ATTACHMENT B

HAZARDOUS WASTE PERMIT APPLICATION PART A

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ATTACHMENT B

HAZARDOUS WASTE PERMIT APPLICATION PART A

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SEND COMPLETED FORM TO: The Appropriate State or Regional Office.	United States Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION FORM	A THE PROTECTION
1. Reason for Submittal MARK ALL BOX(ES) THAT APPLY	 Reason for Submittal: To provide an Initial Notification (first time submitting site identification information / to obta for this location) To provide a Subsequent Notification (to update site identification information for this location) To provide a Subsequent Notification (to update site identification information for this location) As a component of a First RCRA Hazardous Waste Part A Permit Application As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amend As a component of the Hazardous Waste Report (If marked, see sub-builte below) Site was a TSD facility and/or generator of >1,000 kg of hazardous waste, >1 kg of at >100 kg of acute hazardous waste spill cleanup in one or more months of the report y LQG regulations) 	ion) ment # <u>_32</u>) :ute hazardous waste, or
2. Site EPA ID Number	EPAID Number N M 4 8 9 0 1 3 9 0 8 8	
3. Site Name	Name: Waste Isolation Pilot Plant	
4. Site Location Information	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 Land Type		State Other
6. NAICS Code(s) for the Site (at least 5-digit	A. [5]6]2]2]1] C. []]	
codes) 7. Site Mailing Address	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	First Name: Todd MI: A Last: Shrader Title: Manager, Carlsbad Field Office (CBFO) Street or P.O. Box: P.O. Box 3090 City, Town or Village: Carlsbad	
	Country: USA State: NM Email: Todd.Shrader@cbfo.doe.gov Phone: (575) 234-7300 Ext:	Zip Code: 88221 Fax: (575) 234-7027
9. Legal Owner and Operator of the Site	A. Name of Site's Legal Owner: U.S. Department of Energy Owner Type: Private County District Federal Tribal Municipal Street or P.O. Box: Private	Date Became Owner: 05/18/1981 State Other Phone: (575) 234-7300
	City, Town, or Village: Carlsbad	A-A-2 (5) (3
	State: NM Country: USA	Zip Code: ⁸⁸²²¹ Date Became
	B. Name of Site's Operator: U.S. Department of Energy Operator Type: Private County District Federal Tribal Municipal	Operator: 05/18/1981
	Type: □ Private □ County □ District □ Federal □ Tribal □ Municipal	

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			Activity (at your site) Il current activities (as of	the date submitting the	form); complete any additional boxes as instructed.
A. Hazardo	us Was	te Activiti	ies; Complete all parts 1-1	0.	
YVND		"Yes," ma	of Hazardous Waste ark only one of the followin Generates, in any calenda	-	Y N V 5. Transporter of Hazardous Waste If "Yes," mark all that apply. a. Transporter
	_ a.	245.	(2,200 lbs/mo.) or more of Generates, in any calenda accumulates at any time, r (2.2 lbs/mo) of acute haza Generates, in any calenda accumulates at any time, r (220 lbs/mo) of acute haza material.	hazardous waste; or ir month, or more than 1 kg/mo rdous waste; or ir month, or more than 100 kg/mo	 Y ✓ N ☐ 6. Treater, Storer, or Disposer of Hazardous Waste Note: A hazardous waste Part B permit is required for these activities. Y ☐ N ☑ 7. Recycler of Hazardous Waste
	Db.	SQG:	100 to 1,000 kg/mo (220 - non-acute hazardous was		
	_	CESQG:	Less than 100 kg/mo (220 hazardous waste.		Y N N 8. Exempt Boiler and/or Industrial Furnace If "Yes," mark all that apply.
If "Yes	s" abov	e, indicate	e other generator activities	s in 2-10.	a. Small Quantity On-site Burner Exemption
Y□N☑	eve	nt and not	enerator (generate from a s from on-going processes). the Comments section.		 b. Smelting, Melting, and Refining Furnace Exemption
YDNØ	3. Un	ited States	s Importer of Hazardous V	Vaste	Y N I 9. Underground Injection Control
YØND	4. Mix	ed Waste	(hazardous and radioactiv	ve) Generator	$Y \fbox{} N \fbox{} 10.$ Receives Hazardous Waste from Off-site
B. Universa	al Wast	e Activitie	s; Complete all parts 1-2.		C. Used Oil Activities; Complete all parts 1-4.
Y 🗆 N [√ 1.	accumula regulatio types of	uantity Handler of Univers ate 5,000 kg or more) [refe ns to determine what is re universal waste managed that apply.	er to your State egulated]. Indicate	Y N I I. Used Oil Transporter If "Yes," mark all that apply. a. Transporter b. Transfer Facility (at your site)
		a. Batteri	95	•	Y N Z. Used Oil Processor and/or Re-refiner If "Yes," mark all that apply.
		b. Pestici		ň	a. Processor
		c. Mercu	ry containing equipment	ō	b. Re-refiner
		d. Lamps	5		
		e. Other	(specify)		Y IN I 3. Off-Specification Used Oil Burner
			(specify)		Y N V 4. Used Oil Fuel Marketer
		g. Other	(specify)		If "Yes," mark all that apply.
Y 🗆 N [√ 2.		ion Facility for Universal V hazardous waste permit ma		 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

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EPA ID Number		9 0 1 3 9			OMB#: 2050-00	24; Expires 01/31/2017
	demic Entities with L uant to 40 CFR Part :		cation for opting in	to or withdrawing fr	om managing lat	oratory hazardous
 You car 	n ONLY Opt into Sub	part K if:				
agre	are at least one of the ement with a college illege or university; AN	or university; or a not				formal affiliation filiation agreement with
• you	have checked with yo	our State to determine	if 40 CFR Part 262	Subpart K is effective	e in your state	
	Opting into or currently See the item-by-item					wastes in laboratories hat apply:
	a. College or Univer					
	 Teaching Hospita 				107	
	c. Non-profit Institut	e that is owned by o	or has a formal writ	ten affiliation agree	ment with a colle	ge or university
Y N 2. V	Vithdrawing from 40 C	FR Part 262 Subpart	K for the managem	ent of hazardous was	tes in laboratories	0
1. Description	of Hazardous Waste					
	s for Federally Regu at them in the order the eeded.					
D004	D019	D033	F001	P030	U043	U108
D005	D021	D034	F002	P098	U044	U122
D006	D022	D035	F003	P099	U052	U133
D007	D026	D036	F004	P106	U070	U134
D008	D027	D037	F005	P120	U072	U151
D009	D028	D038	F006	U002	U078	U154
D010	D029	D039	F007	U003	U079	U159
D011	D030	D040	F009	U019	U103	U196
D018	D032	D043	P015	U037	U105	More Codes Attch
	s for State-Regulated astes handled at your eeded.					
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2 3 EPA ID Number NM4890139088

	Additional Ha	zardous Waste Num	bers from Sectio	n 11	
U209					
U210					
U220					
U226					
U228					
U239					

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	1 3 9 0 8 8	OMB#: 2050-0024; Expires 01/31/2017
2. Notification of Hazardous Secondary Mate	erial (HSM) Activity	
	0.42 that you will begin managing, are managir 261.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (2	
If "Yes," you must fill out the Adden Material.	dum to the Site Identification Form: Notification	for Managing Hazardous Secondary
3. Comments		
on my inquiry of the person or persons who r information submitted is, to the best of my kn penalties for submitting false information, inc	hat this document and all attachments were pro- e that qualified personnel properly gather and e nanage the system, or those persons directly re owledge and belief, true, accurate, and comple luding the possibility of fines and imprisonment all owner(s) and operator(s) must sign (see 40	valuate the information submitted. Based esponsible for gathering the information, the te. I am aware that there are significant for knowing violations. For the RCRA
accordance with a system designed to assur on my inquiry of the person or persons who r information submitted is, to the best of my kn penalties for submitting false information, inc Hazardous Waste Part A Permit Application, Signature of legal owner, operator, or an	e that qualified personnel properly gather and e nanage the system, or those persons directly rr lowledge and belief, true, accurate, and comple luding the possibility of fines and imprisonment	valuate the information submitted. Based esponsible for gathering the information, the te. I am aware that there are significant for knowing violations. For the RCRA
accordance with a system designed to assur on my inquiry of the person or persons who r information submitted is, to the best of my kn penalties for submitting false information, inc	e that qualified personnel properly gather and e nanage the system, or those persons directly re lowledge and belief, true, accurate, and comple luding the possibility of fines and imprisonment all owner(s) and operator(s) must sign (see 40	valuate the information submitted. Based esponsible for gathering the information, the te. I am aware that there are significant for knowing violations. For the RCRA CFR 270.10(b) and 270.11). Date Signed
accordance with a system designed to assur on my inquiry of the person or persons who r information submitted is, to the best of my kn penalties for submitting false information, inc Hazardous Waste Part A Permit Application, Signature of legal owner, operator, or an authorized representative	e that qualified personnel properly gather and e nanage the system, or those persons directly rr lowledge and belief, true, accurate, and comple luding the possibility of fines and imprisonment all owner(s) and operator(s) must sign (see 40 Name and Official Title (type or print)	valuate the information submitted. Based esponsible for gathering the information, the te. I am aware that there are significant for knowing violations. For the RCRA CFR 270.10(b) and 270.11). Date Signed (mm/dd/yyyy)
accordance with a system designed to assur on my inquiry of the person or persons who r information submitted is, to the best of my kn penalties for submitting false information, inc Hazardous Waste Part A Permit Application, Signature of legal owner, operator, or an authorized representative Driginal Signature on File	e that qualified personnel properly gather and e manage the system, or those persons directly rr lowledge and belief, true, accurate, and comple luding the possibility of fines and imprisonment all owner(s) and operator(s) must sign (see 40 Name and Official Title (type or print) Todd A. Shrader, Manager-CBFO	valuate the information submitted. Based asponsible for gathering the information, the te. I am aware that there are significant for knowing violations. For the RCRA CFR 270.10(b) and 270.11). Date Signed (mm/dd/yyyy) 06/12/2017

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

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

. Facility Permit Contact	First N	ame:⊺	odd					MI: A	La	st Name:Sh	rader
	Contac	t Title	: Man	ager,	Carls	sbad	I Fie	ld Off	ice		
	Phone:	(575)	234-73	300					Ext.:		Email: Todd. Shrader@cbfo.doe.go
2. Facility Permit Contact Mailing	Street	or P.O	. Box:	P.O. I	Box 3	3090					
Address	City, To	own, o	or Villa	ge: Ca	arlsba	ad					
	State: N	M									
	Countr	y:US/	Ą							Zip Cod	e:88221
 Operator Mailing Address and 	Street	or P.O	. Box:	P.O. I	Box 3	3090	1				
Telephone Number	City, To	own, o	or Villa	ge: Ca	arlsba	ad					
	State: N	١M								Phone: (575)234-7300
	Countr	y:US/	Ą							Zip Cod	e:88221
 Facility Existence Date 	Facility	/ Exist	ence D	Date (r	nm/d	d/yy	yy):	05/18	/1981		
5. Other Environmental	Permits	R.									
A. Facility Type (Enter code)		E	B. Perr	mit Nu	mbe	r					C. Description
		Π							See F	Permit Attacl	nment B, Appendix B1
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N M 4 8 9 0 1 3 9 0 8 8 EPA ID Number

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

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

B. PROCESS DESIGN CAPACITY - For each code entered in Item 7.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)

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

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

Process Code	Process	Appropriate Unit of Measure for Process Design Capacity	Code	Proce		Appropriate Unit of Measure for Process Design Capacity
	Dis	posal	Tr	eatment (Contin	ued)	(for T81 – T94)
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; o Liters Per Day	r T81	Cement Kiln		Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour;
D80	Landfill	Acre-feet; Hectares-meter; Acres; Cubic Meters; Hectares; Cubic Yards	Т82	Lime Kiln		Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; BTU Per Hour; Liters Per Hour;
D81	Land Treatment	Acres or Hectares	T83	Aggregate Kiln		Kilograms Per Hour; or Million BTU Per Hour
D82	Ocean Disposal	Gallons Per Day or Liters Per Day	T84	Phosphate Kiln		Hour
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards	T85	Coke Oven		
D99	Other Disposal	Any Unit of Measure Listed Below	T86	Blast Furnace		
	Sto	rage	T87	Smelting, Meltin	ng, or Refining	Furnace
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards	T88	Titanium Dioxid	le Chloride Oxi	dation Reactor
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	Т89	Methane Reform	ming Furnace	
S03	Waste Pile	Cubic Yards or Cubic Meters	T90	Pulping Liquor		
S04	Surface Impoundment	Gallons; Liters; Cubic Meters; or Cubic Yards	T91	Combustion De Sulfuric Acid	vice Used in th	ne Recovery of Sulfur Values from Spent
S05	Drip Pad	Gallons; Liters; Cubic Meters; Hectares; or Cubic Yards	Т92	Halogen Acid F	umaces	
S06	Containment Building Storage	Cubic Yards or Cubic Meters	T93	Other Industrial	Furnaces Liste	ed in 40 CFR 260.10
S99	Other Storage	Any Unit of Measure Listed Below	uilding	Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per		
	Trea	tment		Treatment		Hour; BTU Per Hour; Pounds Per Hour;
T01 T02	Tank Treatment Surface Impoundment	Gallons Per Day; Liters Per Day Gallons Per Day; Liters Per Day				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
	1997/10/10/10/10/10/10/10/10/10/10/10/10/10/		-		Miscellaneou	
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters	X01	One Durale of		
		Per Hour; BTUs Per Hour; Pounds Per Hour; Short Tons Per Day;		Open Burning/ Detonation	Open	Any Unit of Measure Listed Below
		Kilograms Per Hour; Gallons Per Day; Metric Tons Per Hour; or Million BTU Per Hour	X02	Mechanical Pro	cessing	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
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per				Hour; or Gallons Per Day
		Hour; Kilograms Per Hour; Metric Tons Per Day; Short Tons Per Day BTUS Per Hour; Gallons Per Day; Liters Per Hour; or Million BTU Per Hour	8	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
T80	Boiler	r Gallons; Liters; Gallons Per Hour; Liters Per Hour; BTUs Per Hour; or Million BTU Per Hour			sitory	Per Hour Cubic Yards; Cubic Meters; Acre-feet;
	X99 Other Subpart X					Hectare-meter; Gallons; or Liters
Unit of Ma	easure Unit of Me	asure Code Unit of Measure		Measure Code	Unit of Meas	Any Unit of Measure Listed Below sure Unit of Measure Code
Gallons Gallons P Gallons P Liters Liters Per	er Hour er Day Hour	G Short Tons Per Hou E Short Tons Per Day U Metric Tons Per Hou L Metric Tons Per Day H Pounds Per Hour	r ır ′	D N W S	Cubic Yards Cubic Meter Acres Acre-feet Hectares	s
Liters Per	Day	V Kilograms Per Hour Million BTU Per Hou				ter F ur I

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E)		E FOR	COMP	LETING	3 Item 7 (shown in line number X-1 below):	: A facility has a storage t	ank, which can hold 53	3.788 g	allons.		
L	ne	A.	Proc Code	ess	B. PROCESS DESIGN CA	PACITY	C. Process Total	For	Officia	lleed	Only
Nui	nber	(Fro	m list a	bove)	(1) Amount (Specify)	(2) Unit of Measure	Number of Units	ru	Officia	050	Oray
х	1	s	0	2	533.788	G	001				
	1	Х	0	4	175600.00	С	010				
	2	S	0	1	194.1	С	001				
	3	S	0	1	242.0	С	001				
	4										
	5		i i								
	6										
	7										
	8	<u>.</u>									
	9										
1	0										
1	1										
1	2										
1 Not lum	3 e: If y ber th	e line	sequ	entially	re than 13 process codes, attach an a r, taking into account any lines that wi r instructions from Item 7 for D99. S99	ill be used for "other" p	process (i.e., D99, S9				
1 Not Num 8.	3 e: If y ber th Other	e line	sequ	entially		ill be used for "other" p	process (i.e., D99, S9				
1 Not lum 8. L Nui (Ente seq	3 e: If y ber th Other	Proce	sequ	(Follow Code	r, taking into account any lines that wi r instructions from Item 7 for D99, S99	ill be used for "other" p	process (i.e., D99, S9	9, T04,		99) in	Iten
1 Not lum 8. Nur (Ente seq with	3 e: If y ber th Other nber r #s in pence	Proce	sequi	(Follow Code	r, taking into account any lines that wi r instructions from Item 7 for D99, S99 B. PROCESS DESIGN CAPACITY	ill be used for "other" p 9, T04, and X99 process (2) Unit of	codes) C. Process Total	9, T04,	and X	99) in	Iten
1 Not lum 8. Nui Ente seq	3 be: If y ber th Other nber r #s in Jence tem 7)	A. Pr (Froi	sequi sses (cocess m list a	(Follow Code bove)	r, taking into account any lines that wi r instructions from Item 7 for D99, S99 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	ill be used for "other" p 9, T04, and X99 process (2) Unit of Measure	orocess (i.e., D99, SS s codes) C. Process Total Number of Units	9, T04,	and X	99) in	Iten
1 Not Lum 8. L Nui Ente seq vith	3 be: If y ber th Other nber r #s in Jence tem 7)	A. Pr (Froi	sequi sses (cocess m list a	(Follow Code bove)	r, taking into account any lines that wi r instructions from Item 7 for D99, S99 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	ill be used for "other" p 9, T04, and X99 process (2) Unit of Measure	orocess (i.e., D99, SS s codes) C. Process Total Number of Units	9, TO4,	and X	99) in	Iten
1 Not lum 8. Nui Ente seq	3 be: If y ber th Other nber r #s in Jence tem 7)	A. Pr (Froi	sequi sses (cocess m list a	(Follow Code bove)	r, taking into account any lines that wi r instructions from Item 7 for D99, S99 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	ill be used for "other" p 9, T04, and X99 process (2) Unit of Measure	orocess (i.e., D99, SS s codes) C. Process Total Number of Units	9, TO4,	and X	99) in	Iten
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1 Not lum 8. Nur (Ente seq with	3 be: If y ber th Other nber r #s in Jence tem 7)	A. Pr (Froi	sequi sses (cocess m list a	(Follow Code bove)	r, taking into account any lines that wi r instructions from Item 7 for D99, S99 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	ill be used for "other" p 9, T04, and X99 process (2) Unit of Measure	orocess (i.e., D99, SS s codes) C. Process Total Number of Units	9, TO4,	and X	99) in	Iten
1 Not lum 8. Nur (Ente seq with	3 be: If y ber th Other nber r #s in Jence tem 7)	A. Pr (Froi	sequi sses (cocess m list a	(Follow Code bove)	r, taking into account any lines that wi r instructions from Item 7 for D99, S99 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	ill be used for "other" p 9, T04, and X99 process (2) Unit of Measure	orocess (i.e., D99, SS s codes) C. Process Total Number of Units	9, TO4,	and X	99) in	Iten
1 Not lum 8. Nur (Ente seq with	3 be: If y ber th Other nber r #s in Jence tem 7)	A. Pr (Froi	sequi sses (cocess m list a	(Follow Code bove)	r, taking into account any lines that wi r instructions from Item 7 for D99, S99 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	ill be used for "other" p 9, T04, and X99 process (2) Unit of Measure	orocess (i.e., D99, SS s codes) C. Process Total Number of Units	9, TO4,	and X	99) in	Iten
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1 Not lum 8. Nur (Ente seq with	3 be: If y ber th Other nber r #s in Jence tem 7)	A. Pr (Froi	sequi sses (cocess m list a	(Follow Code bove)	r, taking into account any lines that wi r instructions from Item 7 for D99, S99 B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	ill be used for "other" p 9, T04, and X99 process (2) Unit of Measure	orocess (i.e., D99, SS s codes) C. Process Total Number of Units	9, TO4,	and X	99) in	Iten
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De	scrip	tion	of Haz	ardou	s Wa	stes - Enter Info	rmation in the	Secti	ons	on Fe	orm I	Page	5				
Α.	EP/ han	A HAZ	ARDOI	JS WA ardou	STE N s wast	IUMBER – Enter ti	ne four-digit num isted in 40 CFR, I	ber fr Part 2	om 40 61 Su) CFF	R, Par t D, e	t 261 nter t	Subp	ur-di			isted hazardous waste you will r(s) from 40 CFR Part 261, Subp
В.	ES ^T har	TIMA	TED A on an	NNUA	AL QU	ANTITY – For esis. For each ch	ach listed wast aracteristic or	e ent toxic	ered	in Ite tamii	em 9. nant	A, e ente	stima red in	ite th n lter	m 9./	A, es	ty of that waste that will be timate the total annual
C.	UN	IT OF	MEAS	SURE	– For	ted waste(s) tha each quantity e codes are:											ontaminant. is of measure which must be
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D.	PR	OCES	SES														
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		proc	ess c	odes	conta		A and 8.A on pa										code(s) from the list of ill be used to store, treat,
		proc	ess c	odes	conta	ined in Items 7.	A and 8.A on pa	ige 3	to in	dica	te all	l the	proc	esse	s tha	at wi	t the code(s) from the list of Il be used to store, treat, ic contaminant.
		NOT	E: TH	IREE	SPAC	ES ARE PROVI	DED FOR ENTE	RING	G PR	OCE	SS C	ODE	S. IF	MO	RE /	ARE	NEEDED:
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		3.	Use a	dditio	nal sł	neet, enter line r	number from pr	evio	us sh	eet,	and	enter	add	ition	al co	ode(s	s) in Item 9.E.
	2.	Item	9.E(2).													rocess in Item 9.D(2) or in
		was	tes tha	at can	be de	escribed by mor	e than one EP/	A Haz	ardo	us V	/aste	Nur	nber	shal	l be	desc	ENUMBER – Hazardous cribed on the form as follow
			and 9	D by	estim		nnual quantity										line complete Items 9.B, 9.C sses to be used to store,
			Item 9	.D.2 d	on tha	t line enter "inc	luded with abo	ve" a	nd m	ake	no o	ther	entri	es o	n tha	t lin	
																	nazardous waste.
es an wa	timat d dis aste.	ed 90 pose The c	0 pou of thr other v	nds p ee no waste	er yea n-liste is coi	ar of chrome sh ed wastes. Two	avings from lea wastes are cor table and there	ther rosiv	tann /e on	ing a ly an	nd fi d the	nish ere w	ing o vill be	pera an	estin	s. In nate	will treat and dispose of an addition, the facility will tre d 200 pounds per year of ea r of that waste. Treatment w
		A.	EPA	Hazard	lous	B. Estimated	C. Unit of							D.	PRO	CESS	ES
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		EPA H	lazard		Stes (Continued B. Estimated Annual	C. Unit of									ESS	
Line Number	(Wast Enter			Qty of Waste	Measure (Enter code)		(1) P	ROCI	ESS C	ODE	S (En	ter C	ode)		(2) PROCESS DESCRIPTION (If code is not entered in 9.D(1))
1	F	0	0	1	1891	М	Х	0	4	S	0	1	S	0	1	
2	F	0	0	2	1860	М	Х	0	4	S	0	1	S	0	1	
3	F	0	0	3	1593	М	X	0	4	s	0	1	s	0	1	
4	F	0	0	4	26	М	X	0	4	s	0	1	s	0	1	
5	F	0	0	5	1829	М	Х	0	4	S	0	1	s	0	1	
6	F	0	0	6	915	М	X	0	4	S	0	1	S	0	1	
7	F	0	0	7	915	М	X	0	4	S	0	1	s	0	1	
8	F	0	0	9	915	М	Х	0	4	S	0	1	S	0	1	
9	D	0	0	4	903	М	X	0	4	S	0	1	S	0	1	
1 0	D	0	0	5	484	М	X	0	4	S	0	1	S	0	1	
1 1	D	0	0	6	1819	М	X	0	4	S	0	1	S	0	1	
1 2	D	0	0	7	1248	М	X	0	4	s	0	1	S	0	1	
1 3	D	0	0	8	3246	М	Х	0	4	S	0	1	S	0	1	
1 4	D	0	0	9	1727	М	X	0	4	S	0	1	S	0	1	
1 5	D	0	1	0	186	М	X	0	4	S	0	1	S	0	1	
1 6	D	0	1	1	1090	М	X	0	4	S	0	1	s	0	1	
1 7	D	0	1	8	749	М	X	0	4	S	0	1	S	0	1	
1 8	D	0	1	9	761	М	X	0	4	S	0	1	S	0	1	
1 9	D	0	2	1	26	М	X	0	4	S	0	1	S	0	1	
2 0	D	0	2	2	1098	М	X	0	4	S	0	1	S	0	1	
2 1	D	0	2	6	609	М	X	0	4	S	0	1	S	0	1	
2 2	D	0	2	7	26	М	X	0	4	S	0	1	S	0	1	
2 3	D	0	2	8	449	М	X	0	4	s	0	1	S	0	1	
2 4	D	0	2	9	478	М	X	0	4	S	0	1	s	0	1	
2 5	D	0	3	0	26	М	X	0	4	S	0	1	S	0	1	
2 6	D	0	3	2	26	М	X	0	4	S	0	1	S	0	1	
2 7	D	0	3	4	26	М	Х	0	4	S	0	1	S	0	1	
2 8	D	0	3	5	139	М	X	0	4	S	0	1	S	0	1	
2 9	D	0	3	6	26	М	X	0	4	S	0	1	S	0	1	
3 0	D	0	3	7	26	М	X	0	4	s	0	1	s	0	1	
3 1	D	0	3	8	26	М	X	0	4	S	0	1	s	0	1	
3 2	D	0	3	9	26	М	X	0	4	S	0	1	s	0	1	
3 3	D	0	4	0	140	М	X	0	4	S	0	1	S	0	1	
3 4	D	0	4	3	26	М	X	0	4	s	0	1	s	0	1	
3 5	Р	0	1	5	945	М	X	0	4	S	0	1	s	0	1	
3 6	U	0	0	2	344	м	X	0	4	S	0	1	S	0	1	

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9. D	escript			lazard		B. Estimated	C. Unit of	ai sh	eet(s) as	nece	ssar	γ; nι		_	cess		
ine N	umber	(e No. code)		Annual Qty of Waste	Measure (Enter code)		(1) PROCESS CODES (Enter Code)				(2) PROCESS DESCRIPTION (If code is not entered in 9.D.1					
3	7	U	0	1	9	344	М	X	0	4	s	0	1	s	0	1		
3	8	U	0	3	7	344	М	Х	0	4	S	0	1	s	0	1		
3	9	U	0	4	3	344	М	Х	0	4	S	0	1	s	0	1		
4	0	U	0	4	4	344	М	X	0	4	S	0	1	S	0	1		
4	1	U	0	5	2	344	М	Х	0	4	S	0	1	S	0	1		
4	2	U	0	7	0	344	М	X	0	4	s	0	1	s	0	1		
4	3	U	0	7	2	344	М	X	0	4	S	0	1	s	0	1		
4	4	U	0	7	8	344	М	X	0	4	S	0	1	S	0	1		
4	5	U	0	7	9	344	М	X	0	4	s	0	1	s	0	1		
4	6	U	1	0	5	344	М	X	0	4	s	0	1	s	0	1		
4	7	U	1	2	2	344	М	X	0	4	s	0	1	s	0	1		
4	8	U	1	3	3	344	М	X	0	4	s	0	1	s	0	1		
4	9	U	1	5	1	344	М	X	0	4	s	0	1	s	0	1		
5	0	U	1	5	4	344	М	X	0	4	s	0	1	s	0	1		
5	1	U	1	5	9	344	М	X	0	4	s	0	1	s	0	1		
5	2	U	1	9	6	344	М	X	0	4	S	0	1	s	0	1		
5	3	U	2	0	9	344	М	X	0	4	s	0	1	s	0	1		
5	4	U	2	1	0	344	М	X	0	4	S	0	1	s	0	1		
5	5	U	2	2	0	344	М	X	0	4	s	0	1	s	0	1		
5	6	U	2	2	6	344	М	X	0	4	s	0	1	s	0	1		
5	7	U	2	2	8	344	М	X	0	4	s	0	1	s	0	1		
5	8	U	2	3	9	344	М	X	0	4	S	0	1	s	0	1		
5	9	Ρ	1	2	0	344	М	X	0	4	s	0	1	s	0	1		
6	0	U	1	3	4	344	М	X	0	4	s	0	1	s	0	1		
6	1	D	0	3	3	344	М	X	0	4	s	0	1	s	0	1		
6	2	Р	0	3	0	344	М	X	0	4	s	0	1	s	0	1		
6	3	9	0	9	8	344	М	X	0	4	s	0	1	s	0	1		
6	4	Ρ	0	9	9	344	М	X	0	4	s	0	1	S	0	1		
6	5	Ρ	1	0	6	344	М	X	0	4	s	0	1	s	0	1		
6	6	U	0	0	3	344	М	X	0	4	S	0	1	s	0	1		
6	7	U	1	0	3	344	М	X	-	4	s	0	1	-	0	1		
6	8	U	1	0	8	344	М	х	0	4	s	0	1	s	0	1		
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10.	Мар
	Attach to this application a topographical map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all spring, rivers, and other surface water bodies in this map area. See instructions for precise requirements.
11.	Facility Drawing
	All existing facilities must include a scale drawing of the facility (see instructions for more detail).
12.	Photographs
	All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment, and disposal areas; and sites of future storage, treatment, or disposal areas (see instructions for more detail).
13.	Comments
See	parrative to RCRA Subtitle C Site Identification Form Section 7 DROCESS - CODES AND DESIGN CADACITIES

See narrative to RCRA Subtitle C Site Identification Form, Section 7. PROCESS - CODES AND DESIGN CAPACITIES (continued).

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2 7. PROCESS—CODES AND DESIGN CAPACITIES (continued)

The Waste Isolation Pilot Plant (WIPP) geologic repository is defined as a "miscellaneous unit" 3 under 40 CFR §260.10. "Miscellaneous unit" means a hazardous waste management unit 4 where hazardous waste is treated, stored, or disposed of and that is not a container, tank, 5 surface impoundment, waste pile, land treatment unit, landfill, incinerator, containment building, 6 boiler, industrial furnace, or underground injection well with appropriate technical standards 7 under 40 CFR Part 146, corrective action management unit, or unit eligible for research, 8 development, and demonstration permit under 40 CFR §270.65. The WIPP is a geologic 9 repository designed for the disposal of defense-generated transuranic (TRU) waste. Some of 10 the TRU wastes disposed of at the WIPP contain hazardous wastes as co-contaminants. More 11 than half the waste to be disposed of at the WIPP also meets the definition of debris waste. The 12 debris categories include manufactured goods, biological materials, and naturally occurring 13 geological materials. Approximately 120,000 cubic meters (m³) of the 175,600 m³ of WIPP 14 wastes is categorized as debris waste. The geologic repository has been divided into ten 15 discrete hazardous waste management units (HWMU) which are being permitted under 40 CFR 16 Part 264, Subpart X. 17

During the Disposal Phase of the facility, which is expected to last 25 years, the total amount of

¹⁹ waste received from off-site generators and any derived waste will be limited to 175,600 m³ of

TRU waste of which up to 7,080 m³ may be remote-handled (RH) TRU mixed waste. For

21 purposes of this application, all TRU waste is managed as though it were mixed.

The process design capacity for the miscellaneous unit (composed of ten underground HWMUs 22 in the geologic repository) shown in Section 7 B, is for the maximum amount of waste that may 23 be received from off-site generators plus the maximum expected amount of derived wastes that 24 may be generated at the WIPP facility. In addition, two HWMUs have been designated as 25 container storage units (S01) in Section 7 B. One is inside the Waste Handling Building (WHB) 26 and consists of the contact-handled (CH) bay, waste shaft conveyance loading room, waste 27 shaft conveyance entry room, RH bay, cask unloading room, hot cell, transfer cell, and facility 28 cask loading room. This HWMU will be used for waste receipt, handling, and storage (including 29 storage of derived waste) prior to emplacement in the underground geologic repository. No 30 treatment or disposal will occur in this S01 HWMU. The capacity of this S01 unit for storage is 31 194.1 m³, based on 36 ten-drum overpacks on 18 facility pallets, four CH Packages at the 32 TRUDOCKs, one standard waste box of derived waste, two loaded casks and one 55-gallon 33 drum of derived waste in the RH Bay, one loaded cask in the Cask Unloading Room, 13 55-34 gallon drums in the Hot Cell, one canister in the Transfer Cell and one canister in the Facility 35 Cask Unloading Room. The second S01 HWMU is the parking area outside the WHB where the 36 Contact- and Remote-Handled Package trailers and the road cask trailers will be parked 37 awaiting waste handling operations. The capacity of this unit is 50 Contact-Handled Packages 38 and twelve Remote-Handled Packages with a combined volume of 242 m³. The HWMUs are 39 shown in Figures B3-2, B3-3, and B3-4. 40

During the ten year period of the permit, up to 148,500 m³ of CH TRU mixed waste could be emplaced in Panels 1 to 8 and up to 2,635 m³ of RH TRU mixed waste could be emplaced in Panels 4 to 8. Panels 9 and 10 will be constructed under the initial term of this permit. These

44 latter areas will not receive waste for disposal under this permit.

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RCRA PART A APPLICATION CERTIFICATION

The U.S. Department of Energy (DOE), through its Carlsbad Field Office, has signed as "owner and operator," and Nuclear Waste Partnership LLC, the Management and Operating Contractor (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:

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

27	Owner and Operator Signature:	Original signed by Todd A. Shrader
28	Title:	Manager, Carlsbad Field Office
29	for:	U.S. Department of Energy
30	Date:	<u>06/12/2017</u>
31	Co-Operator Signature:	Original signed by Bruce C. Covert
32	Title:	Project Manager
33	for:	Nuclear Waste Partnership LLC
34	Date:	06/12/2017
35		

1	APPENDIX B1
2	OTHER ENVIRONMENTAL PERMITS
3	

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Active Environmental Permits and Approvals for the Waste Isolation Pilot Plant as of June 2017

	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 Water Pipeline	NM053809	08/17/83 (Transferred 05/15/06 to City of Carlsbad)	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 Railroad	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 2 Survey Monuments	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 of NM LLC)	09/04/11	Active Renewal In Process
9.	Department of the Interior, Bureau of Land Management	Right-of-Way for SPS 115 KV Powerline	NM043203	10/19/81 (Southwestern Public Service)	12/31/40	Active
10.	Department of the Interior, Bureau of Land Management	Right-of-Way for South Access Road	NM123703	01/27/10	12/31/39	Active
11.	Department of the Interior, Bureau of Land Management	Right-of-Way for Duval telephone line	NM060174	03/08/85 (Valor Telecom of NM LLC)	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

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
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
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	Active
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	09/27/16	Inactive
17.	Department of Interior, Bureau of Land Management	Right of Way for Valor Telecom	NM113339	08/09/05 (Valor Telecom Inc)	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 High Volume Air Sampler	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
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	Storage Tank Registration Certificate	Registration Number 1767 Facility Number 31539	07/01/16	06/30/17	Active
23.	Office of New Mexico State Engineer	Monitoring Well Exhaust Shaft Exploratory Borehole	C-2801	02/23/01	None	Inactive

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
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	03/02/02	None	Active
27.	Office of New Mexico State Engineer	Appropriation: WQSP-1 Well	C-2413	10/21/96	None	Active
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 Cabin Baby	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

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
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
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

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
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
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

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
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
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	Active
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

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
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
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

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
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
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	04/30/08	04/30/18	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

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
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
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	NM110735	10/17/03	10/17/33	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 SPS 69KV Electric Distribution line	NM091163	12/16/94 (Southwestern Public Service)	12/15/24	Active

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
134.	Office of New Mexico State Engineer	Monitor Well H-11b4R	C-2769-POD2	05/16/11	None	Active
135.	Office of New Mexico State Engineer	Monitor 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	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	RW-28537	08/27/03	08/27/38	Active
138	Office of New Mexico State Engineer	Monitor Well H-12bR	C-3749 POD1	06/24/14	None	Active
139	Department of the Interior, Bureau of Land Management	Right-of-Way grant for H-12bR Access Road and well pad	NM-131916	06/19/14	12/31/43	Active
140	Office of New Mexico State Engineer	Monitor Well H-10cR	C-3851	07/09/15	None	Active

² *Non DOE grantee is noted

3 P&A=Plugged and Abandoned

(APPENDIX B2 MAPS I

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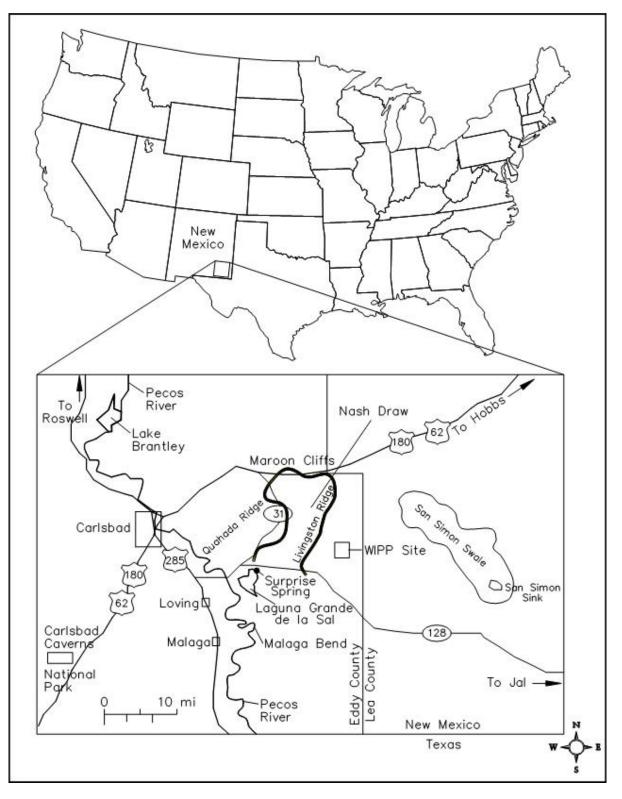
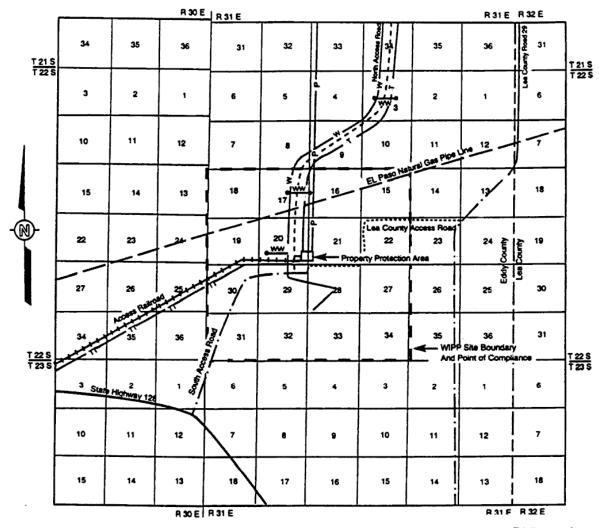


Figure B2-1 General Location of the WIPP Facility

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This Illustration for Information Purposes only.

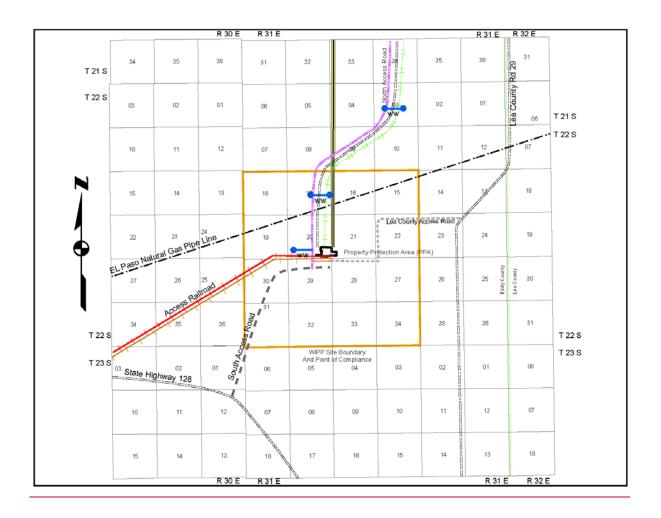


Figure B2-2 Planimetric Map-WIPP Facility Boundaries

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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 Carisbad 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

- 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.
- 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.
٠	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.

<u>NOTES</u>

- 1. The Property Protection Area is a fenced area of approximately 40 acres. It contains all surface facilities with the 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.
•	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

- The Property Protection Area is a fenced area of approximately 44 acres. It contains all surface facilities with the exception of salt storage piles, parking lot, landfill and waste water stabilization lagoons.
- 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

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

Figure B2-3 Topographic Map

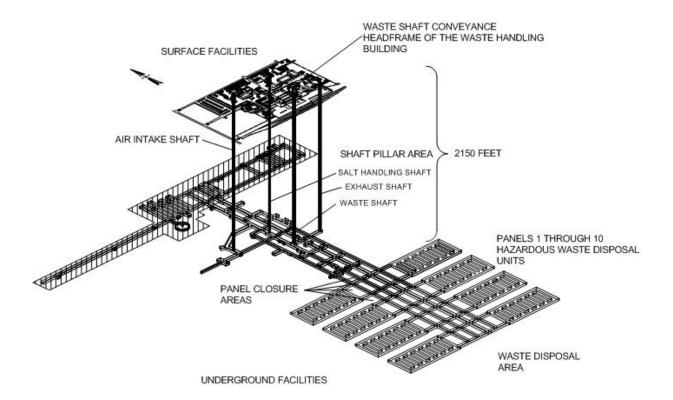
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APPENDIX B3 FACILITIES

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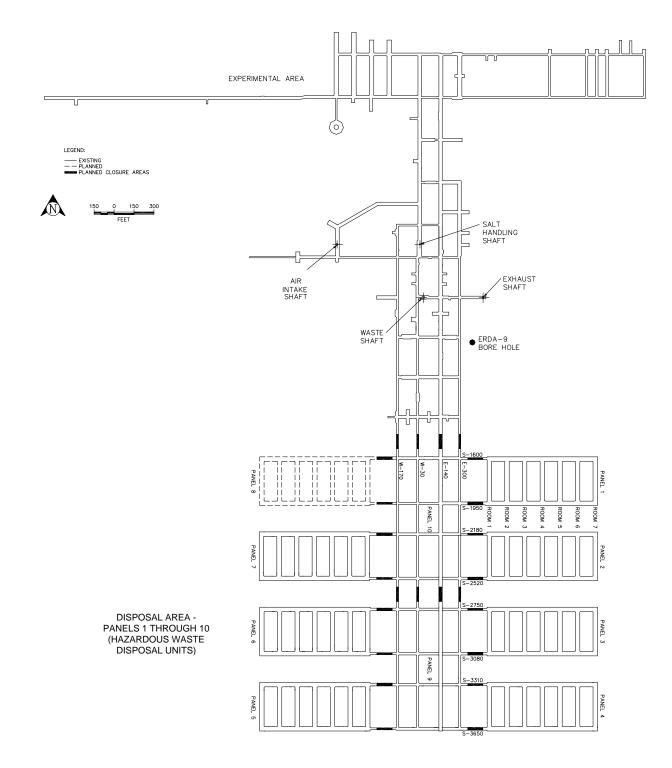


Figure B3-2 Repository Horizon

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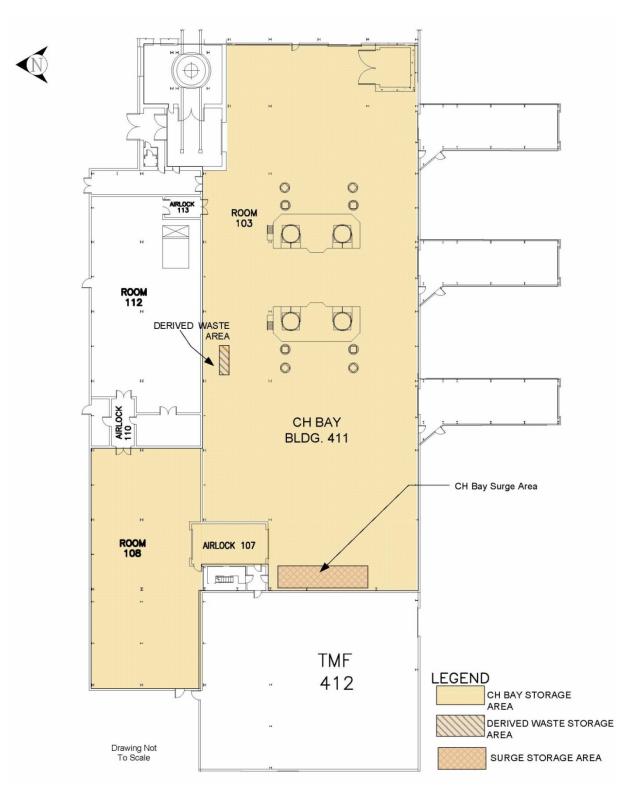


Figure B3-3 Waste Handling Building - CH TRU Mixed Waste Container Storage and Surge Areas

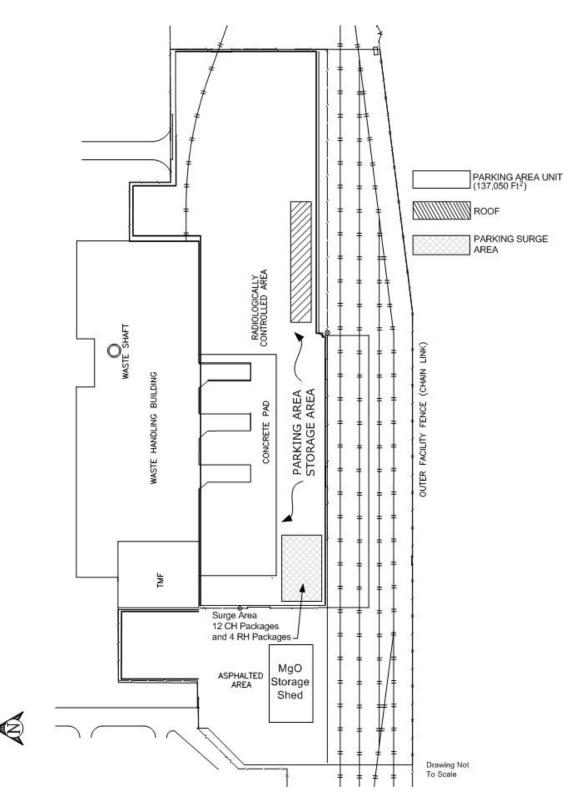


Figure B3-4 Parking Area-Container Storage and Surge Areas

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APPENDIX B4 PHOTOGRAPHS

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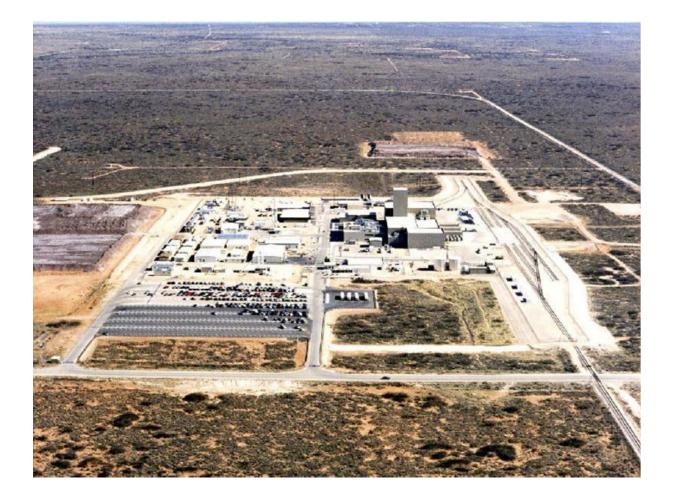


Figure B4-1 Aerial Photograph of the Waste Isolation Pilot Plant

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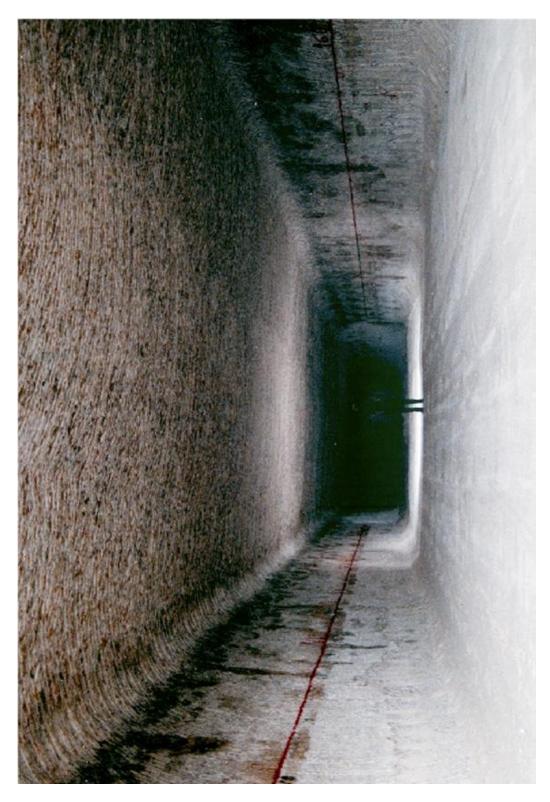


Figure B4-2 Underground - Panel One - Waste Disposal Room

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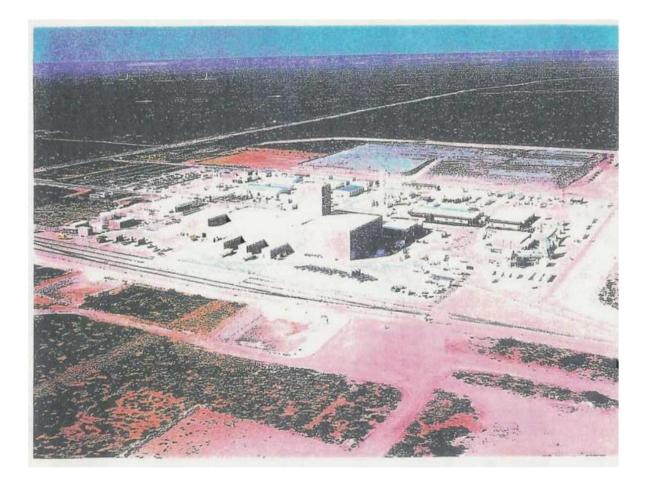


Figure B4-3 Aerial Photograph of the Waste Handling Building

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

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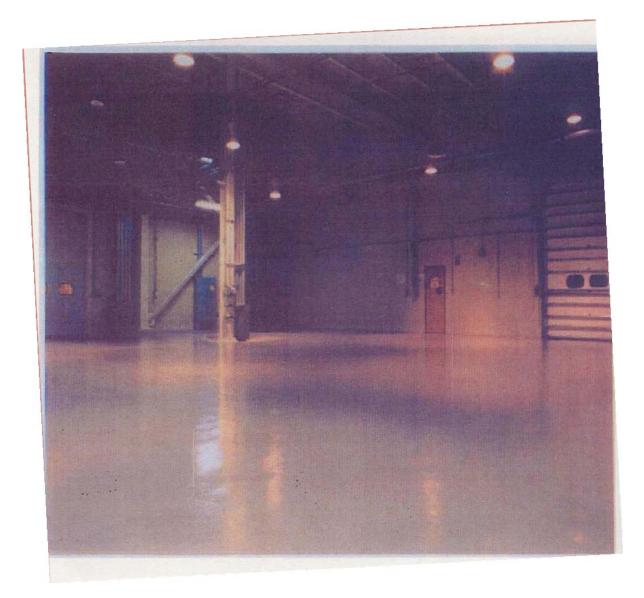


Figure B4-5 NE Corner of CH Bay of the Waste Handling Building

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Waste Isolation Pilot Plant Hazardous Waste Permit March 2018September 2017

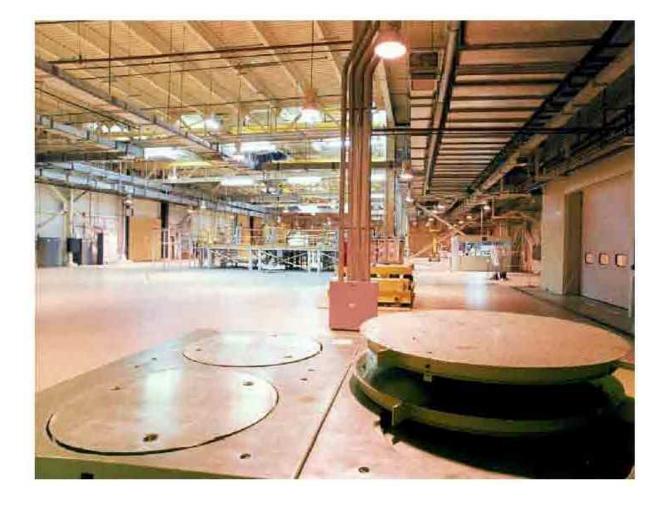


Figure B4-6 Westward View of CH Bay of the Waste Handling Building

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

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Waste Isolation Pilot Plant Hazardous Waste Permit March 2018September 2017

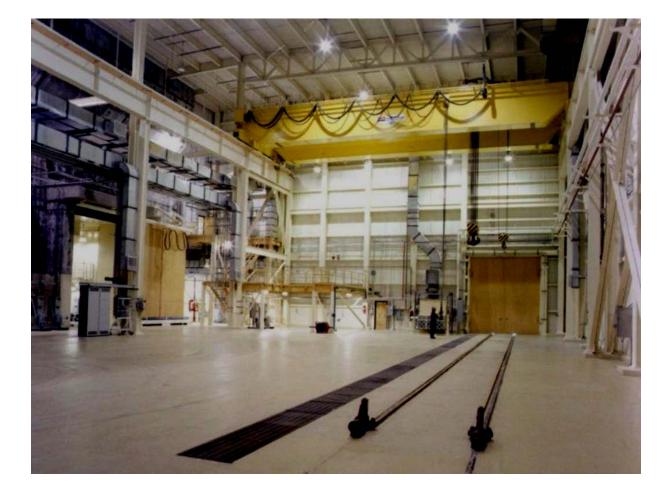


Figure B4-8 RH Bay (Photo Taken July 2000)

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Figure B4-9 Cask Unloading Room and Bridge Crane

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Figure B4-10 Hot Cell

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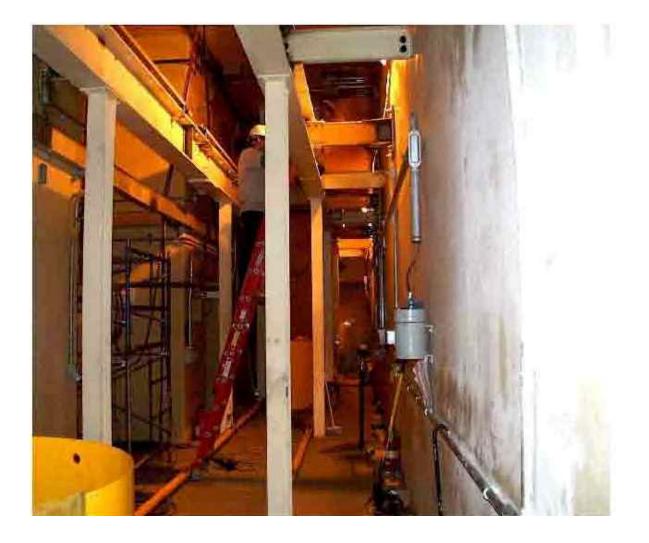


Figure B4-11 Transfer Cell

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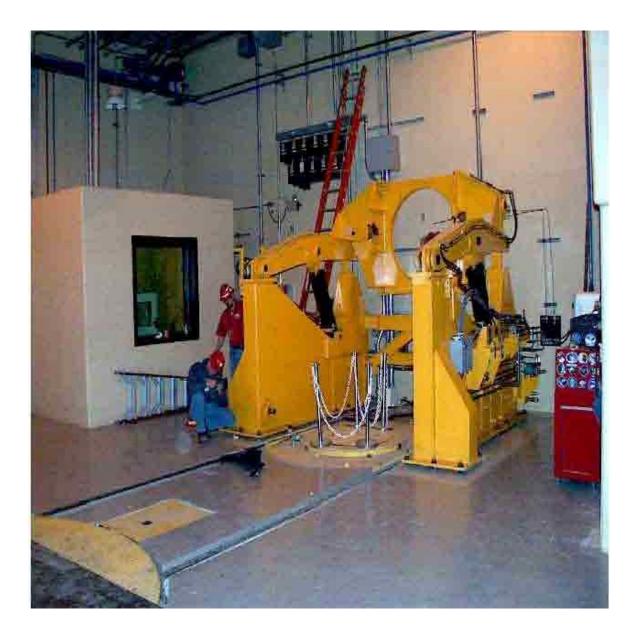


Figure B4-12 Facility Cask Loading Room and Facility Cask Rotating Device

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