

ATTACHMENT B
HAZARDOUS WASTE PERMIT APPLICATION PART A

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ATTACHMENT B
HAZARDOUS WASTE PERMIT APPLICATION PART A

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

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 an on-going regulated activity that will continue for a period of time. (Includes HSM activity)
<input type="checkbox"/>	Submitting as a component of the Hazardous Waste Report for _____ (Reporting Year)
<input type="checkbox"/>	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)
<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 Form

2. Site EPA ID Number

N	M	4	8	9	0	1	3	9	0	8	8
---	---	---	---	---	---	---	---	---	---	---	---

3. Site Name

Waste Isolation Pilot Plant

4. Site Location Address

Street Address 30 miles east of Carlsbad on Jal Highway	
City, Town, or Village Carlsbad	County Eddy
State NM	Country USA Zip Code 88221

5. Site Mailing Address

Same as Location 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
----------------------------------	---------------------------------	-----------------------------------	---	---------------------------------	------------------------------------	--------------------------------	--------------------------------

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

8. Site Contact Information

Same as Location Address

First Name	Reinhard	MI	Last Name	Knerr	
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	Reinhard.Knerr@cbfo.doe.gov				
Phone	(575) 234-7300	Ext		Fax	(575) 234-7694

9. Legal Owner and Operator of the Site

A. Name of Site's Legal Owner

Same as Location Address

Full Name	Date Became Owner (mm/dd/yyyy)
U.S. Department of Energy	05/18/1981
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	Reinhard.Knerr@cbfo.doe.gov
Phone	(575) 234-7300
Ext	
Fax	(575) 234-7694
Comments	

B. Name of Site's Legal Operator

Same as Location Address

Full Name	Date Became Operator (mm/dd/yyyy)
U.S. Department of Energy	05/18/1981
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	Reinhard.Knerr@cbfo.doe.gov
Phone	(575) 234-7300
Ext	
Fax	(575) 234-7694
Comments See Item 18, Comments, for additional operator.	

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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	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 (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.
<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.
If "Yes" above, indicate other generator activities in 2 and 3, as applicable.		
<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.	
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	3. Mixed Waste (hazardous and radioactive) Generator	
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	4. Treater, Storer or Disposer of Hazardous Waste—Note: A hazardous waste Part B permit is required for these activities.	
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	5. Receives Hazardous Waste from Off-site	
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	6. 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	7. 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.

EPA ID Number **N M 4 8 9 0 1 3 9 0 8 8** OMB# 2050-0024; Expires 05/31/2020

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. Other (specify) _____
<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

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

<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
<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 univer-
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	B. Withdrawing from 40 CFR 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 VSQGs 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)

16. Notification of Hazardous Secondary Material (HSM) Activity

<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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

<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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?
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Waste Isolation Pilot Plant
 Hazardous Waste Permit
 August 2020/October 2021

EPA ID Number

N	M	4	8	9	0	1	3	9	0	8	8
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18. Comments (include item number for each comment)

Section 9.B (continued):		
Full Name: Nuclear Waste Partnership LLC		
Date Became Operator (mm/dd/yyyy): 10/01/2012		
Operator Type: Private		
Street Address: P.O. Box 2078		
City, Town, or Village: Carlsbad		
State: NM	Country: USA	Zip Code: 88221
Email: Sean.Dunagan@wipp.ws		
Phone: (575) 234-7400	Ext:	Fax: (575) 234-7046
Section 10.B (continued): F009, P015, P030, P098, P099, P106, P120, U002, U003, U019, U037, U043,		
U044, U052, U070, U072, U078, U079, U103, U105, U108, U122, U133, U134, U151, U154, U159, U196,		
U209, U210, U220, U226, U228, U239		

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 Original Signature on File	Date (mm/dd/yyyy) 07/23/2020
Printed Name (First, Middle Initial Last) Reinhard Knerr	Title Manager, Carlsbad Field Office (CBFO)
Email Reinhard.Knerr@cbfo.doe.gov	
Signature of legal owner, operator or authorized representative Original Signature on File	Date (mm/dd/yyyy) 07/23/2020
Printed Name (First, Middle Initial Last) Sean Dunagan	Title Project Manager, Nuclear Waste Partnership LLC
Email Sean.Dunagan@wipp.ws	

EPA ID Number **N M 4 8 9 0 1 3 9 0 8 8** OMB# 2050-0024; Expires 05/31/2020

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)

05/18/1981

4. Other Environmental Permits

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

5. Nature of Business

The Waste Isolation Pilot Plant (WIPP) is a U.S. Department of Energy facility which entails receiving, unloading, and transferring radioactive mixed waste from the surface of the site to the underground hazardous waste management units. Waste is emplaced in an underground geologic repository horizon located in a deep-bedded salt formation approximately 2,150 feet beneath the surface.

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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	X	0	4	18000.00	C	002	Panels 1 and 2
2	X	0	4	18750.00	C	001	Panel 3
3	X	0	4	19106.00	C	001	Panel 4
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										(2) Process Description (if code is not entered in 7.D1)
							(1) Process Codes										
1	D	0	0	4	903	M	X	0	4	S	0	1	S	0	1		
2	D	0	0	5	484	M	X	0	4	S	0	1	S	0	1		
3	D	0	0	6	1819	M	X	0	4	S	0	1	S	0	1		
4	D	0	0	7	1248	M	X	0	4	S	0	1	S	0	1		
5	D	0	0	8	3246	M	X	0	4	S	0	1	S	0	1		
6	D	0	0	9	1727	M	X	0	4	S	0	1	S	0	1		
7	D	0	1	0	186	M	X	0	4	S	0	1	S	0	1		
8	D	0	1	1	1090	M	X	0	4	S	0	1	S	0	1		
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	002	Panels 7 and 8	
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, containment building, boiler, industrial furnace, or underground injection well with appropriate technical standards under 40 CFR Part 146, corrective action management unit, or unit eligible for research, development, and demonstration permit under 40 CFR §270.65. The WIPP 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 also meets the definition of debris waste. The debris categories include manufactured goods, biological materials, and naturally occurring geological materials. Approximately 70 percent of waste anticipated for disposal in the WIPP repository is categorized as debris waste. The geologic repository has been divided into ten discrete hazardous waste management units (HWMU), eight of which are permitted for disposal under 40 CFR Part 264, Subpart X.

For purposes of this application, all TRU waste is managed as though it were mixed. During the Disposal Phase of the facility, which is expected to last 25 years, 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 volume of the outermost disposal containers and cannot exceed 151,135 m³ for Panels 1 through 8. 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 ft³ (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 eight underground HWMUs in the geologic repository (i.e., miscellaneous unit) are shown in Item 6, *Process Codes and Design Capacities*. In addition, two 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, 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 Contact- and Remote-Handled Package trailers and the road cask trailers will be parked awaiting waste handling operations. The capacity of this unit is 50 Contact-Handled Packages and twelve Remote-Handled Packages with a combined TRU mixed waste volume of 242 m³.

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 Figures B3-2, B3-3, and B3-4.

During the ten-year period of the permit, a CH TRU mixed waste volume of up to 148,500 m³ could be emplaced in Panels 1 to 8 and an RH TRU mixed waste volume up to 2,635 m³ could be emplaced in Panels 4 to 8 for a total of 151,135 m³, as shown in Item 6, *Process Codes and Design Capacities*. Panels 9 and 10 will be constructed under the initial term of this permit. These latter areas will not receive waste for disposal under this permit.

- 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 Reinhard Knerr
28 Title: Manager, Carlsbad Field Office (CBFO)
29 for: U.S. Department of Energy
30 Date: 7/23/2020

31 Co-Operator Signature: Original signed by Sean Dunagan
32 Title: Project Manager
33 for: Nuclear Waste Partnership LLC
34 Date: 7/23/2020
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**APPENDIX B1
OTHER ENVIRONMENTAL PERMITS**

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1

Active Environmental Permits and Approvals for the Waste Isolation Pilot Plant as of August 2019

	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 Aerosol Sampling Site	NM077921	08/18/89	08/18/19	Active
7.	Department of the Interior, Bureau of Land Management	Right-of-Way for Two Subsidence Monuments (S-37 and S-38)	NM082245	12/13/89	12/13/19	Active
8.	Department of the Interior, Bureau of Land Management	Right-of-Way for telephone cable	NM046092	09/04/81 (Valor Telecom)	12/31/40	Active
9.	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
10.	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
11.	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
12.	Department of the Interior, Bureau of Land Management	Right-of-Way for groundwater monitor wells/pads	NM108365	08/30/02	08/30/32	Active
13.	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
14.	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

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
15.	Department of the Interior, Bureau of Land Management	Right-of-Way for Monitoring Wells C-2723 (WIPP-25), C-2724 (WIPP-26), C-2722 (WIPP-27), C-2636 (WIPP-28), C-2743 (WIPP-29), & C-2727 (WIPP-30)	NM-6-5 Cooperative Agreement	07/14/78	None	P&A
16.	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
17.	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
18.	Department of Interior, Bureau of Land Management	Right of Way for South Access Road Fence	NM094304	03/15/95	None	Active
19.	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
20.	New Mexico Environment Department Groundwater Quality Bureau	Discharge Permit	DP-831	07/29/14	07/29/19	Active Renewal in Process
21.	New Mexico Environment Department Air Quality Bureau	Operating Permit for two backup diesel generators	310-M-2	12/07/93	None	Active
22.	New Mexico Environment Department Petroleum Storage Tank Bureau	Petroleum Storage Tank Registration Certificate	Registration Number 1248 Facility Number 31539	07/01/19	06/30/20	Active
23.	Office of New Mexico State Engineer	Monitoring Well Exhaust Shaft Exploratory Borehole	C-2801	02/23/01	None	Inactive
24.	Office of New Mexico State Engineer	Monitoring Well Exhaust Shaft Exploratory Borehole	C-2802	02/23/01	None	Inactive
25.	Office of New Mexico State Engineer	Monitoring Well Exhaust Shaft Exploratory Borehole	C-2803	02/23/01	None	Inactive
26.	Office of New Mexico State Engineer	Monitoring Well C-2811	C-2811	03/02/01	None	Active
27.	Office of New Mexico State Engineer	Appropriation: WQSP-1 Well	C-2413	10/21/96	None	Active

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
28.	Office of New Mexico State Engineer	Appropriation: WQSP-2 Well	C-2414	10/21/96	None	Active
29.	Office of New Mexico State Engineer	Appropriation: WQSP-3 Well	C-2415	10/21/96	None	Active
30.	Office of New Mexico State Engineer	Appropriation: WQSP-4 Well	C-2416	10/21/96	None	Active
31.	Office of New Mexico State Engineer	Appropriation: WQSP-5 Well	C-2417	10/21/96	None	Active
32.	Office of New Mexico State Engineer	Appropriation: WQSP-6 Well	C-2418	10/21/96	None	Active
33.	Office of New Mexico State Engineer	Appropriation: WQSP-6a Well	C-2419	10/21/96	None	Active
34.	Office of New Mexico State Engineer	Monitoring Well AEC-7	C-2742	11/06/00	None	P&A
35.	Office of New Mexico State Engineer	Monitoring Well AEC-8	C-2744	11/06/00	None	P&A
36.	Office of New Mexico State Engineer	Monitoring Well CB-1	C-2664	07/30/99	None	Active
37.	Office of New Mexico State Engineer	Monitoring Well DOE-1	C-2757	11/06/00	None	P&A
38.	Office of New Mexico State Engineer	Monitoring Well DOE-2	C-2682	04/17/00	None	Active
39.	Office of New Mexico State Engineer	Monitoring Well ERDA-9	C-2752	11/06/00	None	Active
40.	Office of New Mexico State Engineer	Monitoring Well H-1	C-2765	11/06/00	None	P&A
41.	Office of New Mexico State Engineer	Monitoring Well H-2a	C-2762	11/06/00	None	P&A
42.	Office of New Mexico State Engineer	Monitoring Well H-2b1	C-2758	11/06/00	None	Active
43.	Office of New Mexico State Engineer	Monitoring Well H-2b2	C-2763	11/06/00	None	Active

	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-2c	C-2759	11/06/00	None	P&A
45.	Office of New Mexico State Engineer	Monitoring Well H-3b1	C-2764	11/06/00	None	Active
46.	Office of New Mexico State Engineer	Monitoring Well H-3b2	C-2760	11/06/00	None	Active
47.	Office of New Mexico State Engineer	Monitoring Well H-3b3	C-2761	11/06/00	None	P&A
48.	Office of New Mexico State Engineer	Monitoring Well H-3d	C-3207	11/06/00	None	Active
49.	Office of New Mexico State Engineer	Monitoring Well H-4a	C-2725	11/06/00	None	P&A
50.	Office of New Mexico State Engineer	Monitoring Well H-4b	C-2775	11/06/00	None	P&A
51.	Office of New Mexico State Engineer	Monitoring Well H-4c	C-2776	11/06/00	None	Active
52.	Office of New Mexico State Engineer	Monitoring Well H-5a	C-2746	11/06/00	None	P&A
53.	Office of New Mexico State Engineer	Monitoring Well H-5b	C-2745	11/06/00	None	Active
54.	Office of New Mexico State Engineer	Monitoring Well H-5c	C-2747	11/06/00	None	Active
55.	Office of New Mexico State Engineer	Monitoring Well H-6a	C-2751	11/06/00	None	P&A
56.	Office of New Mexico State Engineer	Monitoring Well H-6b	C-2749	11/06/00	None	P&A
57.	Office of New Mexico State Engineer	Monitoring Well H-6c	C-2750	11/06/00	None	Active
58.	Office of New Mexico State Engineer	Monitoring Well H-7a	C-2694	04/17/00	None	P&A
59.	Office of New Mexico State Engineer	Monitoring Well H-7b1	C-2770	11/06/00	None	Active

	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 H-7b2	C-2771	11/06/00	None	P&A
61.	Office of New Mexico State Engineer	Monitoring Well H-8a	C-2780	11/06/00	None	Active
62.	Office of New Mexico State Engineer	Monitoring Well H-9a	C-2785	11/06/00	None	P&A
63.	Office of New Mexico State Engineer	Monitoring Well H-9b	C-2783	11/06/00	None	P&A
64.	Office of New Mexico State Engineer	Monitoring Well H-9c	C-2784	11/06/00	None	Active
65.	Office of New Mexico State Engineer	Monitoring Well H-10a	C-2779	11/06/00	None	Active
66.	Office of New Mexico State Engineer	Monitoring Well H-10b	C-2778	11/06/00	None	P&A
67.	Office of New Mexico State Engineer	Monitoring Well H-10c	C-2695	04/17/00	None	P&A
68.	Office of New Mexico State Engineer	Monitoring Well H-11b1	C-2767	11/06/00	None	P&A
69.	Office of New Mexico State Engineer	Monitoring Well H-11b2	C-2687	04/17/00	None	Active
70.	Office of New Mexico State Engineer	Monitoring Well H-11b3	C-2768	11/06/00	None	P&A
71.	Office of New Mexico State Engineer	Monitoring Well H-11b4	C-2769	11/06/00	None	P&A
72.	Office of New Mexico State Engineer	Monitoring Well H-12	C-2777	11/06/00	None	P&A
73.	Office of New Mexico State Engineer	Monitoring Well H-14	C-2766	11/06/00	None	Active
74.	Office of New Mexico State Engineer	Monitoring Well H-15	C-2685	04/17/00	None	Active
75.	Office of New Mexico State Engineer	Monitoring Well H-16	C-2753	11/06/00	None	Active

Waste Isolation Pilot Plant
Hazardous Waste Permit
~~August 2020~~October 2021

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
76.	Office of New Mexico State Engineer	Monitoring Well H-17	C-2773	11/06/00	None	Active
77.	Office of New Mexico State Engineer	Monitoring Well H-18	C-2683	04/17/00	None	Active
78.	Office of New Mexico State Engineer	Monitoring Well H-19b0	C-2420	01/25/95	None	Active
79.	Office of New Mexico State Engineer	Monitoring Well H-19b1	C-2420	01/25/95	None	P&A
80.	Office of New Mexico State Engineer	Monitoring Well H-19b2	C-2421	01/25/95	None	Active
81.	Office of New Mexico State Engineer	Monitoring Well H-19b3	C-2422	01/25/95	None	Active
82.	Office of New Mexico State Engineer	Monitoring Well H-19b4	C-2423	01/25/95	None	Active
83.	Office of New Mexico State Engineer	Monitoring Well H-19b5	C-2424	01/25/95	None	Active
84.	Office of New Mexico State Engineer	Monitoring Well H-19b6	C-2425	01/25/95	None	Active
85.	Office of New Mexico State Engineer	Monitoring Well H-19b7	C-2426	01/25/95	None	Active
86.	Office of New Mexico State Engineer	Monitoring Well P-14	C-2637	01/02/99	None	P&A
87.	Office of New Mexico State Engineer	Monitoring Well P-15	C-2686	04/17/00	None	P&A
88.	Office of New Mexico State Engineer	Monitoring Well P-17	C-2774	11/06/00	None	P&A
89.	Office of New Mexico State Engineer	Monitoring Well P-18	C-2756	11/06/00	None	P&A
90.	Office of New Mexico State Engineer	Monitoring Well WIPP-12	C-2639	01/12/99	None	P&A
91.	Office of New Mexico State Engineer	Monitoring Well WIPP-13	C-2748	11/06/00	None	Active

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
92.	Office of New Mexico State Engineer	Monitoring Well WIPP-18	C-2684	04/17/00	None	Active
93.	Office of New Mexico State Engineer	Monitoring Well WIPP-19	C-2755	11/06/00	None	Active
94.	Office of New Mexico State Engineer	Monitoring Well WIPP-21	C-2754	11/06/00	None	P&A
95.	Office of New Mexico State Engineer	Monitoring Well WIPP-25	C-2723	07/26/00	None	P&A
96.	Office of New Mexico State Engineer	Monitoring Well WIPP-26	C-2724	11/06/00	None	P&A
97.	Office of New Mexico State Engineer	Monitoring Well WIPP-27	C-2722	11/06/00	None	P&A
98.	Office of New Mexico State Engineer	Monitoring Well WIPP28	C-2636	01/12/99	None	P&A
99.	Office of New Mexico State Engineer	Monitoring Well WIPP-29	C-2743	11/06/00	None	P&A
100.	Office of New Mexico State Engineer	Monitoring Well WIPP-30	C-2727	08/04/00	None	P&A
101.	Office of New Mexico State Engineer	Monitoring Well H-6bR	C-3362	12/27/07	None	Active
102.	Office of New Mexico State Engineer	Monitoring Well H-15R	C-3361	12/27/07	None	Active
103.	Office of New Mexico State Engineer	Monitoring Well SNL-2	C-2948	02/14/03	None	Active
104.	Office of New Mexico State Engineer	Monitoring Well SNL-9	C-2950	02/14/03	None	Active
105.	Office of New Mexico State Engineer	Monitoring Well SNL-12	C-2954	02/25/03	None	Active
106.	Office of New Mexico State Engineer	Monitoring Well SNL-1	C-2953	02/25/03	None	Active
107.	Office of New Mexico State Engineer	Monitoring Well SNL-3	C-2949	02/14/03	None	Active

Waste Isolation Pilot Plant
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	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
108.	Office of New Mexico State Engineer	Monitoring Well SNL-5	C-3002	10/01/03	None	Active
109.	Office of New Mexico State Engineer	Monitoring Well IMC-461	C-3015	11/25/03	None	Active
110.	Office of New Mexico State Engineer	Monitoring Well SNL-10	C-3221	07/26/05	None	Active
111.	Office of New Mexico State Engineer	Monitoring Well SNL-16	C-3220	07/26/05	None	Active
112.	Office of New Mexico State Engineer	Monitoring Well SNL-17	C-3222	07/26/05	None	Active
113.	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
114.	US Fish and Wildlife Service	Special Purpose – Relocate	MB155189-0	05/01/17	12/31/20	Active
115.	New Mexico Department of Game and Fish	Biotic Collection Permit	Authorization # 3293	02/02/17	12/31/19	Active
116.	Office of New Mexico State Engineer	Monitoring Well H-4bR	C-3404	01/13/09	None	Active
117.	Office of New Mexico State Engineer	Monitoring Well H-9bR	C-2783-POD2	07/14/10	None	Active
118.	Office of New Mexico State Engineer	Monitoring Well C-2737	C-2737	09/27/00	None	Active
119.	Office of New Mexico State Engineer	Monitoring Well WIPP-11	C3112	12/27/07	None	Active
120.	Office of New Mexico State Engineer	Monitoring Well SNL-6	C-3151	02/10/05	None	Active
121.	Office of New Mexico State Engineer	Monitoring Well SNL-8	C-3150	02/10/05	None	Active
122.	Office of New Mexico State Engineer	Monitoring Well SNL-13	C-3139	12/17/04	None	Active

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
123.	Office of New Mexico State Engineer	Monitoring Well SNL-14	C-3140	12/17/04	None	Active
124.	Office of New Mexico State Engineer	Monitoring Well SNL-15	C-3152	02/10/05	None	Active
125.	Office of New Mexico State Engineer	Monitoring Well SNL-18	C-3233	10/06/05	None	Active
126.	Office of New Mexico State Engineer	Monitoring Well SNL-19	C-3234	10/06/05	None	Active
127.	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
128.	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
129.	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
130.	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
131.	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
132.	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
133.	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
134.	Office of New Mexico State Engineer	Monitoring Well H-11b4R	C-2769-POD2	05/16/11	None	Active
135.	Office of New Mexico State Engineer	Monitoring Well AEC-7R	C-3635	04/24/13	None	Active
136.	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
137.	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
138.	Office of New Mexico State Engineer	Monitoring Well H-12R	C-3749 POD1	06/24/14	None	Active

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 Hazardous Waste Permit
~~August 2020~~October 2021

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
139.	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
140.	Office of New Mexico State Engineer	Monitoring Well H-10cR	C-3851	07/09/15	None	Active
141.	New Mexico State Land Office	Water Monitoring Easement for SNL-1	WM-120	07/20/18	08/21/22	Active
142.	New Mexico State Land Office	Water Monitoring Easement for SNL-3	WM-119	07/20/18	08/21/22	Active
143.	U.S. Department of the Interior, Bureau of Land Management	Seismic Monitoring Stations	NM-120413	07/10/08	12/31/37	Active
144.	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
- 2 P&A=Plugged and Abandoned

**APPENDIX B2
MAPS**

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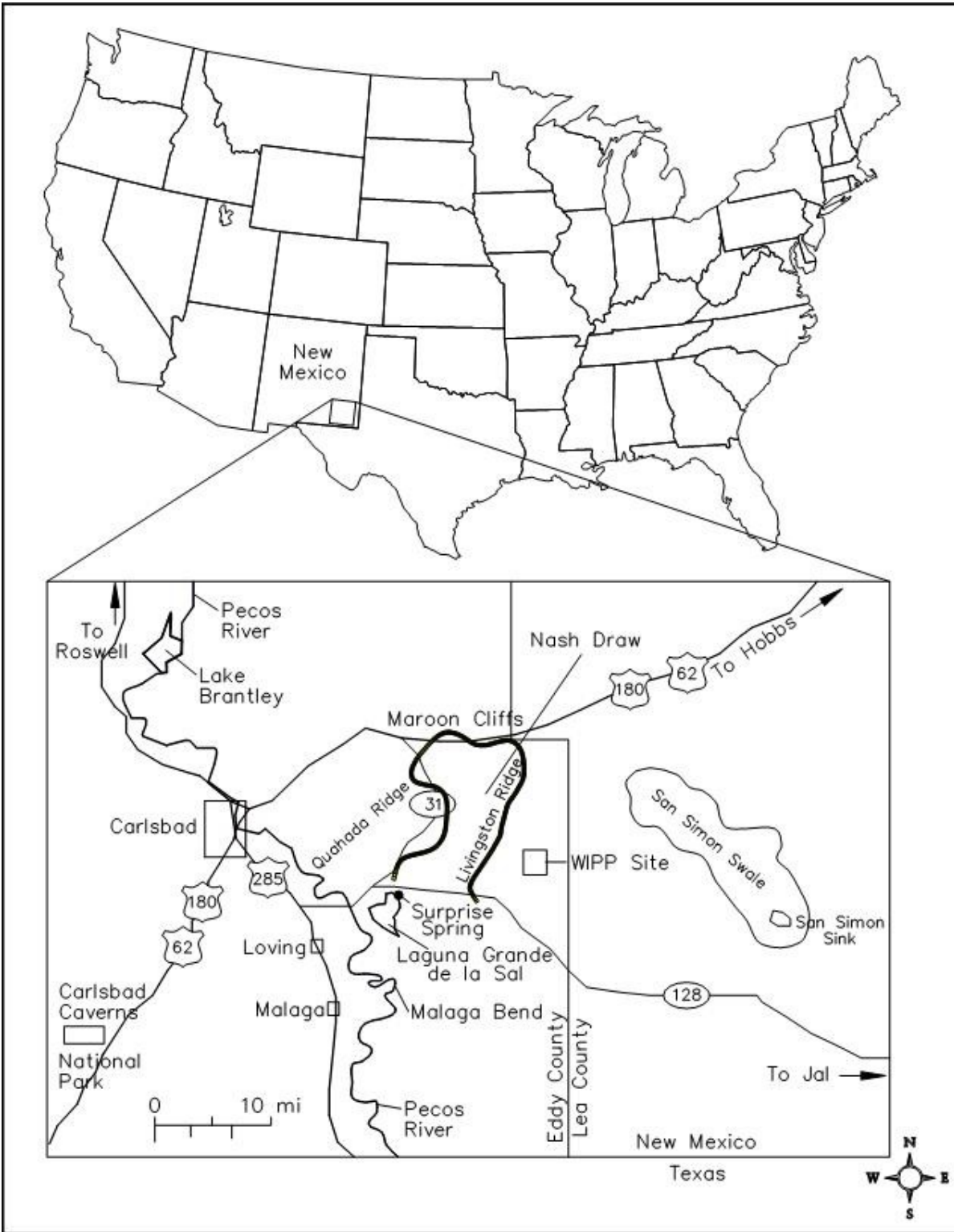
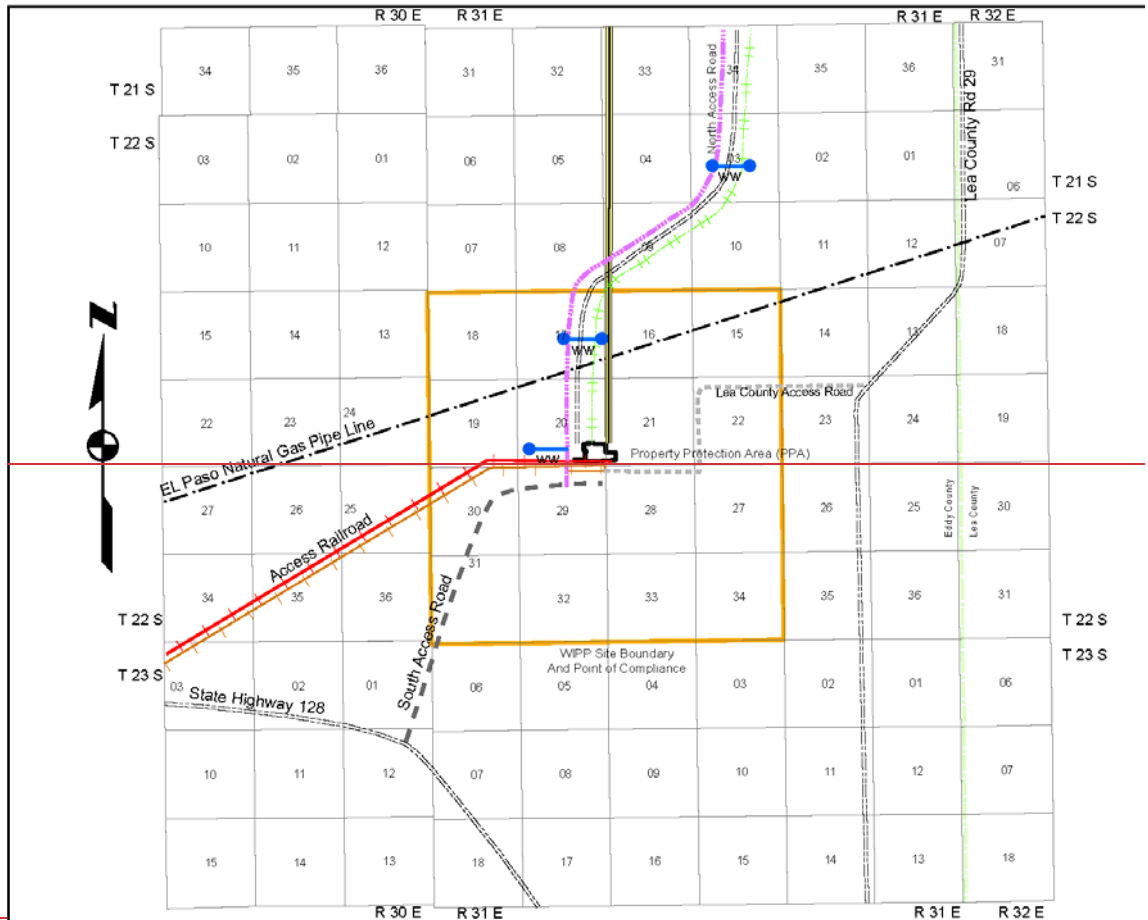


Figure B2-1
General Location of the WIPP Facility



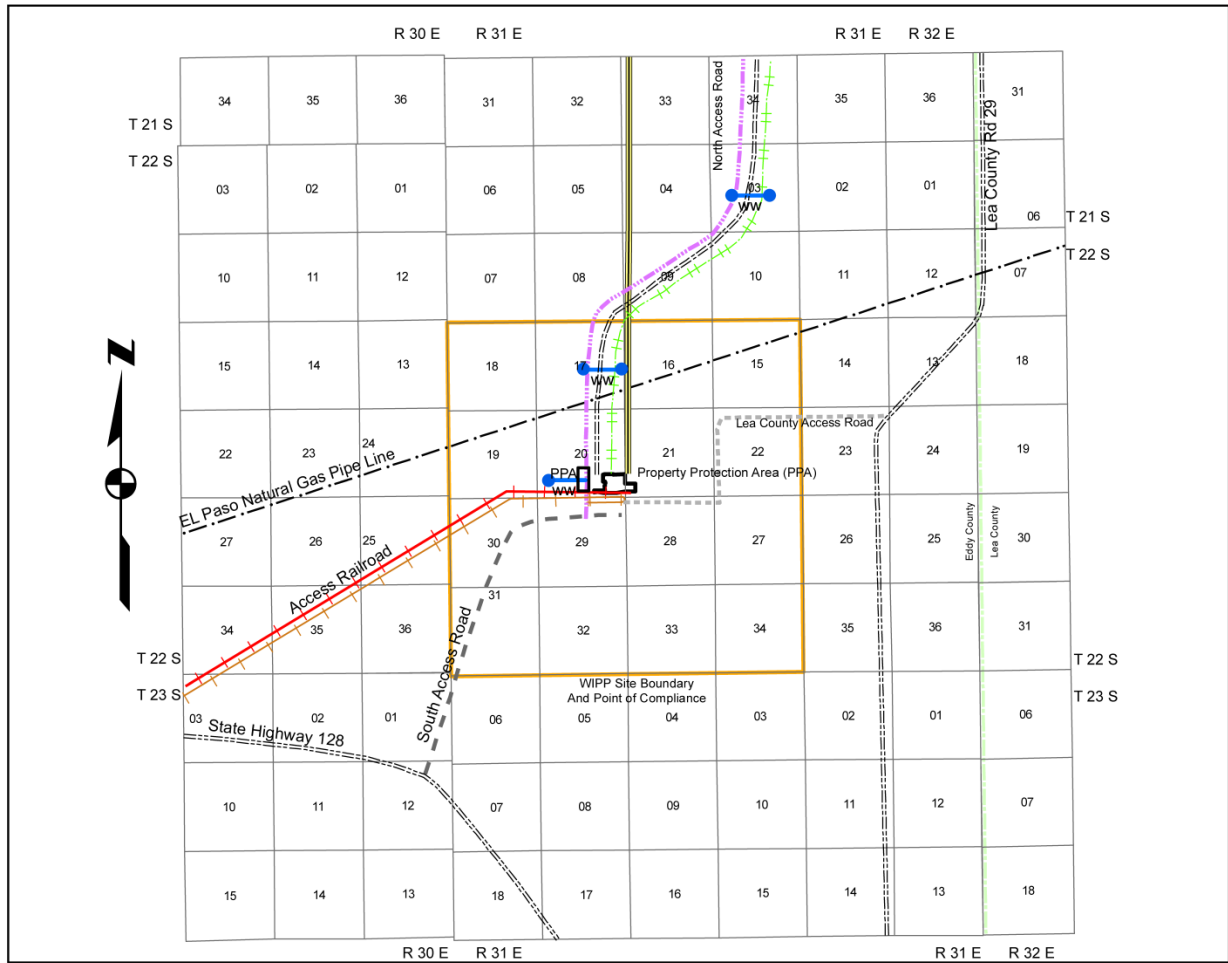


Figure B2-2
Planimetric Map-WIPP Facility Boundaries

Legend



WIPP Site Boundary 10,240 Acres.



U.S. DOE Right of Way Number NM-53809. For Waterline, 50 Feet Wide.
The DOE had Agreed with the City of Carlsbad to Allow the Individuals to Tap this Line Located within the North Access Road Right of Way.



Tap Lines Connected to the Main WIPP Waterline.



Stock Water Tanks.



Southwestern Public Service Company Right of Way Number NM-43203 for Power 60 Feet Wide.



General Telephone of the Southwest Right of Way for Telephone Line, 30 Feet Wide Located within the North Access Road Right of Way.



~~General Telephone of the Southwest Right of Way Number NM-60174 for Telephone Line, 30 Feet Wide, Located within the Railroad Right of Way.~~



U.S. DOE Right of Way Number NM-55675 for North Access Road, 170 Feet Wide



U.S. DOE Right of Way for Access Roads Includes Right of Way Number NM-123; for the South Access Road, 140 Feet Wide.



El Paso Natural Gas Company Right of Way for Gas Pipeline, 30 Feet Wide in Section 16, 50 Feet Wide Elsewhere.














U.S. DOE Right of Way Number NM-55699 for Access Railroad, 150 Feet Wide.

NOTES

1. The Property Protection Area is a fenced area of approximately 34 acres without the New Building (NFB) and approximately 44 acres with the NFB. It contains all surface facilities with exception of salt storage piles, parking lot, landfill and waste water stabilization lagoons.
2. WIPP Site Boundary (WSB) provides a one mile buffer area around the area available for underground development

Legend

-  WIPP Site Boundary 10,240 Acres.
-  U.S. DOE Right of Way Number NM-53809. For Waterline, 50 Feet Wide.
The DOE had Agreed with the City of Carlsbad to Allow the Individuals to Tap this Line Located within the North Access Road Right of Way.
-  Tap Lines Connected to the Main WIPP Waterline (ww).
-  Stock Water Tanks.
-  Southwestern Public Service Company Right of Way Number NM-43203 for Power 60 Feet Wide.
-  General Telephone of the Southwest Right of Way for Telephone Line, 30 Feet Wide, Located within the North Access Road Right of Way.
-  General Telephone of the Southwest Right of Way Number NM-60174 for Telephone Line, 30 Feet Wide, Located within the Railroad Right of Way.
-  U.S. DOE Right of Way Number NM-55675 for North Access Road, 170 Feet Wide.
-  U.S. DOE Right of Way for Access Roads Includes Right of Way Number NM-123703 for the South Access Road, 140 Feet Wide.
-  El Paso Natural Gas Company Right of Way for Gas Pipeline, 30 Feet Wide in Section 16, 50 Feet Wide Elsewhere.
-  U.S. DOE Right of Way Number NM-55699 for Access Railroad, 150 Feet Wide.

NOTES

1. The Property Protection Area is a fenced area of approximately 34 acres without the New Filter Building (NFB) and approximately 44 acres with the NFB. It contains all surface facilities with the exception of salt storage piles, parking lot, landfill and waste water stabilization lagoons.
2. An additional Property Protection Area of approximately 22 acres surrounds shaft #5.
3. WIPP Site Boundary (WSB) provides a one mile buffer area around the area available for underground development

Figure B2-2a
Legend to Figure B2-2

**Replace this page with the Topographic Map
from the earlier version of the draft Permit**

**Figure B2-3
Topographic Map**

**APPENDIX B3
FACILITIES**

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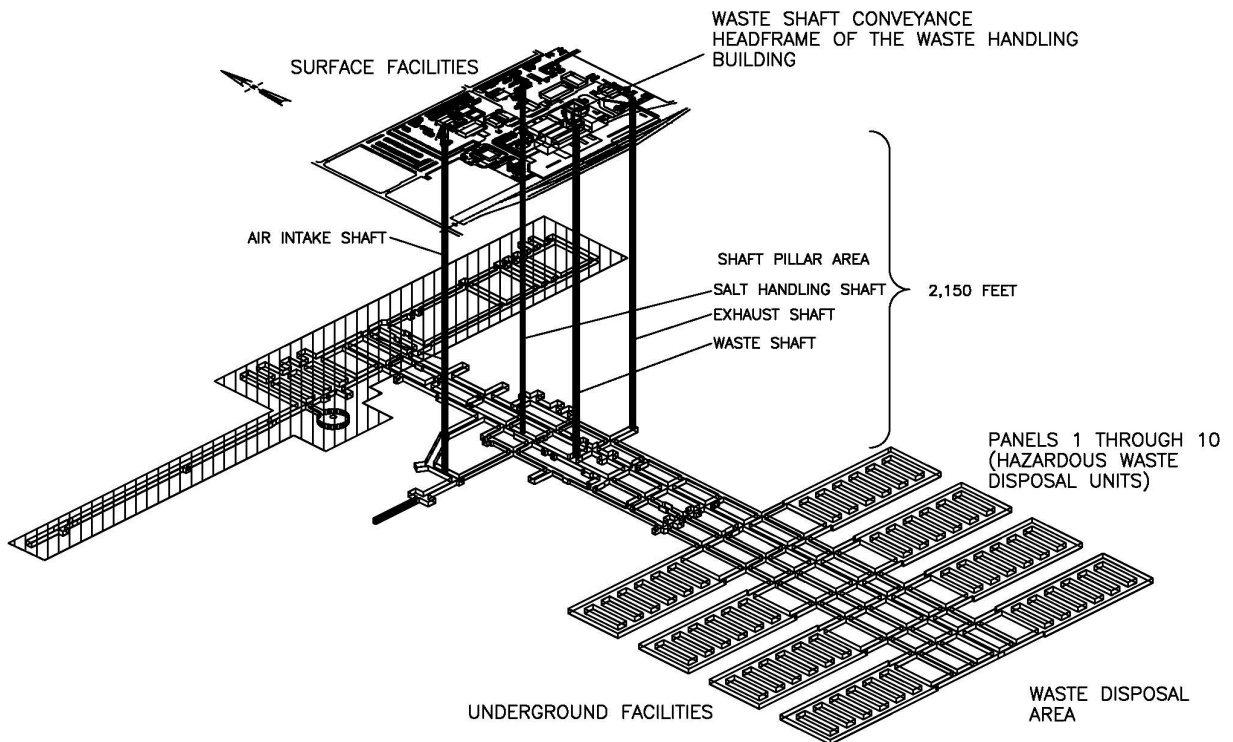


Figure B3-1
Spatial View of the WIPP Facility

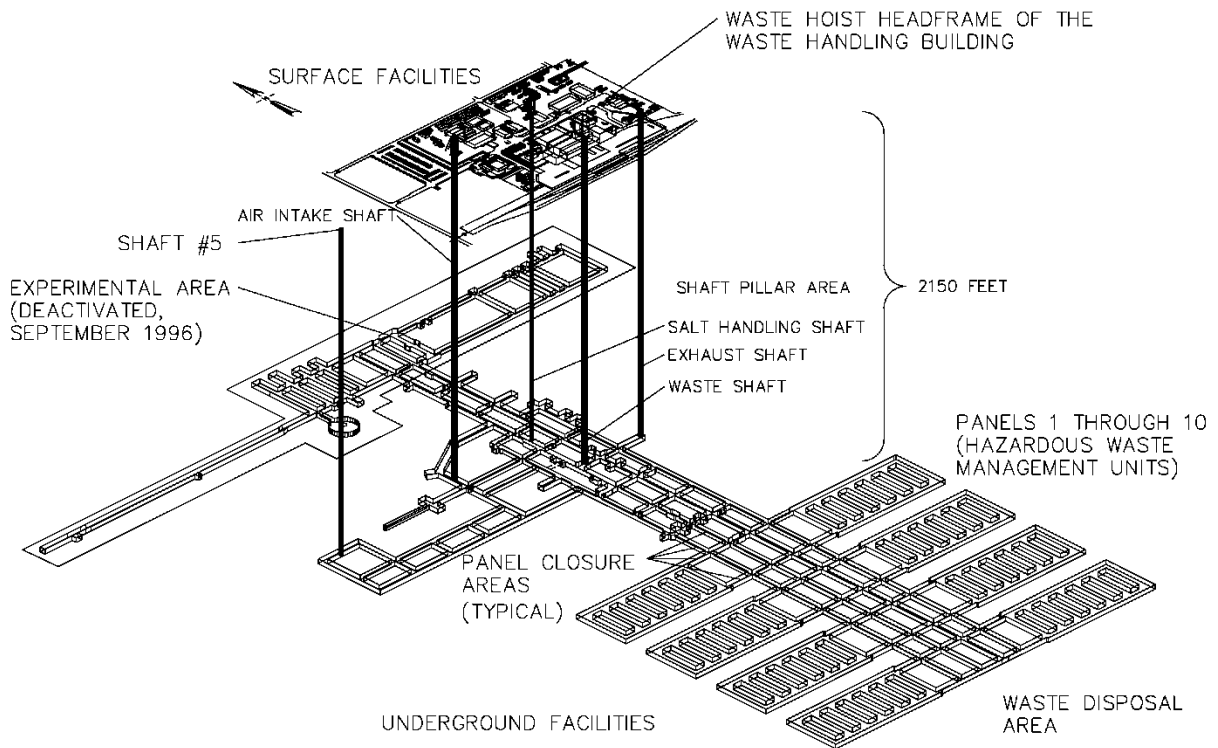
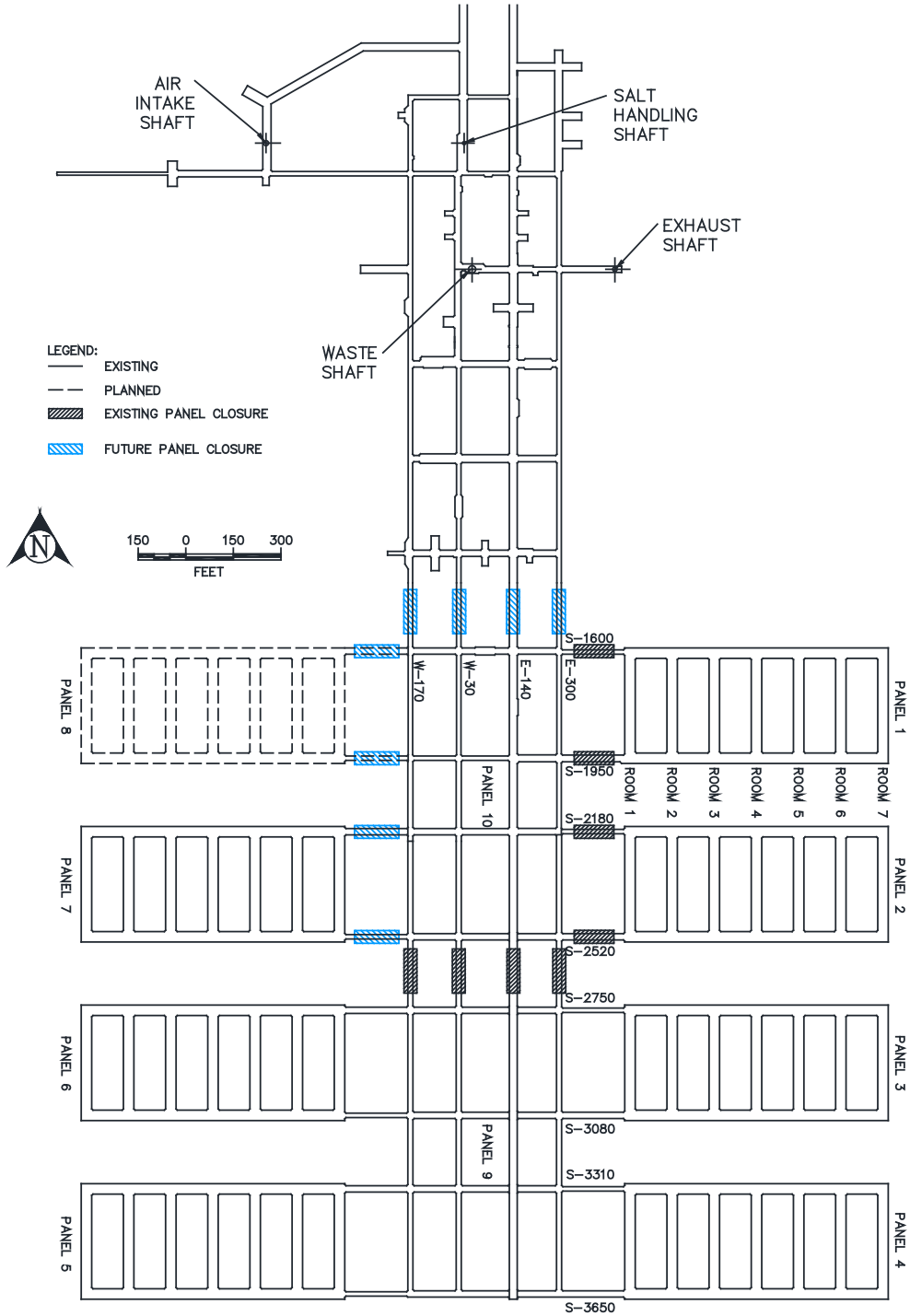
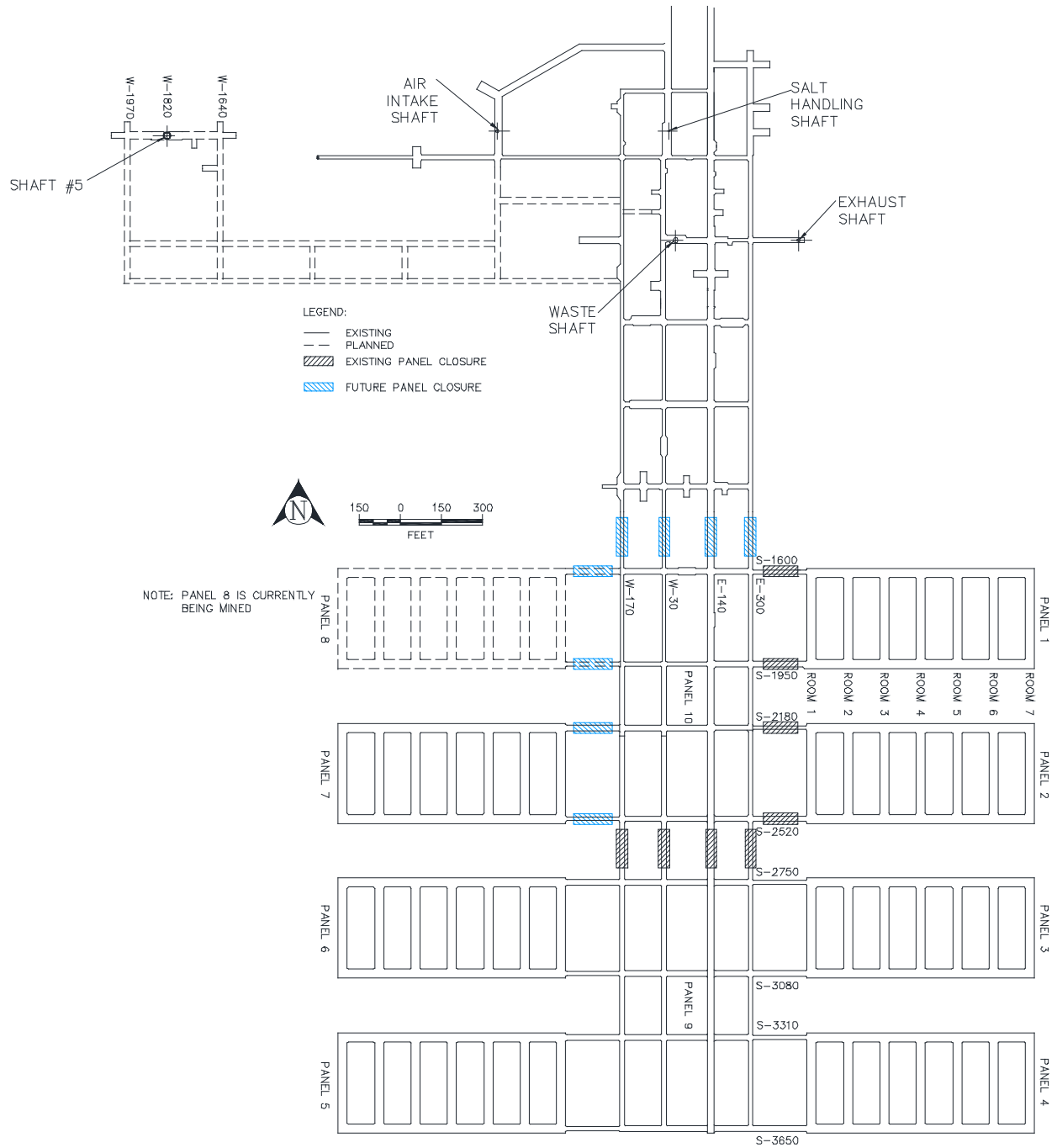


Figure B3-1-S#5
Spatial View of the WIPP Facility (with S#5)





**Figure B3-2
 Repository Horizon**

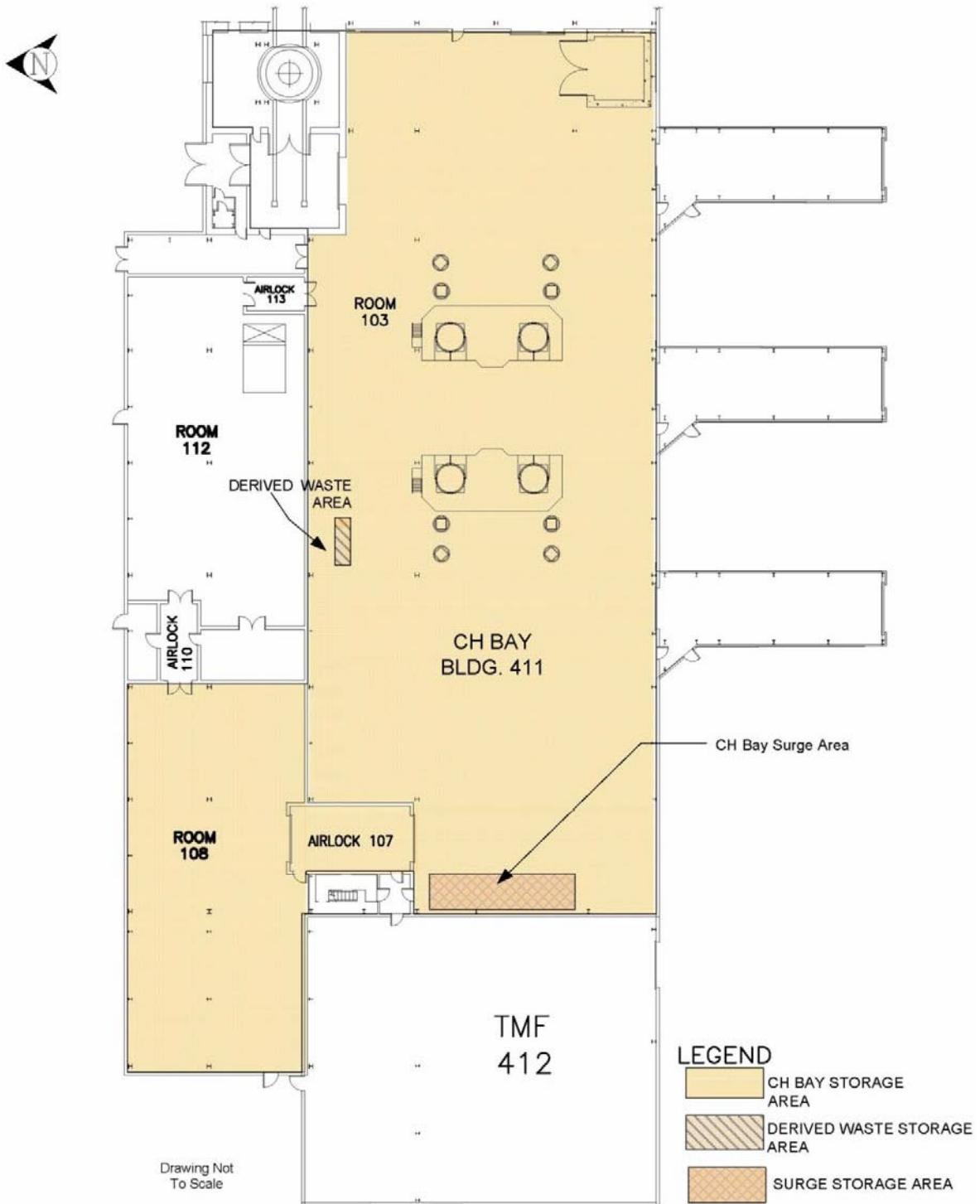


Figure B3-3
Waste Handling Building - CH TRU Mixed Waste Container Storage and Surge Areas

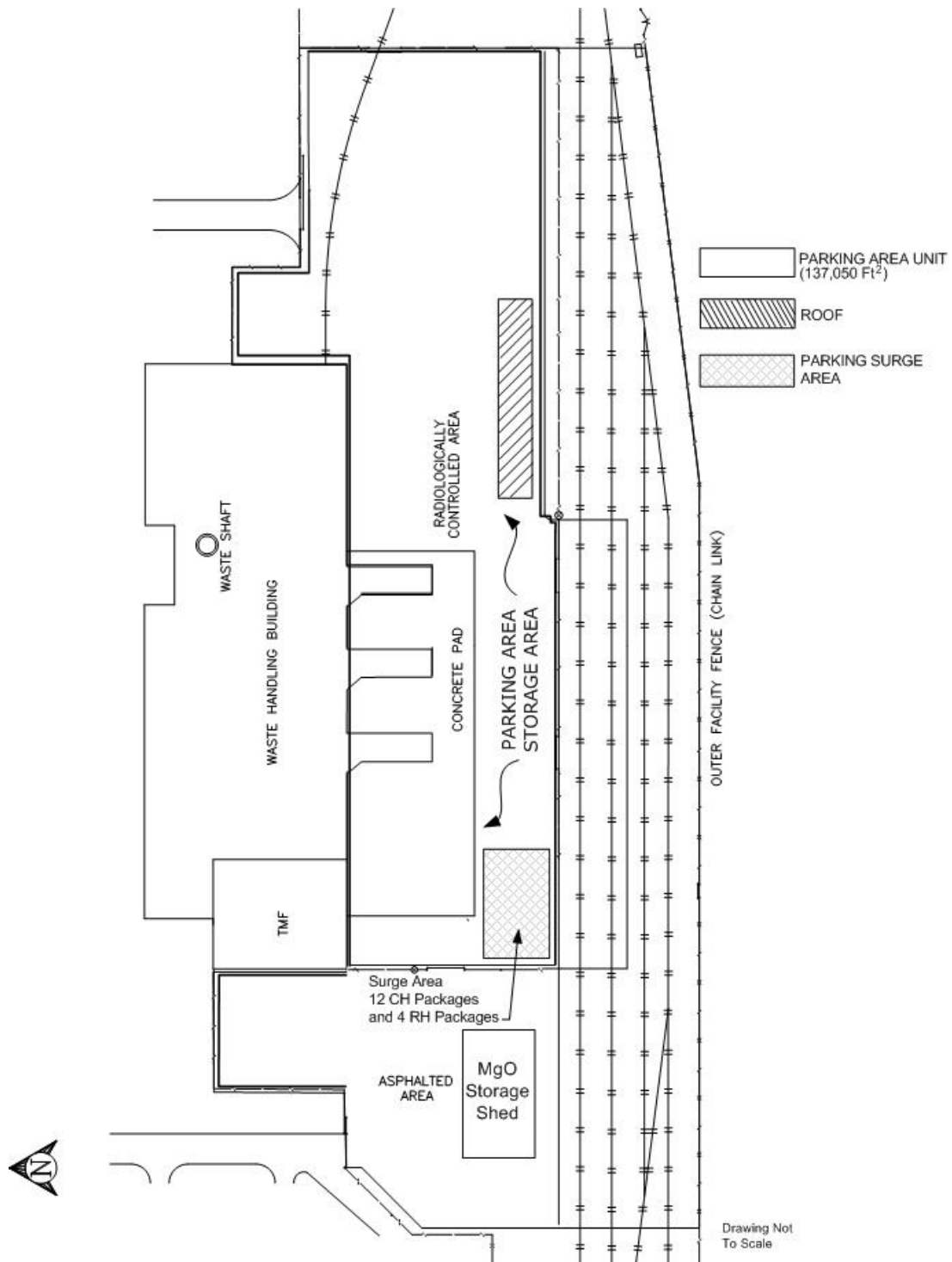


Figure B3-4
Parking Area-Container Storage and Surge Areas

**APPENDIX B4
PHOTOGRAPHS**

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



Figure B4-2
Underground - Panel One - Waste Disposal Room

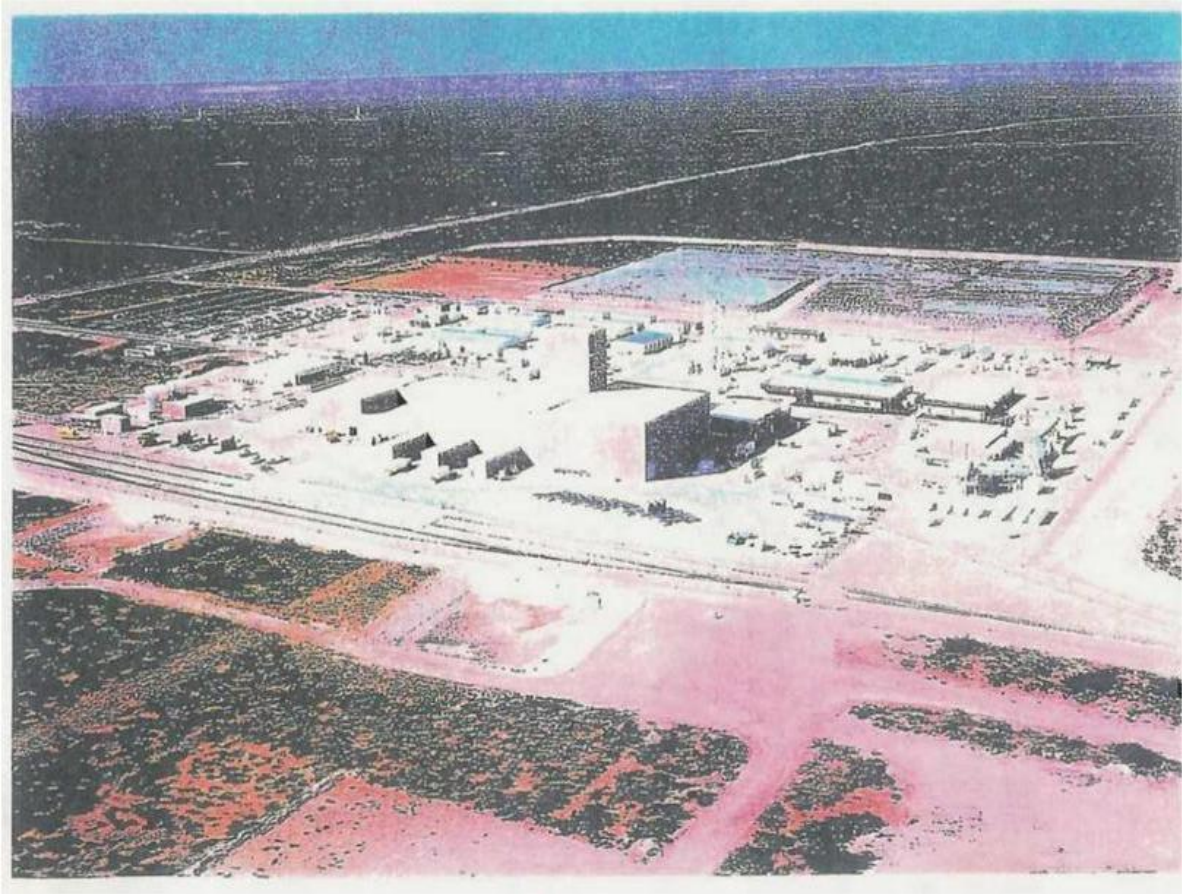


Figure B4-3
Aerial Photograph of the Waste Handling Building



Figure B4-4
TRUDOCKs in CH Bay of the Waste Handling Building



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



Figure B4-6
Westward View of CH Bay of the Waste Handling Building



Figure B4-7
Waste Shaft Conveyance - Loading Facility Pallet with CH Waste, Waste Handling Building



Figure B4-8
RH Bay (Photo Taken July 2000)



Figure B4-9
Cask Unloading Room and Bridge Crane



Figure B4-10
Hot Cell



Figure B4-11
Transfer Cell



Figure B4-12
Facility Cask Loading Room and Facility Cask Rotating Device