ATTACHMENT ~~O~~ B

HAZARDOUS WASTE PERMIT APPLICATION PART A

(This page intentionally blank)

ATTACHMENT ~~O~~ B

HAZARDOUS WASTE PERMIT APPLICATION PART A

TABLE OF CONTENTS

PART A - HAZARDOUS WASTE PERMIT APPLICATION 1

RCRA PART A APPLICATION CERTIFICATION 15

APPENDIX B1 OTHER ENVIRONMENTAL PERMITS 17

APPENDIX B2 MAPS 28
- Figure B2-1 General Location of the WIPP Facility 31
- Figure B2-2 Planimetric Map-WIPP Facility Boundaries 32
- Figure B2-2a Legend to Figure B2-2 33
- Figure B2-3 Topographic Map 34

APPENDIX B3 FACILITIES 35
- Figure B3-1 Spatial View of the WIPP Facility 37
- Figure B3-2 Repository Horizon 38
- Figure B3-3 Waste Handling Building - CH TRU Mixed Waste Container Storage and Surge Areas 39
- Figure B3-4 Parking Area-Container Storage and Surge Areas 40

APPENDIX B4 PHOTOGRAPHS 41
- Figure B4-1 Aerial Photograph of the Waste Isolation Pilot Plant 43
- Figure B4-2 Underground - Panel One - Waste Disposal Room 44
- Figure B4-3 Aerial Photograph of the Waste Handling Building 45
- Figure B4-4 TRUDOCKs in CH Bay of the Waste Handling Building 46
- Figure B4-5 NE Corner of CH Bay of the Waste Handling Building 47
- Figure B4-6 Westward View of CH Bay of the Waste Handling Building 48
- Figure B4-7 Waste Shaft Conveyance - Loading Facility Pallet with CH Waste, Waste Handling Building 49
- Figure B4-8 RH Bay (Photo Taken July 2000) 50
- Figure B4-9 Cask Unloading Room and Bridge Crane 51
- Figure B4-10 Hot Cell 52
- Figure B4-11 Transfer Cell 53
- Figure B4-12 Facility Cask Loading Room and Facility Cask Rotating Device 54

(This page intentionally blank)

SEND COMPLETED FORM TO: The Appropriate State or EPA Regional Office.

United States Environmental Protection Agency

RCRA SUBTITLE C SITE IDENTIFICATION FORM

1. Reason for Submittal (See instructions on page 14.)

MARK ALL BOX(ES) THAT APPLY

Reason for Submittal:

- ☐ To provide Initial Notification of Regulated Waste Activity (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities)
- ☑ To provide Subsequent Notification of Regulated Waste Activity (to update site identification information)
- ☐ As a component of a First RCRA Hazardous Waste Part A Permit Application
- ☑ As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment # 22)
- ☐ As a component of the Hazardous Waste Report

2. Site EPA ID Number (page 15)

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

3. Site Name (page 15)

Name: Waste Isolation Pilot Plant

4. Site Location Information (page 15)

Street Address: 30 miles east of Carlsbad on Jal Highway

City, Town, or Village: Carlsbad **State:** NM

County Name: Eddy **Zip Code:** 88221

5. Site Land Type (page 15)

Site Land Type: ☐ Private ☐ County ☐ District ☑ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other

6. North American Industry Classification System (NAICS) Code(s) for the Site (page 15)

A. 5 6 2 2 1 1

B.

C.

D.

7. Site Mailing Address (page 16)

Street or P. O. Box: P.O. Box 3090

City, Town, or Village: Carlsbad

State: NM

Country: USA **Zip Code:** 88221

8. Site Contact Person (page 16)

First Name: David **MI:** C **Last Name:** Moody

Phone Number: (505) 234-7300 **Extension:** **Email address:** dave.moody@wipp.ws

9. Operator and Legal Owner of the Site (pages 16 and 17)

A. **Name of Site's Operator:** U.S. Department of Energy **Date Became Operator (mm/dd/yyyy):** 05/18/1981

Operator Type: ☐ Private ☐ County ☐ District ☑ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other

B. **Name of Site's Legal Owner:** U.S. Department of Energy **Date Became Owner (mm/dd/yyyy):** 05/18/1981

Owner Type: ☐ Private ☐ County ☐ District ☑ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other

9. Legal Owner (Continued) Address	Street or P. O. Box: P.O. Box 3090	
	City, Town, or Village: Carlsbad	
	State: NM	
	Country: USA	Zip Code: 88221

10. Type of Regulated Waste Activity
Mark "Yes" or "No" for all activities; complete any additional boxes as instructed. (See instructions on pages 18 to 21.)

A. Hazardous Waste Activities
Complete all parts for 1 through 6.

Y ☑ N ☐ **1. Generator of Hazardous Waste**
If "Yes", choose only one of the following - a, b, or c.

☑ a. LQG: Greater than 1,000 kg/mo (2,200 lbs./mo.) of non-acute hazardous waste; or

☐ b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs./mo.) of non-acute hazardous waste; or

☐ c. CESQG: Less than 100 kg/mo (220 lbs./mo.) of non-acute hazardous waste

In addition, indicate other generator activities.

Y ☐ N ☑ d. United States Importer of Hazardous Waste

Y ☑ N ☐ e. Mixed Waste (hazardous and radioactive) Generator

Y ☐ N ☑ **2. Transporter of Hazardous Waste**

Y ☑ N ☐ **3. Treater, Storer, or Disposer of Hazardous Waste (at your site)** Note: A hazardous waste permit is required for this activity.

Y ☐ N ☑ **4. Recycler of Hazardous Waste (at your site)**

Y ☐ N ☑ **5. Exempt Boiler and/or Industrial Furnace**
If "Yes", mark each that applies.
☐ a. Small Quantity On-site Burner Exemption
☐ b. Smelting, Melting, and Refining Furnace Exemption

Y ☐ N ☑ **6. Underground Injection Control**

B. Universal Waste Activities

Y ☐ N ☑ **1. Large Quantity Handler of Universal Waste (accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste generated and/or accumulated at your site. If "Yes", mark all boxes that apply:**

	Generate	Accumulate
a. Batteries	☐	☐
b. Pesticides	☐	☐
c. Thermostats	☐	☐
d. Lamps	☐	☐
e. Other (specify) _____	☐	☐
f. Other (specify) _____	☐	☐
g. Other (specify) _____	☐	☐

Y ☐ N ☑ **2. Destination Facility for Universal Waste**
Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities
Mark all boxes that apply.

Y ☐ N ☑ **1. Used Oil Transporter**
If "Yes", mark each that applies.
☐ a. Transporter
☐ b. Transfer Facility

Y ☐ N ☑ **2. Used Oil Processor and/or Re-refiner**
If "Yes", mark each that applies.
☐ a. Processor
☐ b. Re-refiner

Y ☐ N ☑ **3. Off-Specification Used Oil Burner**

Y ☐ N ☑ **4. Used Oil Fuel Marketer**
If "Yes", mark each that applies.
☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

11. Description of Hazardous Wastes (See instructions on page 22.)

A. 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.

F001	F002	F003	F004	F005	F006	F007
F009	D004	D005	D006	D007	D008	D009
D010	D011	D018	D019	D021	D022	D026

B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes. Please list the waste codes of the State-regulated 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 for waste codes.

12. Comments (See instructions on page 22.)

13. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.
For the RCRA Hazardous Waste Part A Permit Application, all operator(s) and owner(s) must sign (see 40 CFR 270.10 (b) and 270.11).
(See instructions on page 22.)

Signature of operator, owner, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
	David C. Moody, Manager - DOE	9/10/07
	Farok Sharif, General Manager - WTS	9/06/07

Hazardous Waste Codes
(Continued)

EPA ID No.: NM4890139088
Hazardous Waste Numbers
D027
D028
D029
D030
D032
D034
D035
D036
D037
D038
D039
D040
D043
P015
U002
U019
U037
U043
U044
U052
U070
U072
U078
U079
U105
U122
U133
U151
U154
U159
U196
U209
U210
U220
U226
U228
U239
P120
U134
D033
P030
P098
P099
P106
U003
U103
U108

EPA ID NO: N M 4 8 9 0 1 3 9 0 8 8

OMB #: 2050-0034 Expires 11/30/2005

United States Environmental Protection Agency

HAZARDOUS WASTE PERMIT INFORMATION FORM

1. Facility Permit Contact (See instructions on page 23)	**First Name:** David	**MI:** C	**Last Name:** Moody
	Phone Number: (505) 234-7300		**Phone Number Extension:**
2. Facility Permit Contact Mailing Address (See instructions on page 23)	**Street or P.O. Box:** P.O. Box 3090		
	City, Town, or Village: Carlsbad		
	State: NM		
	Country: USA		**Zip Code:** 88221
3. Operator Mailing Address and Telephone Number (See instructions on page 23)	**Street or P.O. Box:** P. O. Box 3090		
	City, Town, or Village: Carlsbad		
	State: NM		
	Country: USA	**Zip Code:** 88221	**Phone Number** (505) 234-7300
4. Legal Owner Mailing Address and Telephone Number (See instructions on page 23)	**Street or P.O. Box:** P.O. Box 3090		
	City, Town, or Village: Carlsbad		
	State: NM		
	Country: USA	**Zip Code:** 88221	**Phone Number** (505) 234-7300
5. Facility Existence Date (See instructions on page 24)	**Facility Existence Date (mm/dd/yyyy):** 05/18/1981		

6. Other Environmental Permits (See instructions on page 24)

A. Permit Type *(Enter code)*	B. Permit Number	C. Description
		See Attachment O, Appendix 01-1

7. Nature of Business (Provide a brief description; see instructions on page 24)

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 will be emplaced in an underground geologic repository horizon located in a deep-bedded salt formation approximately 2,150 feet beneath the surface.

8. Process Codes and Design Capacities (See instructions on page 24) - Enter information in the Sections on Form Page 3.

A. PROCESS CODE - *Enter the code from the list of process codes in the table below that best describes each process to be used at the facility. Fifteen lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), enter the process information in Item 9 (including a description).*

B. PROCESS DESIGN CAPACITY- *For each code entered in Section A, enter the capacity of the process.*

1. **AMOUNT** - *Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.*
2. **UNIT OF MEASURE** - *For each amount entered in Section B(1), enter the code in Section B(2) from the list of unit of measure codes below that describes the unit of measure used. Select only from the units of measure in this list.*

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

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
	Disposal:	
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day
D80	Landfill	Acre-feet; Hectare-meter; Acres; Cubic Meters; Hectares; Cubic Yards
D81	Land Treatment	Acres or Hectares
D82	Ocean Disposal	Gallons Per Day or Liters Per Day
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards
D99	Other Disposal	Any Unit of Measure in Code Table Below
	Storage:	
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards
S03	Waste Pile	Cubic Yards or Cubic Meters
S04	Surface Impoundment Storage	Gallons; Liters; Cubic Meters; or Cubic Yards
S05	Drip Pad	Gallons; Liters; Acres; Cubic Meters; Hectares; or Cubic Yards
S06	Containment Building Storage	Cubic Yards or Cubic Meters
S99	Other Storage	Any Unit of Measure in Code Table Below
	Treatment:	
T01	Tank Treatment	Gallons Per Day; Liters Per Day
T02	Surface Impoundment Treatment	Gallons Per Day; Liters Per Day
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Day; Liters Per Hour; or Million Btu Per Hour
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; Btu Per Hour; or Million Btu Per Hour

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
	Treatment (continued):	
T81 T82 T83 T84 T85 T86 T87 T88 T89 T90 T91 T92 T93	Cement Kiln Lime Kiln Aggregate Kiln Phosphate Kiln Coke Oven Blast Furnace Smelting, Melting, or Refining Furnace Titanium Dioxide Chloride Oxidation Reactor Methane Reforming Furnace Pulping Liquor Recovery Furnace Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid Halogen Acid Furnaces Other Industrial Furnaces Listed In 40 CFR §260.10	For T81-T93: Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
T94	Containment Building - Treatment	Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour
	Miscellaneous (Subpart X):	
X01	Open Burning/Open Detonation	Any Unit of Measure in Code Table Below
X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; Kilograms Per Hour; Gallons Per Hour; Liters Per Hour; or Gallons Per Day
X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; or Million Btu Per Hour
X04	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters
X99	Other Subpart X	Any Unit of Measure Listed Below

UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons	G
Gallons Per Hour	E
Gallons Per Day	U
Liters	L
Liters Per Hour	H
Liters Per Day	V

UNIT OF MEASURE	UNIT OF MEASURE CODE
Short Tons Per Hour	D
Metric Tons Per Hour	W
Short Tons Per Day	N
Metric Tons Per Day	S
Pounds Per Hour	J
Kilograms Per Hour	R
Million Btu Per Hour	X

UNIT OF MEASURE	UNIT OF MEASURE CODE
Cubic Yards	Y
Cubic Meters	C
Acres	B
Acre-feet	A
Hectares	Q
Hectare-meter	F
Btu Per Hour	I

8. Process Codes and Design Capacities (Continued)

EXAMPLE FOR COMPLETING Item 8 (shown in line number X-1 below): A facility has a storage tank, which can hold 533.788 gallons.

Line Number		A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	B. (2) Unit of Measure (Enter code)	C. Process Total Number of Units	For Official Use Only
X	1	S	0	2	5 3 3 . 7 8 8	G	0 0 1	
	1	X	0	4	175600 . 0	C	010	
	2	S	0	1	1985 . 0	C	001	
	3	S	0	1	242 . 0	C	001	
	4				.			
	5				.			
	6				.			
	7				.			
	8				.			
	9				.			
1	0				.			
1	1				.			
1	2				.			
1	3				.			
1	4				.			
1	5				.			

NOTE: If you need to list more than 15 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in Item 9.

9. Other Processes (*See instructions on page 25 and follow instructions from Item 8 for D99, S99, T04 and X99 process codes*)

Line Number (Enter #s in sequence with Item 8)		A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	B. (2) Unit of Measure (Enter code)	C. Process Total Number of Units	D. Description of Process
X	2	T	0	4	1 0 0 . 0 0 0	U	0 0 1	In-situ Vitrification
					.			
					.			
					.			
					.			
					.			

10. Description of Hazardous Wastes (See instructions on page 25) - Enter information in the Sections on Form Page 5.

A. EPA HAZARDOUS WASTE NUMBER - ***Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR Part 261, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.***

B. ESTIMATED ANNUAL QUANTITY - ***For each listed waste entered in Section A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in Section A, estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.***

C. UNIT OF MEASURE - ***For each quantity entered in Section B, enter the unit of measure code. Units of measure which must be used and the appropriate codes are:***

ENGLISH UNIT OF MEASURE	*CODE*	*METRIC UNIT OF MEASURE*	*CODE*
POUNDS	*P*	*KILOGRAMS*	*K*
TONS	*T*	*METRIC TONS*	*M*

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure, taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

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

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in Section A, select the code(s) from the list of process codes contained in Items 8A and 9A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. ***Enter the first two as described above.***
2. ***Enter "000" in the extreme right box of Item 10.D(1).***
3. ***Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 10.E.***

2. PROCESS DESCRIPTION: ***If a code is not listed for a process that will be used, describe the process in Item 10.D(2) or in Item 10.E(2).***

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. ***Select one of the EPA Hazardous Waste Numbers and enter it in Section A. On the same line complete Sections B, C and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.***
2. ***In Section A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In Section D(2) on that line enter "included with above" and make no other entries on that line.***
3. ***Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.***

EXAMPLE FOR COMPLETING Item 10 (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operations. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number		*A. EPA Hazardous Waste No. (Enter code)*				*B. Estimated Annual Quantity of Waste*	*C. Unit of Measure (Enter code)*	*D. PROCESSES*									
								(1) PROCESS CODES (Enter code)									*(2) PROCESS DESCRIPTION- (If a code is not entered in D(1))*
X	1	K	0	5	4	900	P	T	0	3	D	8	0				
X	2	D	0	0	2	400	P	T	0	3	D	8	0				
X	3	D	0	0	1	100	P	T	0	3	D	8	0				
X	4	D	0	0	2												Included With Above

10. Description of Hazardous Wastes (Continued. Use the Additional Sheet(s) as necessary; number pages as 5 a, etc.)

Line Number		A. EPA Hazardous Waste No. (Enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)									D. PROCESSES (2) PROCESS DESCRIPTION (If a code is not entered in D(1))
	1	F	0	0	1	1891	M	X	0	4	S	0	1	S	0	1	
	2	F	0	0	2	1860	M	X	0	4	S	0	1	S	0	1	
	3	F	0	0	3	1593	M	X	0	4	S	0	1	S	0	1	
	4	F	0	0	4	26	M	X	0	4	S	0	1	S	0	1	
	5	F	0	0	5	1829	M	X	0	4	S	0	1	S	0	1	
	6	F	0	0	6	915	M	X	0	4	S	0	1	S	0	1	
	7	F	0	0	7	915	M	X	0	4	S	0	1	S	0	1	
	8	F	0	0	9	915	M	X	0	4	S	0	1	S	0	1	
	9	D	0	0	4	903	M	X	0	4	S	0	1	S	0	1	
1	0	D	0	0	5	484	M	X	0	4	S	0	1	S	0	1	
1	1	D	0	0	6	1819	M	X	0	4	S	0	1	S	0	1	
1	2	D	0	0	7	1248	M	X	0	4	S	0	1	S	0	1	
1	3	D	0	0	8	3246	M	X	0	4	S	0	1	S	0	1	
1	4	D	0	0	9	1727	M	X	0	4	S	0	1	S	0	1	
1	5	D	0	1	0	186	M	X	0	4	S	0	1	S	0	1	
1	6	D	0	1	1	1090	M	X	0	4	S	0	1	S	0	1	
1	7	D	0	1	8	749	M	X	0	4	S	0	1	S	0	1	
1	8	D	0	1	9	761	M	X	0	4	S	0	1	S	0	1	
1	9	D	0	2	1	26	M	X	0	4	S	0	1	S	0	1	
2	0	D	0	2	2	1098	M	X	0	4	S	0	1	S	0	1	
2	1	D	0	2	6	609	M	X	0	4	S	0	1	S	0	1	
2	2	D	0	2	7	26	M	X	0	4	S	0	1	S	0	1	
2	3	D	0	2	8	449	M	X	0	4	S	0	1	S	0	1	
2	4	D	0	2	9	478	M	X	0	4	S	0	1	S	0	1	
2	5	D	0	3	0	26	M	X	0	4	S	0	1	S	0	1	
2	6	D	0	3	2	26	M	X	0	4	S	0	1	S	0	1	
2	7	D	0	3	4	26	M	X	0	4	S	0	1	S	0	1	
2	8	D	0	3	5	139	M	X	0	4	S	0	1	S	0	1	
2	9	D	0	3	6	26	M	X	0	4	S	0	1	S	0	1	
3	0	D	0	3	7	26	M	X	0	4	S	0	1	S	0	1	
3	1	D	0	3	8	26	M	X	0	4	S	0	1	S	0	1	
3	2	D	0	3	9	26	M	X	0	4	S	0	1	S	0	1	
3	3	D	0	4	0	140	M	X	0	4	S	0	1	S	0	1	
3	4	D	0	4	3	26	M	X	0	4	S	0	1	S	0	1	
3	5	P	0	1	5	945	M	X	0	4	S	0	1	S	0	1	
3	6	U	0	0	2	344	M	X	0	4	S	0	1	S	0	1	
3	7	U	0	1	9	344	M	X	0	4	S	0	1	S	0	1	
3	8	U	0	3	7	344	M	X	0	4	S	0	1	S	0	1	
3	9	U	0	4	3	344	M	X	0	4	S	0	1	S	0	1	

EPA ID NO: |N|M|4|8|9|0|1|3|9|0|8|8|

OMB #: 2050-0034 Expires 11/30/2005

10. Description of Hazardous Wastes (Continued. Use this Additional Sheet(s) as necessary; number as 5 a, etc.)

Line Number		A. EPA Hazardous Waste No. (Enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	E. PROCESSES (1) PROCESS CODES (Enter code)									(2) PROCESS DESCRIPTION (If a code is not entered in E(1))
4	0	U	0	4	4	344	M	X	0	4	S	0	1	S	0	1	
4	1	U	0	5	2	344	M	X	0	4	S	0	1	S	0	1	
4	2	U	0	7	0	344	M	X	0	4	S	0	1	S	0	1	
4	3	U	0	7	2	344	M	X	0	4	S	0	1	S	0	1	
4	4	U	0	7	8	344	M	X	0	4	S	0	1	S	0	1	
4	5	U	0	7	9	344	M	X	0	4	S	0	1	S	0	1	
4	6	U	1	0	5	344	M	X	0	4	S	0	1	S	0	1	
4	7	U	1	2	2	344	M	X	0	4	S	0	1	S	0	1	
4	8	U	1	3	3	344	M	X	0	4	S	0	1	S	0	1	
4	9	U	1	5	1	344	M	X	0	4	S	0	1	S	0	1	
5	0	U	1	5	4	344	M	X	0	4	S	0	1	S	0	1	
5	1	U	1	5	9	344	M	X	0	4	S	0	1	S	0	1	
5	2	U	1	9	6	344	M	X	0	4	S	0	1	S	0	1	
5	3	U	2	0	9	344	M	X	0	4	S	0	1	S	0	1	
5	4	U	2	1	0	344	M	X	0	4	S	0	1	S	0	1	
5	5	U	2	2	0	344	M	X	0	4	S	0	1	S	0	1	
5	6	U	2	2	6	344	M	X	0	4	S	0	1	S	0	1	
5	7	U	2	2	8	344	M	X	0	4	S	0	1	S	0	1	
5	8	U	2	3	9	344	M	X	0	4	S		1	S	0	1	
5	9	P	1	2	0	3.3	M	X	0	4	S	0	1	S	0	1	
6	0	U	1	3	4	344	M	X	0	4	S	0	1	S	0	1	
6	1	D	0	3	3	344	M	X	0	4	S	0	1	S	0	1	
6	2	P	0	3	0	344	M	X	0	4	S	0	1	S	0	1	
6	3	P	0	9	8	344	M	X	0	4	S	0	1	S	0	1	
6	4	P	0	9	9	344	M	X	0	4	S	0	1	S	0	1	
6	5	P	1	0	6	344	M	X	0	4	S	0	1	S	0	1	
6	6	U	0	0	3	344	M	X	0	4	S	0	1	S	0	1	
6	7	U	1	0	3	344	M	X	0	4	S	0	1	S	0	1	
6	8	U	1	0	8	344	M	X	0	4	S	0	1	S	0	1	

11. Map (See instructions on pages 25 and 26)

Attach to this application a topographic 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 and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

12. Facility Drawing (See instructions on page 26)

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

13. Photographs (See instructions on page 26)

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).

14. Comments (See instructions on page 26)

See attached narrative from previous Part A Form (Section XII). This narrative supports Section 8 of the New Part A Form.

(This page intentionally blank)

NM4890139088

8. PROCESS—CODES AND DESIGN CAPACITIES (continued)

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 120,000 cubic meters (m^3) of the 175,600 m^3 of WIPP wastes is categorized as debris waste. The geologic repository has been divided into ten discrete hazardous waste management units (HWMU) which are being permitted under 40 CFR Part 264, Subpart X.

During the Disposal Phase of the facility, which is expected to last 25 years, the total amount of waste received from off-site generators and any derived waste will be limited to 175,600 m^3 of TRU waste of which up to 7,080 m^3 may be remote-handled (RH) TRU mixed waste. For purposes of this application, all TRU waste is managed as though it were mixed.

On March 25, 1996, the DOE reached the conclusion that in order to comply with 40 CFR 191 §13 which regulates the long-term release of radionuclides from a geologic disposal facility, it is necessary to add magnesium oxide to each disposal room. This additive is to be placed as a backfill. The function of the backfill is to chemically alter the composition of brine that may accumulate in the disposal region. The result of the chemical alteration is to significantly reduce the solubility of the prevalent TRU radionuclides.

The process design capacity for the miscellaneous unit (composed of ten underground HWMUs in the geologic repository) shown in Section XII B, is for the maximum amount of waste that may be received from off-site generators plus the maximum expected amount of derived wastes that may be generated at the WIPP facility. In addition, two HWMUs have been designated as container storage units (S01) in Section XII. 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 m^3, 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 volume of 242 m^3. The HWMUs are shown in Appendix O3 as Figures O3-2, O3-3, and O3-4.

During the ten year period of the permit, up to 129,750 m^3 of CH TRU mixed waste could be emplaced in Panels 1 to 7 and up to 1,985 m^3 of RH TRU mixed waste could be emplaced in Panels 4 to 7. Panels 8, 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.

NM4890139088

RCRA PART A APPLICATION CERTIFICATION

The U.S. Department of Energy (DOE), through its Carlsbad Field Office, has signed as "owner and operator," and Washington TRU Solutions LLC, the Management and Operating Contractor (MOC), has signed this application for the permitted facility as "co-operator."

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

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

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

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

Owner and Operator Signature:	*Original signed by Vernon Daub for David Moody*
Title:	Manager, Carlsbad Field Office
for:	U.S. Department of Energy
Date:	12/15/09

Co-Operator Signature:	*Original signed by P.D. Yocum for Farok Sharif*
Title:	General Manager
for:	Washington TRU Solutions LLC
Date:	12/15/09

(This page intentionally blank)

APPENDIX ~~O~~ B1
OTHER ENVIRONMENTAL PERMITS

(This page intentionally blank)

Active Environmental Permits and Approvals for the Waste Isolation Pilot Plant as of March 1, 2010

	Granting Agency	Type of Permit	Permit Number	Granted/ Submitted	Expiration	Current Permit Status
1.	Department of the Interior, Bureau of Land Management	Right-of-Way for Water Pipeline	NM53809	08/17/83	In Perpetuity	Active
2.	Department of the Interior, Bureau of Land Management	Right-of-Way for the North Access Road	NM55676	08/24/83	None	Active
3.	Department of the Interior, Bureau of Land Management	Right-of-Way for Railroad	NM55699	09/27/83	None	Active
4.	Department of the Interior, Bureau of Land Management	Right-of-Way for Dosimetry and Aerosol Sampling Sites	NM63136	07/31/86	07/31/11	Active
5.	Department of the Interior, Bureau of Land Management	Right-of-Way for Seven Subsidence Monuments	NM65801	11/07/86	None	Active
6.	Department of the Interior, Bureau of Land Management	Right-of-Way for Aerosol Sampling Site	NM77921	08/18/89	08/18/19	Active
7.	Department of the Interior, Bureau of Land Management	Right-of-Way for 2 Survey Monuments	NM82245	12/13/89	12/13/19	Active
8.	Department of the Interior, Bureau of Land Management	Right-of-Way for telephone cable	NM46092	07/03/90	09/04/11	Active
9.	Department of the Interior, Bureau of Land Management	Right-of-Way for SPS Powerline	NM43203	02/20/96	10/19/11	Active
10.	Department of the Interior, Bureau of Land Management	Right-of-Way for South Access Road	NM123703	1/27/10	12/31/39	Active
11.	Department of the Interior, Bureau of Land Management	Right-of-Way for Duval telephone line	NM60174	11/06/96	03/08/15	Active
12.	Department of the Interior, Bureau of Land Management	Right-of-Way for Wells AEC-7 & AEC-8	NM108365	8/30/02	08/30/32	Active
13.	Department of the Interior, Bureau of Land Management	Right-of-Way for ERDA-6	NM108365	8/30/02	08/30/32	Active
14.	Department of the Interior, Bureau of Land Management	Right-of-Way for Well C-2756 (P-18)	NM108365	8/30/02	08/30/32	Active

	Granting Agency	Type of Permit	Permit Number	Granted/ Submitted	Expiration	Current Permit Status
15.	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
16.	Department of the Interior, Bureau of Land Management	Right-of-Way for Seismic Monitoring Station	NM85426	09/23/91	None	Active
17.	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
18.	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	06/14/78	None	Active
19.	Department of the Interior, Bureau of Land Management	Right-of-Way for Aerosol Sampling Sites	NM77921	10/03/89	08/18/19	Active
20.	New Mexico State Land Office	Right-of-Way easement for accessing state trust lands in Eddy & Lea Counties	R25430	9/28/04	9/28/14	Active
21.	Department of Interior, Bureau of Land Management	Right of Way for Valor Telecom	NM113339	8/9/05	12/31/34	Active
22.	Department of Interior, Bureau of Land Management	Right of Way for South Access Road Fence	NM094304	3/15/95	In Perpetuity	Active
23.	New Mexico Commissioner of Public Lands	Right-of-Way for High Volume Air Sampler	RW-22789	10/03/85	10/03/20	Active
24.	New Mexico Environment Department Groundwater Bureau	Discharge Permit	DP-831	9/9/08	9/9/13	Active
25.	New Mexico Environment Department Air Quality Bureau	Operating Permit for two backup diesel generators	310-M-2	12/07/93	None	Active
26.	New Mexico Environment Department-UST Bureau	Underground Storage Tanks	NMED11811 (Number changes annually)	07/01/02	06/30/03 (2003 registration submitted 6/18/02)	Active

	Granting Agency	Type of Permit	Permit Number	Granted/ Submitted	Expiration	Current Permit Status
27.	New Mexico State Engineer Office	Monitoring Well Exhaust Shaft Exploratory Borehole	C-2801	02/23/01	None	Active
28.	New Mexico State Engineer Office	Monitoring Well Exhaust Shaft Exploratory Borehole	C-2802	02/23/01	None	Active
29.	New Mexico State Engineer Office	Monitoring Well Exhaust Shaft Exploratory Borehole	C-2803	02/23/01	None	Active
30.	New Mexico State Engineer Office	Monitoring Well	C-2811	03/02/02	None	Active
31.	New Mexico State Engineer Office	Appropriation: WQSP-1 Well	C-2413	10/21/96	None	Active
32.	New Mexico State Engineer Office	Appropriation: WQSP-2 Well	C-2414	10/21/96	None	Active
33.	New Mexico State Engineer Office	Appropriation: WQSP-3 Well	C-2415	10/21/96	None	Active
34.	New Mexico State Engineer Office	Appropriation: WQSP-4 Well	C-2416	10/21/96	None	Active
35.	New Mexico State Engineer Office	Appropriation: WQSP-5 Well	C-2417	10/21/96	None	Active
36.	New Mexico State Engineer Office	Appropriation: WQSP-6 Well	C-2418	10/21/96	None	Active
37.	New Mexico State Engineer Office	Appropriation: WQSP-6a Well	C-2419	10/21/96	None	Active
38.	New Mexico State Engineer Office	Monitoring Well AEC-7	C-2742	11/06/00	None	Active
39.	New Mexico State Engineer Office	Monitoring Well AEC-8	C-2744	11/06/00	None	Active
40.	New Mexico State Engineer Office	Monitoring Well Cabin Baby	C-2664	07/30/99	None	Active
41.	New Mexico State Engineer Office	Monitoring Well D-268 Plugged to 220'. Livestock watering	C-2638	01/12/99	None	Active

	Granting Agency	Type of Permit	Permit Number	Granted/ Submitted	Expiration	Current Permit Status
42.	New Mexico State Engineer Office	Monitoring Well DOE-1	C-2757	11/06/00	None	Active
43.	New Mexico State Engineer Office	Monitoring Well DOE-2	C-2682	04/17/00	None	Active
44.	New Mexico State Engineer Office	Monitoring Well ERDA-9	C-2752	11/06/00	None	Active
45.	New Mexico State Engineer Office	Monitoring Well H-1	C-2765	11/06/00	None	Active
46.	New Mexico State Engineer Office	Monitoring Well H-2A	C-2762	11/06/00	None	Active
47.	New Mexico State Engineer Office	Monitoring Well H-2B1	C-2758	11/06/00	None	Active
48.	New Mexico State Engineer Office	Monitoring Well H-2B2	C-2763	11/06/00	None	Active
49.	New Mexico State Engineer Office	Monitoring Well H-2C	C-2759	11/06/00	None	Active
50.	New Mexico State Engineer Office	Monitoring Well H-3B1	C-2764	11/06/00	None	Active
51.	New Mexico State Engineer Office	Monitoring Well H-3B2	C-2760	11/06/00	None	Active
52.	New Mexico State Engineer Office	Monitoring Well H-3B3	C-2761	11/06/00	None	Active
53.	New Mexico State Engineer Office	Monitoring Well H-3D	C-3207	11/06/00	None	Active
54.	New Mexico State Engineer Office	Monitoring Well H-4A	C-2725	11/06/00	None	Active
55.	New Mexico State Engineer Office	Monitoring Well H-4B	C-2775	11/06/00	None	Active
56.	New Mexico State Engineer Office	Monitoring Well H-4C	C-2776	11/06/00	None	Active

	Granting Agency	Type of Permit	Permit Number	Granted/ Submitted	Expiration	Current Permit Status
57.	New Mexico State Engineer Office	Monitoring Well H-5A	C-2746	11/06/00	None	Active
58.	New Mexico State Engineer Office	Monitoring Well H-5B	C-2745	11/06/00	None	Active
59.	New Mexico State Engineer Office	Monitoring Well H-5C	C-2747	11/06/00	None	Active
60.	New Mexico State Engineer Office	Monitoring Well H-6A	C-2751	11/06/00	None	Active
61.	New Mexico State Engineer Office	Monitoring Well H-6B	C-2749	11/06/00	None	Active
62.	New Mexico State Engineer Office	Monitoring Well H-6C	C-2750	11/06/00	None	Active
63.	New Mexico State Engineer Office	Monitoring Well H-7A	C-2694	04/17/00	None	Active
64.	New Mexico State Engineer Office	Monitoring Well H-7B1	C-2770	11/06/00	None	Active
65.	New Mexico State Engineer Office	Monitoring Well H-7B2	C-2771	11/06/00	None	Active
66.	New Mexico State Engineer Office	Monitoring Well H-7C	C-2772	11/06/00	None	Active
67.	New Mexico State Engineer Office	Monitoring Well H-8A	C-2780	11/06/00	None	Active
68.	New Mexico State Engineer Office	Monitoring Well H-8B	C-2781	11/06/00	None	Active
69.	New Mexico State Engineer Office	Monitoring Well H-8C	C-2782	11/06/00	None	Active
70.	New Mexico State Engineer Office	Monitoring Well H-9A	C-2785	11/06/00	None	Active
71.	New Mexico State Engineer Office	Monitoring Well H-9B	C-2783	11/06/00	None	Active

	Granting Agency	Type of Permit	Permit Number	Granted/ Submitted	Expiration	Current Permit Status
72.	New Mexico State Engineer Office	Monitoring Well H-9C	C-2784	11/06/00	None	Active
73.	New Mexico State Engineer Office	Monitoring Well H-10A	C-2779	11/06/00	None	Active
74.	New Mexico State Engineer Office	Monitoring Well H-10B	C-2778	11/06/00	None	Active
75.	New Mexico State Engineer Office	Monitoring Well H-10C	C-2695	04/17/00	None	Active
76.	New Mexico State Engineer Office	Monitoring Well H-11B1	C-2767	11/06/00	None	Active
77.	New Mexico State Engineer Office	Monitoring Well H-11B2	C-2687	04/17/00	None	Active
78.	New Mexico State Engineer Office	Monitoring Well H-11B3	C-2768	11/06/00	None	Active
79.	New Mexico State Engineer Office	Monitoring Well H-11B4	C-2769	11/06/00	None	Active
80.	New Mexico State Engineer Office	Monitoring Well H-12	C-2777	11/06/00	None	Active
81.	New Mexico State Engineer Office	Monitoring Well H-14	C-2766	11/06/00	None	Active
82.	New Mexico State Engineer Office	Monitoring Well H-15	C-2685	04/17/00	None	Active
83.	New Mexico State Engineer Office	Monitoring Well H-16	C-2753	11/06/00	None	Active
84.	New Mexico State Engineer Office	Monitoring Well H-17	C-2773	11/06/00	None	Active
85.	New Mexico State Engineer Office	Monitoring Well H-18	C-2683	04/17/00	None	Active
86.	New Mexico State Engineer Office	Monitoring Well H-19B0	C-2420	01/25/95	None	Active

	Granting Agency	Type of Permit	Permit Number	Granted/ Submitted	Expiration	Current Permit Status
87.	New Mexico State Engineer Office	Monitoring Well H-19B1	C-2420	01/25/95	None	Active
88.	New Mexico State Engineer Office	Monitoring Well H-19B2	C-2421	01/25/95	None	Active
89.	New Mexico State Engineer Office	Monitoring Well H-19B3	C-2422	01/25/95	None	Active
90.	New Mexico State Engineer Office	Monitoring Well H-19B4	C-2423	01/25/95	None	Active
91.	New Mexico State Engineer Office	Monitoring Well H-19B5	C-2424	01/25/95	None	Active
92.	New Mexico State Engineer Office	Monitoring Well H-19B6	C-2425	01/25/95	None	Active
93.	New Mexico State Engineer Office	Monitoring Well H-19B7	C-2426	01/25/95	None	Active
94.	New Mexico State Engineer Office	Monitoring Well P-14	C-2637	01/02/99	None	P&A
95.	New Mexico State Engineer Office	Monitoring Well P-15	C-2686	04/17/00	None	P&A
96.	New Mexico State Engineer Office	Monitoring Well P-17	C-2774	11/06/00	None	Active
97.	New Mexico State Engineer Office	Monitoring Well P-18	C-2756	11/06/00	None	P&A
98.	New Mexico State Engineer Office	Monitoring Well WIPP-12	C-2639	01/12/99	None	Active
99.	New Mexico State Engineer Office	Monitoring Well WIPP-13	C-2748	11/06/00	None	Active
100.	New Mexico State Engineer Office	Monitoring Well WIPP-18	C-2684	04/17/00	None	Active
101.	New Mexico State Engineer Office	Monitoring Well WIPP-19	C-2755	11/06/00	None	Active

	Granting Agency	Type of Permit	Permit Number	Granted/ Submitted	Expiration	Current Permit Status
102.	New Mexico State Engineer Office	Monitoring Well WIPP-21	C-2754	11/06/00	None	Active
103.	New Mexico State Engineer Office	Monitoring Well WIPP-25	C-2723	07/26/00	None	Active
104.	New Mexico State Engineer Office	Monitoring Well WIPP-26	C-2724	11/06/00	None	Active
105.	New Mexico State Engineer Office	Monitoring Well WIPP-27	C-2722	11/06/00	None	Active
167.	New Mexico State Engineer Office	Monitoring Well WIPP28	C-2636	01/12/99	None	P&A
107.	New Mexico State Engineer Office	Monitoring Well WIPP-29	C-2743	11/06/00	None	Active
108.	New Mexico State Engineer Office	Monitoring Well WIPP-30	C-2727	08/04/00	None	Active
109.	New Mexico State Engineer Office	Monitoring Well H-6BR	C-3362	12/27/07	None	Active
110.	New Mexico State Engineer Office	Monitoring Well H-15R	C-3361	12/27/07	None	Active
111.	New Mexico State Engineer Office	Monitoring Well SNL-2	C-2948	2/14/03	None	Active
112.	New Mexico State Engineer Office	Monitoring Well SNL-9	C-2950	2/14/03	None	Active
113.	New Mexico State Engineer Office	Monitoring Well SNL-12	C-2954	2/25/03	None	Active
114.	New Mexico State Engineer Office	Monitoring Well SNL-1	C-2953	2/25/03	None	Active
115.	New Mexico State Engineer Office	Monitoring Well SNL-3	C-2949	2/14/03	None	Active
116.	New Mexico State Engineer Office	Monitoring Well SNL-5	C-3002	10/1/03	None	Active

	Granting Agency	Type of Permit	Permit Number	Granted/ Submitted	Expiration	Current Permit Status
117.	New Mexico State Engineer Office	Monitoring Well IMC-461	C-3015	11/25/03	None	Active
118.	New Mexico State Engineer Office	Monitoring Well SNL-10	C-3221	7/26/05	None	Active
119.	New Mexico State Engineer Office	Monitoring Well SNL-16	C-3220	7/26/05	None	Active
120.	New Mexico State Engineer Office	Monitoring Well SNL-17	C-3222	7/26/05	None	Active
121.	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	4/30/08	4/30/13	Active
122.	US Fish and Wildlife Service	Migratory Bird Special Purpose – Relocate	MB155189-0	6/1/09	5/31/10	Active

P&A - Plugged and Abandoned

(This page intentionally blank)

APPENDIX ~~O~~ B2
MAPS

(This page intentionally blank)

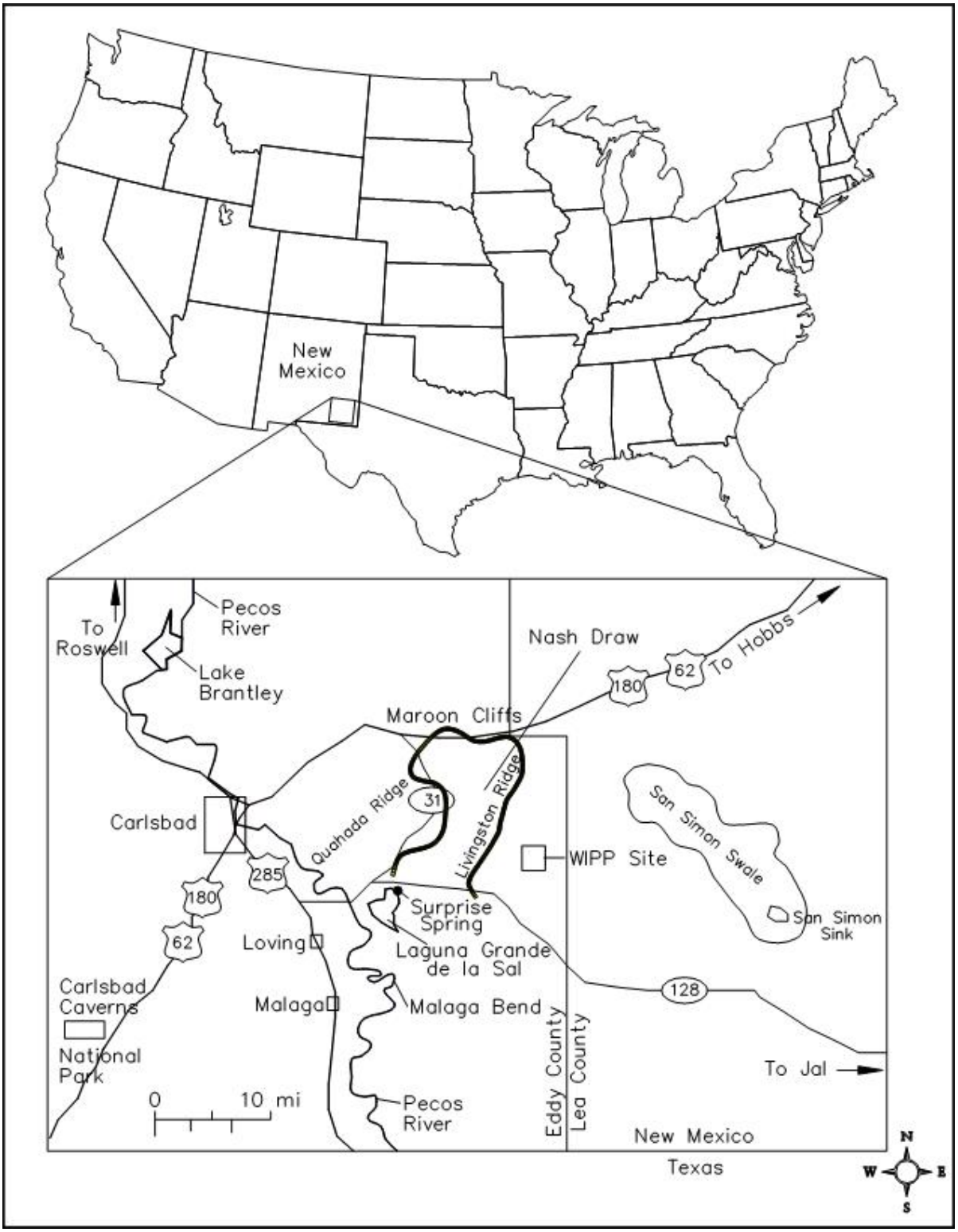

Figure ~~O~~ B2-1
General Location of the WIPP Facility

1

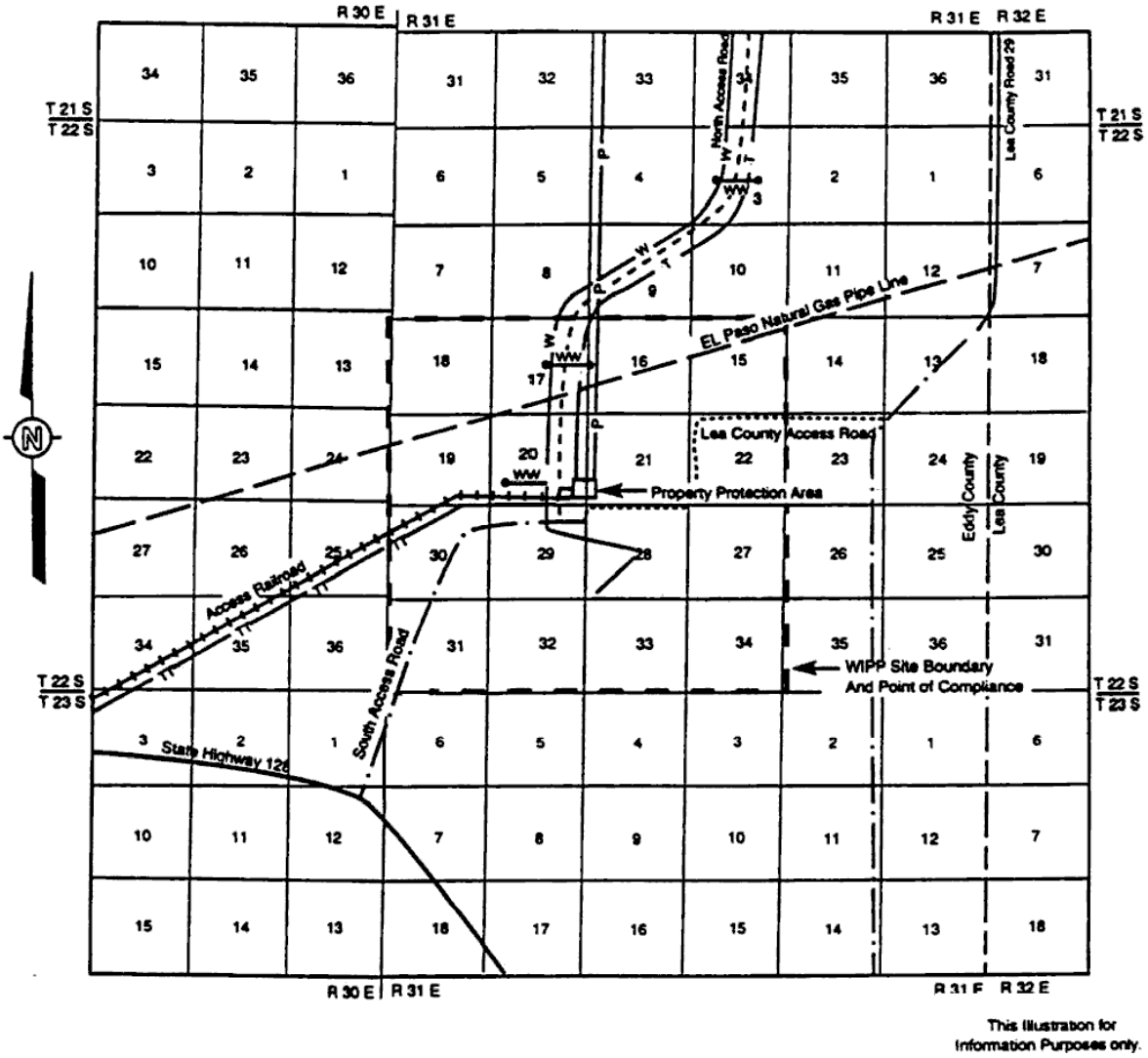

Figure ~~O~~ B2-2
Planimetric Map-WIPP Facility Boundaries

1

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.

Stock Water Tanks and Tap Lines Connected to the Main WIPP Waterline.

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.

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.

U.S. DOE Right of Way for Access Roads Includes Right of Way Number NM-123703 for the South Access Road which is 140 Feet Wide.

NOTES

1. The Property Protection Area is a fenced area of approximately 35 acres. It contains all surface facilities with the exception of salt storage piles, parking lot, landfill and waste water stabilization lagoons.

2. Zone II overlies the maximum extent of the Area available for underground development.

3. WIPP site boundary (WSB) provides a one mile buffer area around the area available for underground development.

Figure ~~O~~ B2-2a
Legend to Figure ~~O~~ B2-2

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

Figure ~~O~~ B2-3
Topographic Map

APPENDIX ~~O~~ B3
FACILITIES

(This page intentionally blank)

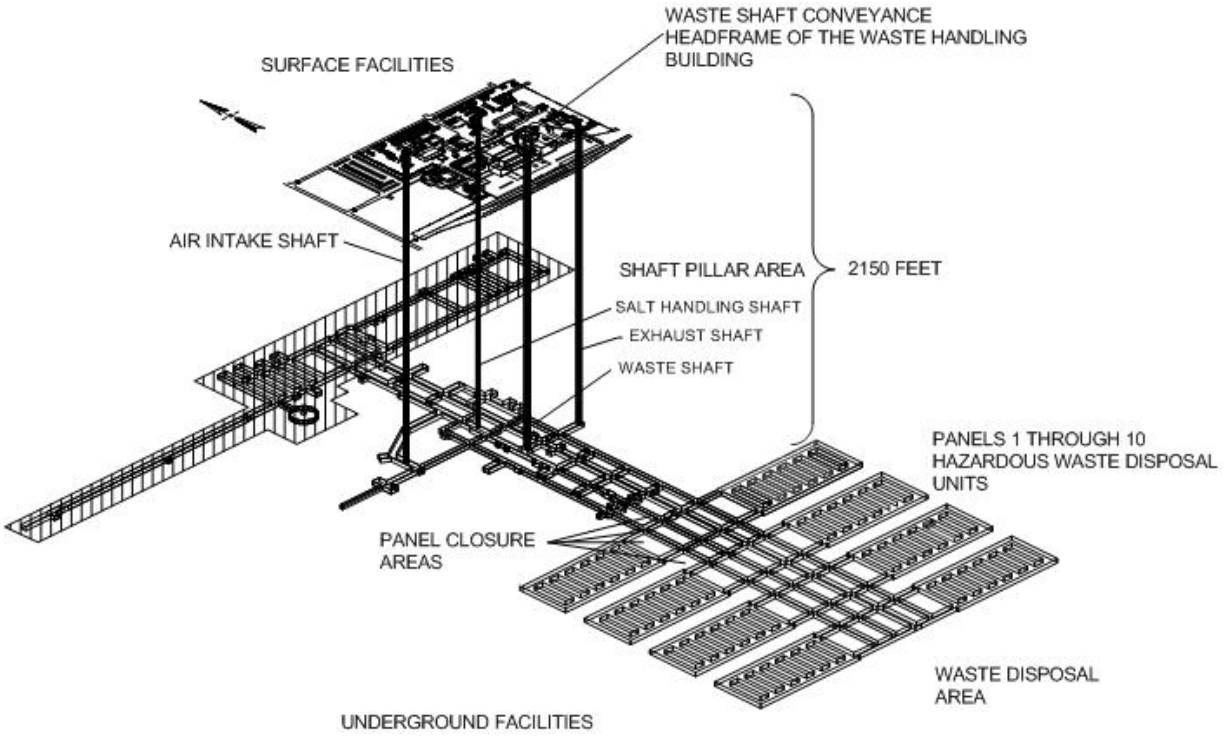

Figure ~~O~~ B3-1
Spatial View of the WIPP Facility

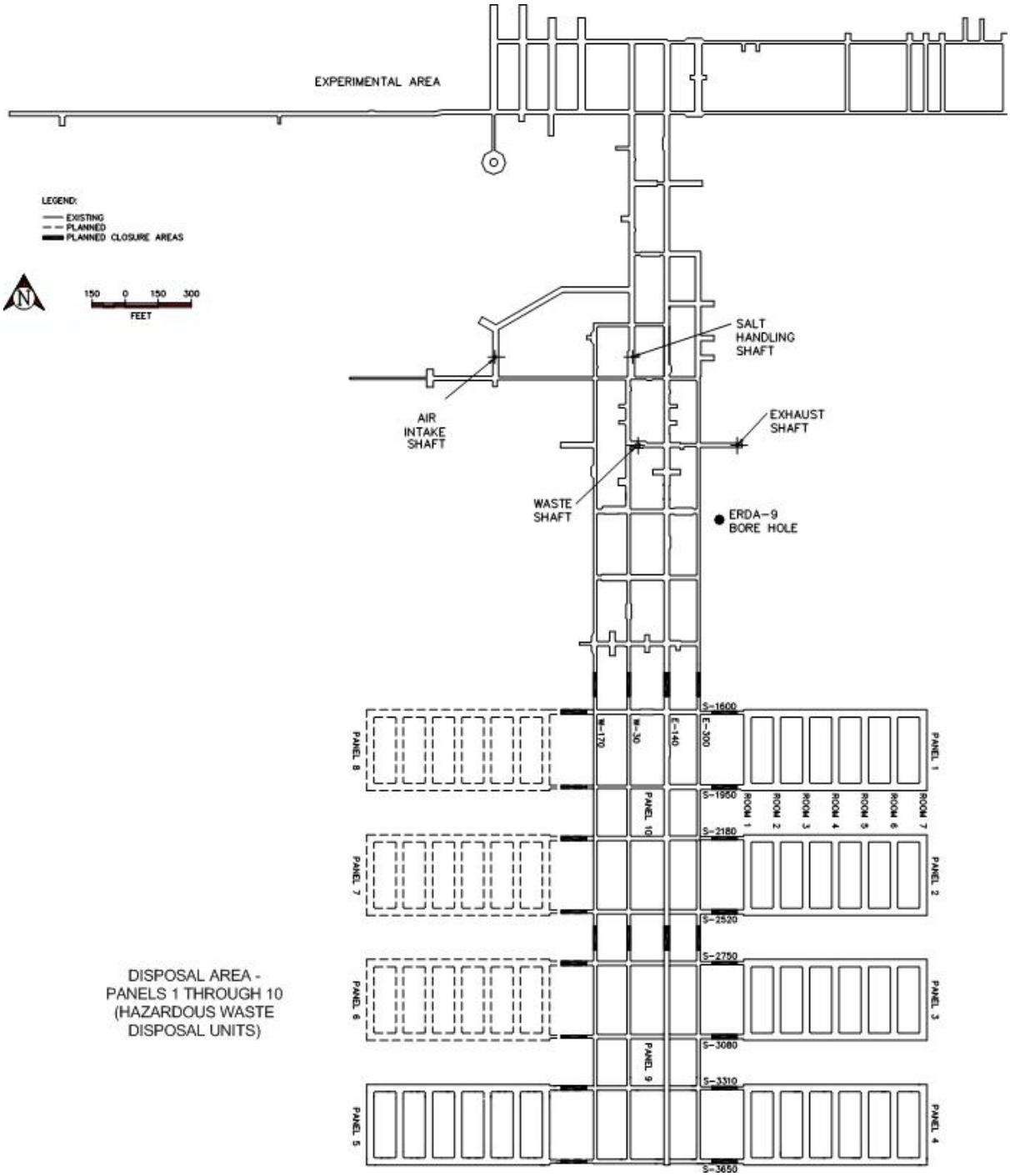

Figure ~~O~~ B3-2
Repository Horizon

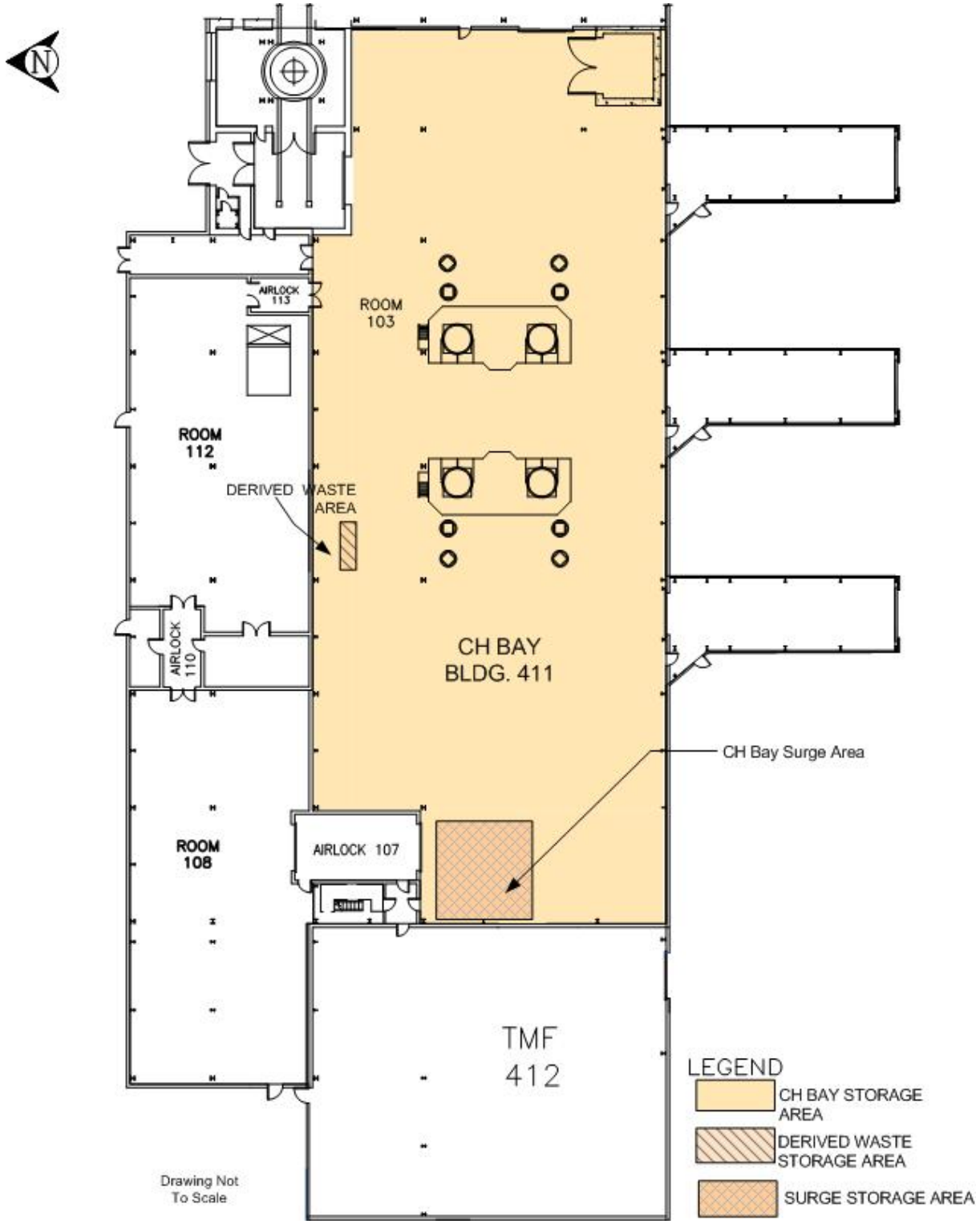

Figure ~~O~~ B3-3
Waste Handling Building - CH TRU Mixed Waste Container Storage and Surge Areas

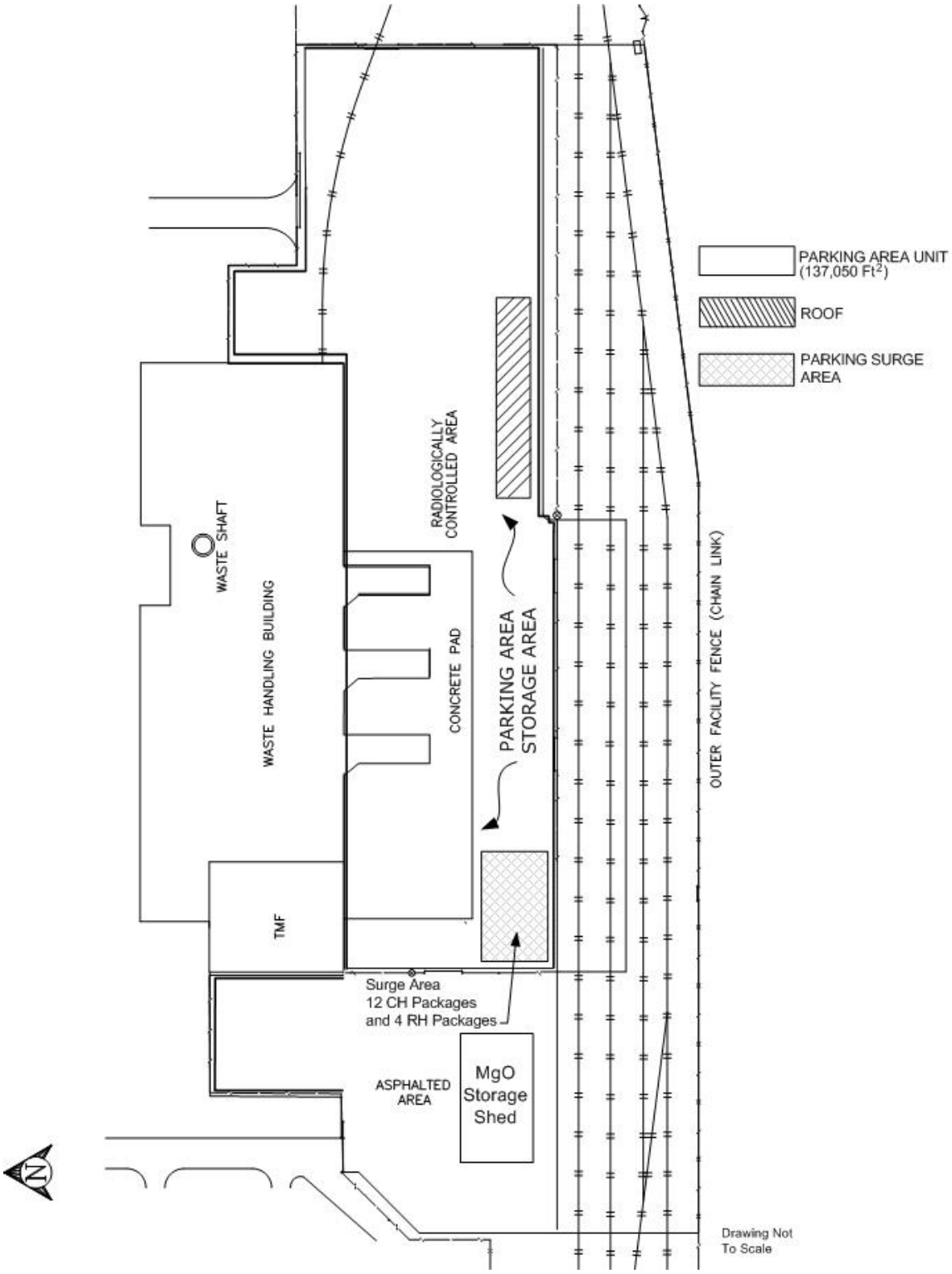

Figure ~~O~~ B3-4
Parking Area-Container Storage and Surge Areas

APPENDIX ~~O~~ B4
PHOTOGRAPHS

(This page intentionally blank)

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

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

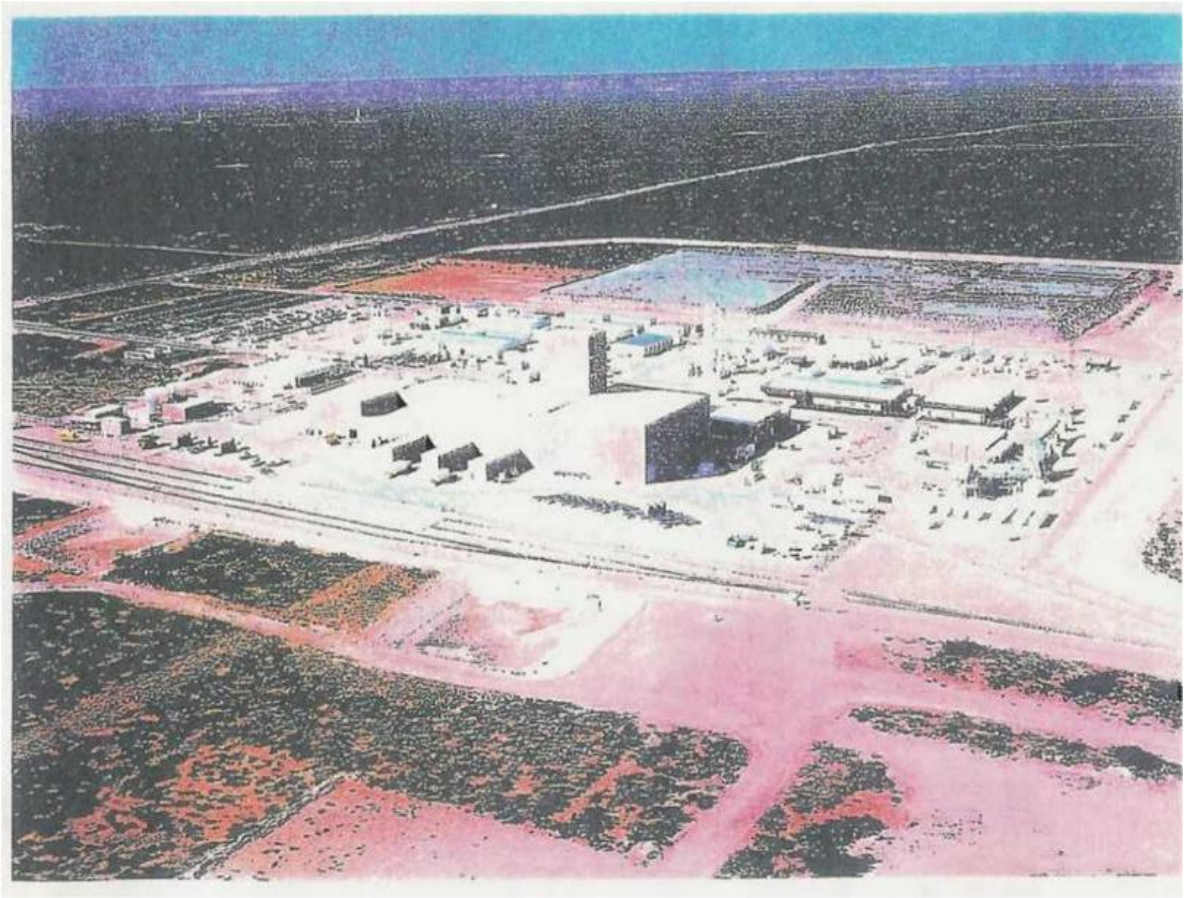

Figure ~~O~~ B4-3
Aerial Photograph of the Waste Handling Building

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

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

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

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

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

Figure ~~O~~ B4-9
Cask Unloading Room and Bridge Crane

Figure ~~O~~ B4-10
Hot Cell

Figure ~~O~~ B4-11
Transfer Cell

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