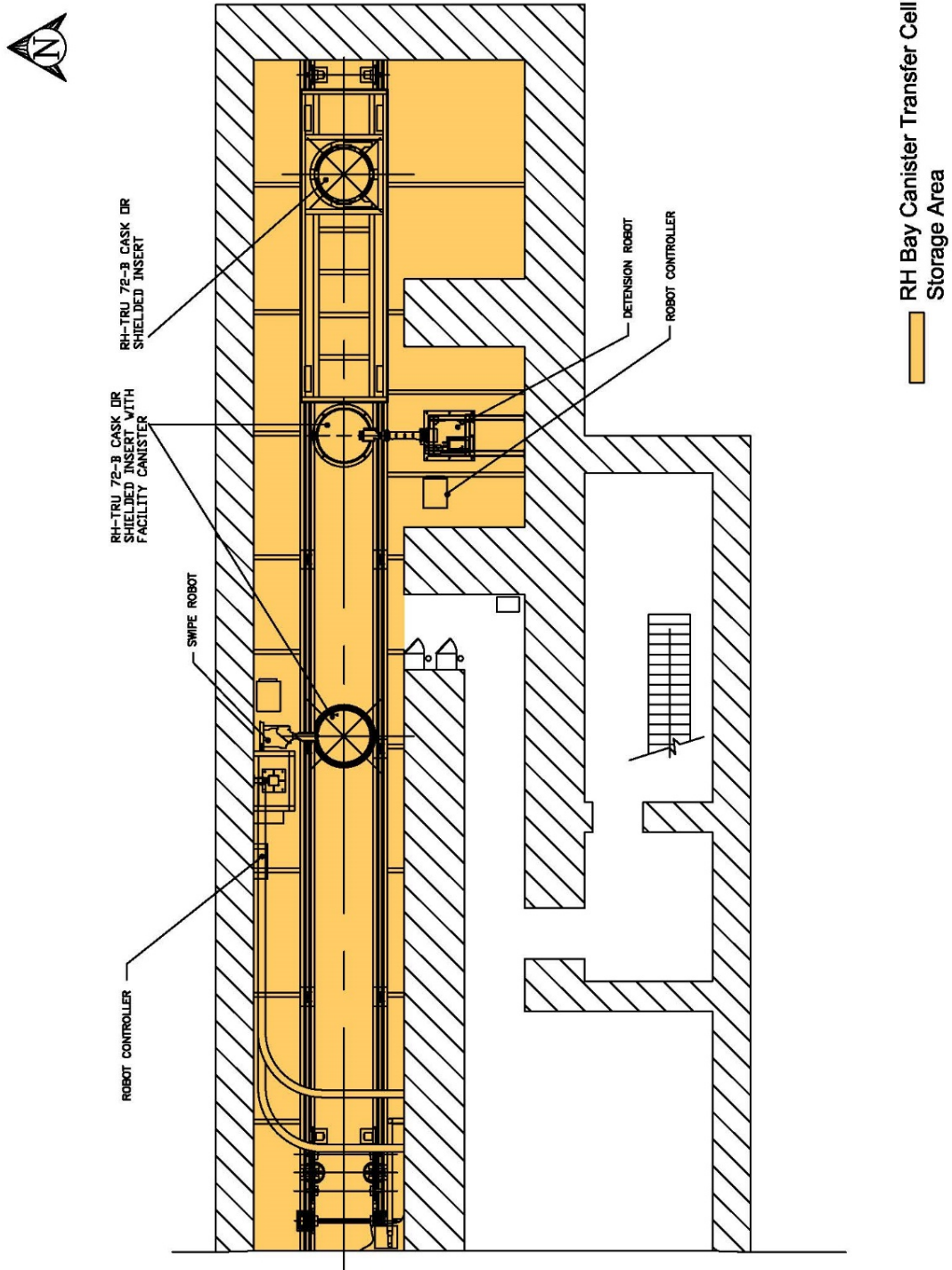
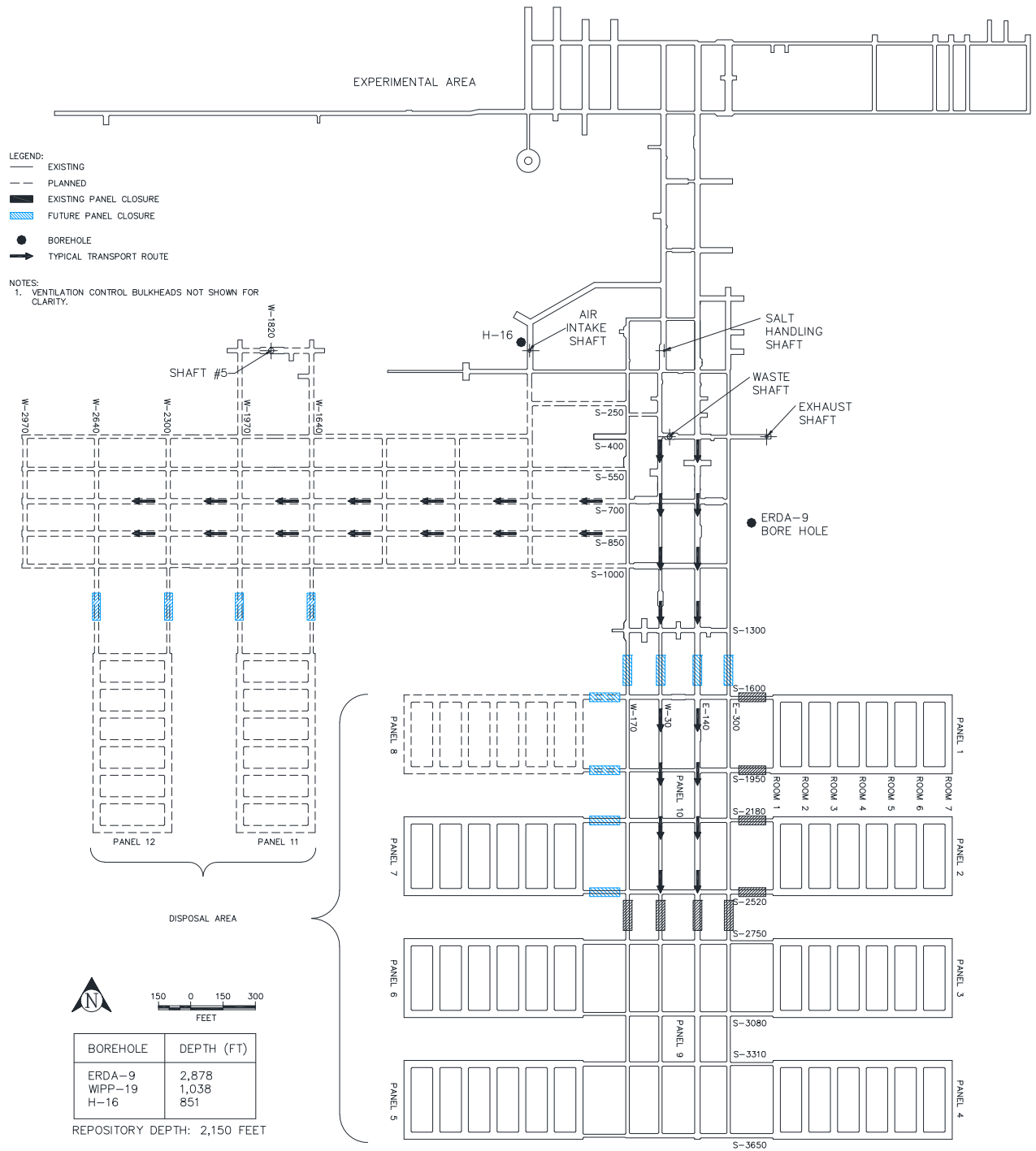


Figure B3-5
RH Canister Transfer Cell Storage Area and Waste Transport Route

Waste Isolation Pilot Plant
 Hazardous Waste Facility Permit
 Attachment B
 August 15, 2023 Proposed Final Permit

● WIPP-19



**Figure B3-6
 Repository Horizon**

Waste Isolation Pilot Plant
 Hazardous Waste Facility Permit
 Attachment B
 August 15, 2023 Proposed Final Permit

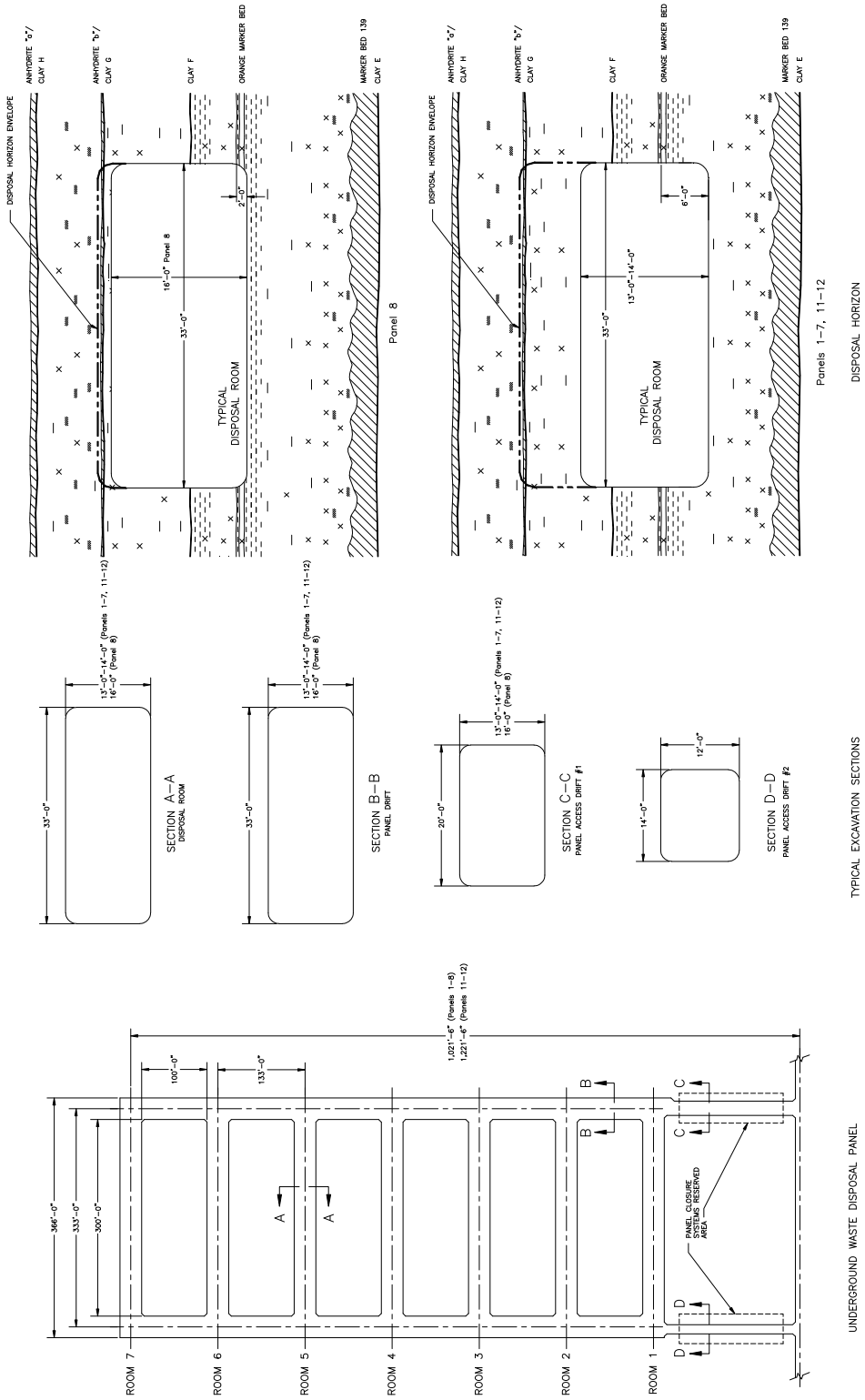


Figure B3-7
Typical Disposal Panel

**APPENDIX B4
PHOTOGRAPHS**



Figure B4-1
Aerial Photograph of the Waste Isolation Pilot Plant



Figure B4-2
Underground - Panel 7 - Panel Entry



Figure B4-3
Aerial Photograph of the Waste Handling Building



Figure B4-4
TRUDOCK (East) in CH Bay of the Waste Handling Building



Figure B4-5
NE Corner of CH Bay of the Waste Handling Building



Figure B4-6
Waste Shaft Conveyance - Loading Facility Pallet with CH Waste, Waste Handling Building



Figure B4-7
RH Bay



Figure B4-8
Cask Unloading Room and Bridge Crane

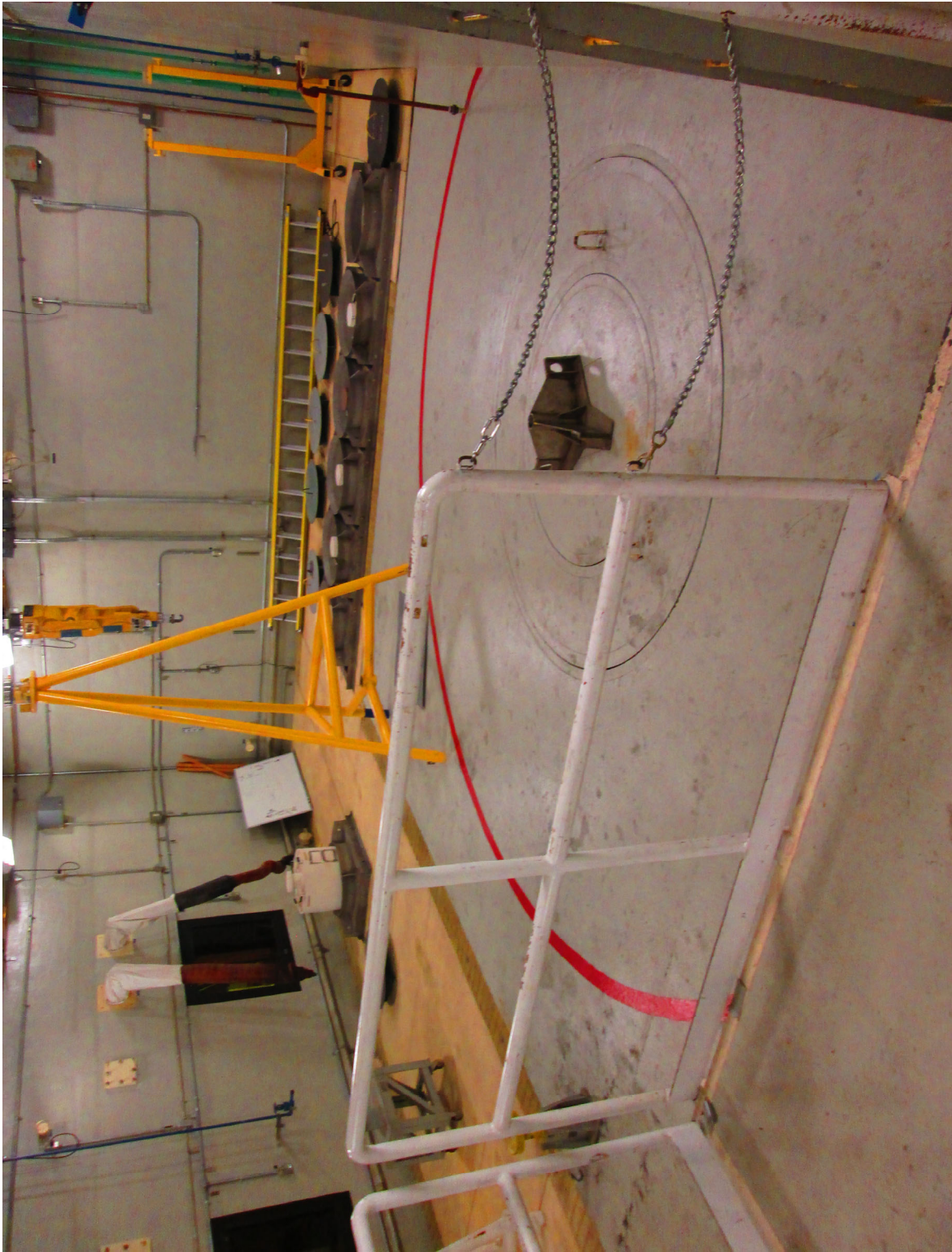


Figure B4-9
Hot Cell



Figure B4-10
Transfer Cell



Figure B4-11
Facility Cask Loading Room and Facility Cask Rotating Device