ATTACHMENT O

HAZARDOUS WASTE PERMIT APPLICATION PART A

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Form Approved, OMB No. 2050-0034 Expires 10/31/02
GSA No. 0248-EPA-OT

For EPA Regional Use Only

Date Received
Month Day Year

United States Environmental Protection Agency
Washington, DC 20460

Hazardous Waste Permit Application Part A

(Read the Instructions before starting)

I. Facility's EPA ID Number ***(Mark 'X' in the appropriate box)***

[ ] A. First Part A Submission

[X] B. Revised Part A Submission (Amendment # 19)

C. Facility's EPA ID Number: NM489013908 8

D. Secondary ID Number *(If applicable)*:

II. Name of Facility: WASTE ISOLATION PILOT PLANT

III. Facility Location ***(Physical address not P.O. Box or Route Number)***

A. Street: 30 MILES EAST OF CARLSBAD ON

Street *(Continued)*: JAL HIGHWAY

City or Town: CARLSBAD

State: NM

Zip Code: 88221 —

County Code (if known): 03

County Name: EDDY

B. Land Type (Enter code): F

C. Geographic Location

LATITUDE (Degrees, minutes, & seconds): 32 22 30 N

LONGITUDE (Degrees, minutes & seconds): 103 47 30 W

D. Facility Existence Date

Month Day Year: 05 18 1981

IV. Facility Mailing Address

Street or P.O. Box: PO BOX 3090

City or Town: CARLSBAD

State: NM

Zip Code: 88221 — 3090

V. Facility Contact ***(Person to be contacted regarding waste activities at facility)***

Name *(Last)*: TRIAY

(First): INES

Job Title: ACTING MANAGER

Phone Number *(Area Code and Number)*: 505 — 234 — 7300

VI. Facility Contact Address ***(See instructions)***

A. Contact Address

Location	Mailing	Other
	X	

B. Street or P.O. Box: PO BOX 3090

City or Town: CARLSBAD

State: NM

Zip Code: 88221 — 3090

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ATTACHMENT O

HAZARDOUS WASTE PERMIT APPLICATION PART A

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XII. PROCESS—CODES AND DESIGN CAPACITIES (continued)

The Waste Isolation Pilot Plant (WIPP) geologic repository is defined as a "miscellaneous unit" under 20.4.1.100 NMAC (incorporating 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 20.4.1.900 NMAC (incorporating 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, conveyance loading room, waste hoist 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 263.04 m^3. The second S01 HWMU is the parking area outside the WHB where the Remote- and Contact- Handled Package trailers and the road cask trailers will be parked awaiting waste handling operations. The capacity of this unit is 50 Contact- and 14 Remote- Handled Packages with a combined volume of 202.5 m^3. The railroad side tracks are included in this area to accomodate rail shipments of TRU mixed waste. These 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 54,000 m^3 * of CH TRU mixed waste and 3,500 m^3 **of RH TRU mixed waste could be emplaced under this permit***.

* [Editorial Note: This number is being modified by a pending Class 3 Permit Modification Request]

** [Editorial Note: Because the number of panels is being modified by a pending Class 3 Permit Modification Request, this number represents 700 m^3 of RH TRU mixed waste in each of the 5 panels which equals 3,500 m^3 of RH TRU mixed waste.]

*** [Editorial Note: This number is being modified by a pending Class 3 Permit Modification Request.]

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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: waste handling, monitoring, record keeping, 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: Inez Triay
Title: Acting Manager, Carlsbad Field Office
for: U.S. Department of Energy
Date: 6/9/05

Co-Operator Signature: R D Haag
Title: General Manager
for: Washington TRU Solutions, LLC
Date: 6/9/05

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EPA ID Number *(Enter from page 1)*	Secondary ID Number *(Enter from page 1)*
NM489013908 8	

VII. Operator Information *(See instructions)*

A. Name of Operator			
US DEPARTMENT OF ENERGY			
Street or P.O. Box			
PO BOX 3090			
City or Town	**State**	**ZIP Code**	
CARLSBAD	NM	88221—3090	

Phone Number *(Area Code and Number)*	B. Operator Type	C. Change of Operator Indicator	Date Changed Month	Day	Year
505—234—7300	F	Yes [ ] No [X]			

VIII. Facility Owner *(See instructions)*

A. Name of Facility's Legal Owner			
US DEPARTMENT OF ENERGY			
Street or P.O. Box			
PO BOX 3090			
City or Town	**State**	**ZIP Code**	
CARLSBAD	NM	88221—3090	

Phone Number *(Area Code and Number)*	B. Owner Type	C. Change of Owner Indicator	Date Changed Month	Day	Year
505—234—7300	F	Yes [ ] No [X]			

IX. NAICS Codes *(in order of significance; start in left box)*

First	4953	**Third**	
(Description)	REFUSE SYSTEMS	*(Description)*	
Second		**Fourth**	
(Description)		*(Description)*	

X. Other Environmental Permits *(See instructions)*

A. Permit Type *(Enter code)*	B. Permit Number	C. Description
E		*See Appendix O1, Table O1-1

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NM489013908 8	

VII. Operator Information *(See instructions)*

A. Name of Operator	
U S DEPARTMENT OF ENERGY	
Street or P.O. Box	
PO BOX 3090	
City or Town	**State** / **ZIP Code**
CARLSBAD	NM 88221—3090

Phone Number *(Area Code and Number)*	B. Operator Type	C. Change of Operator Indicator	Date Changed Month	Day	Year
505—234—7300	F	Yes ☐ No X			

VIII. Facility Owner *(See instructions)*

A. Name of Facility's Legal Owner	
U S DEPARTMENT OF ENERGY	
Street or P.O. Box	
PO BOX 3090	
City or Town	**State** / **ZIP Code**
CARLSBAD	NM 88221—3090

Phone Number *(Area Code and Number)*	B. Owner Type	C. Change of Owner Indicator	Date Changed Month	Day	Year
505—234—7300	F	Yes ☐ No X			

IX. NAICS Codes *(in order of significance; start in left box)*

First	Third
4953	
(Description) REFUSE SYSTEMS	*(Description)*
Second	**Fourth**
(Description)	*(Description)*

X. Other Environmental Permits *(See instructions)*

A. Permit Type *(Enter code)*	B. Permit Number	C. Description
E		*See Appendix O1, Table O1-1

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EPA ID Number *(Enter from page 1)*												Secondary ID Number *(Enter from page 1)*											
N	M	4	8	9	0	1	3	9	0	8	8												

XI. Nature of Business *(Provide a brief description)*

The Waste Isolation Pilot Plant (WIPP) is a U.S. Department of Energy facility intended to demonstrate the technical and operational principles involved in the permanent isolation and disposal of defense-generated transuranic waste. For purposes of RCRA, WIPP operations entail 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.

XII. Process Codes and Design Capacities

A. PROCESS CODE - *Enter the code from the list of process codes below that best describes each process to be used at the facility. Thirteen 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), describe the process (including its design capacity) in the space provided in item XIII.*

B. PROCESS DESIGN CAPACITY - *For each code entered in column 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 column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.*

C. PROCESS TOTAL NUMBER OF UNITS - *Enter the total number of units used with the 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 Listed 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 Listed Below
	Treatment:	
T01	Tank Treatment	Gallons Per Day; Liters Per Day; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; or Metric Tons Per Hour
T02	Surface Impoundment Treatment	Gallons Per Day; Liters Per Day; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; or Metric Tons Per Hour
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
T81	Cement Kiln	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
T82	Lime Kiln	
T83	Aggregate Kiln	
T84	Phosphate Kiln	
T85	Coke Oven	
T86	Blast Furnace	
T87	Smelting, Melting, Or Refining Furnace	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 Hour; Liters Per Hour; or Million Btu Per Hour
T88	Titanium Dioxide Chloride Oxidation Reactor	
T89	Methane Reforming Furnace	
T90	Pulping Liquor Recovery Furnace	
T91	Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid	
T92	Halogen Acid Furnaces	
T93	Other Industrial Furnaces Listed in 40 CFR §260.10	
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 Listed 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	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons	G	Short Tons Per Hour	D	Cubic Yards	Y
Gallons Per Hour	E	Metric Tons Per Hour	W	Cubic Meters	C
Gallons Per Day	U	Short Tons Per Day	N	Acres	B
Liters	L	Metric Tons Per Day	S	Acre-feet	A
Liters Per Hour	H	Pounds Per Hour	J	Hectares	Q
Liters Per Day	V	Kilograms Per Hour	R	Hectare-meter	F
		Million Btu Per Hour	X	Btu Per Hour	I

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

XII. Process Codes and Design Capabilities *(Continued)*

EXAMPLE FOR COMPLETING ITEM XII (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	175,600 Total (54,064 in 10 years)	C	0 1 0	
	2				See attached page for additional process information			
	3	S	0	1	91.9	C	0 0 1	
	4				WHB Container Storage Unit See attached page for additional process information			
	5	S	0	1	47.1	C	0 0 1	
	6				Parking Area Container Storage Unit See attached page for additional process information			
	7							
	8							
	9							
1	0							
1	1							
1	2							
1	3							

NOTE: If you need to list more than 13 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 XIII.

XIII. Other Processes *(Follow instructions from item XII for D99, S99, T04 and X99 process codes)*

Line Number (Enter #s in seq w/XII)		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	1	T	0	4	.			In-situ Vitrification
	1				.			
	2				.			
	3				.			
	4				.			

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EPA ID Number *(Enter from page 1)*												Secondary ID Number *(Enter from page 1)*											
N	M	4	8	9	0	1	3	9	0	8	8												

XIV. Description of Hazardous Wastes

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 column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column 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 column 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 column A select the code(s) from the list of process codes contained in item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in item XII A. 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 XIV-D(1).*
3. *Use additional sheet, enter line number from previous sheet, and enter additional code(s) in item XIV-E.*

2. **PROCESS DESCRIPTION:** *If a code is not listed for a process that will be used, describe the process in the space provided on the form (D.(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 column A. On the same line complete columns 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 column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column 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 XIV (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 operation. 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 HAZARD WASTE NO. (Enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESS (1) PROCESS CODES (Enter)									D. PROCESS (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

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EPA ID Number *(Enter from page 1)*	Secondary ID Number *(Enter from page 1)*
N M 4 8 9 0 1 3 9 0 8 8	

XIV. Description of Hazardous Wastes *(Continued; use additional sheets as necessary)*

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	1,891	M	X	0	4	S	0	1	S	0	1	
	2	F	0	0	2	1,860	M	X	0	4	S	0	1	S	0	1	
	3	F	0	0	3	1,593	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	1,829	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	1,819	M	X	0	4	S	0	1	S	0	1	
1	2	D	0	0	7	1,248	M	X	0	4	S	0	1	S	0	1	
1	3	D	0	0	8	3,246	M	X	0	4	S	0	1	S	0	1	
1	4	D	0	0	9	1,727	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	1,090	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	1,098	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	
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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	

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GSA No. 0248-EPA-OT

EPA ID Number *(Enter from page 1)*	Secondary ID Number *(Enter from page 1)*
N M 4 8 9 0 1 3 9 0 8 8	

XIV. Description of Hazardous Wastes *(Continued; use additional sheets as necessary)*

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	U	0	0	2	344	M	X	0	4	S	0	1	S	0	1	
	2	U	0	1	9	344	M	X	0	4	S	0	1	S	0	1	
	3	U	0	3	7	344	M	X	0	4	S	0	1	S	0	1	
	4	U	0	4	3	344	M	X	0	4	S	0	1	S	0	1	
	5	U	0	4	4	344	M	X	0	4	S	0	1	S	0	1	
	6	U	0	5	2	344	M	X	0	4	S	0	1	S	0	1	
	7	U	0	7	0	344	M	X	0	4	S	0	1	S	0	1	
	8	U	0	7	2	344	M	X	0	4	S	0	1	S	0	1	
	9	U	0	7	8	344	M	X	0	4	S	0	1	S	0	1	
1	0	U	0	7	9	344	M	X	0	4	S	0	1	S	0	1	
1	1	U	1	0	5	344	M	X	0	4	S	0	1	S	0	1	
1	2	U	1	2	2	344	M	X	0	4	S	0	1	S	0	1	
1	3	U	1	3	3	344	M	X	0	4	S	0	1	S	0	1	
1	4	U	1	5	1	344	M	X	0	4	S	0	1	S	0	1	
1	5	U	1	5	4	344	M	X	0	4	S	0	1	S	0	1	
1	6	U	1	5	9	344	M	X	0	4	S	0	1	S	0	1	
1	7	U	1	9	6	344	M	X	0	4	S	0	1	S	0	1	
1	8	U	2	0	9	344	M	X	0	4	S	0	1	S	0	1	
1	9	U	2	1	0	344	M	X	0	4	S	0	1	S	0	1	
2	0	U	2	2	0	344	M	X	0	4	S	0	1	S	0	1	
2	1	U	2	2	6	344	M	X	0	4	S	0	1	S	0	1	
2	2	U	2	2	8	344	M	X	0	4	S	0	1	S	0	1	
2	3	U	2	3	9	344	M	X	0	4	S	0	1	S	0	1	
2	4	P	1	2	0	3.3	M	X	0	4	S	0	1	S	0	1	
2	5	U	1	3	4	344	M	X	0	4	S	0	1	S	0	1	
2	6	D	0	3	3	344	M	X	0	4	S	0	1	S	0	1	
2	7	P	0	3	0	344	M	X	0	4	S	0	1	S	0	1	
2	8	P	0	9	8	344	M	X	0	4	S	0	1	S	0	1	
2	9	P	0	9	9	344	M	X	0	4	S	0	1	S	0	1	
3	0	P	1	0	6	344	M	X	0	4	S	0	1	S	0	1	
3	1	U	0	0	3	344	M	X	0	4	S	0	1	S	0	1	
3	2	U	1	0	3	344	M	X	0	4	S	0	1	S	0	1	
3	3	U	1	0	8	344	M	X	0	4	S	0	1	S	0	1	
3	4																
3	5																

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EPA ID Number *(Enter from page 1)*	Secondary ID Number *(Enter from page 1)*
N M 4 8 9 0 1 3 9 0 8 8	

XV. Map

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.

XVI. Facility Drawing

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

XVII. 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).

XVIII. Certification(s)

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.

Owner Signature: Ines Triay	Date Signed: 6/9/05
Name and Official Title (Type or print): Ines R. Triay, Acting Manager, DOE/Carlsbad Field Office	
Owner Signature	Date Signed
Name and Official Title (Type or print)	
Operator Signature: Ines Triay	Date Signed: 6/9/05
Name and Official Title (Type or print): Ines R. Triay, Acting Manager, DOE/Carlsbad Field Office	
Operator Signature: RDRaaz	Date Signed: 6/9/05
Name and Official Title (Type or print): Richard D. Raaz, General Manager – Washington TRU Solutions, LLC	

XIX. Comments

Section XVIII Operator Signature - *See attached "RCRA Part A Application Certification"

- Previous revisions were submitted on July 9, 1991; November 12, 1992; January 29, 1993; March 2, 1995; May 26, 1995; April 12, 1996; May 29, 1996; April 21, 1999; May 10, 1999; February 2, 2001; March 7, 2001; June 18, 2001; December 27, 2002; January 16, 2003, September 11, 2003, January 12, 2004, January 15, 2004,November 24, 2004 and December 30, 2004.
- Part A originally signed on January 18, 1991, and submitted on January 22, 1991.

Note: Mail completed form to the appropriate EPA Regional or State Office. (Refer to instructions for more information)

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APPENDIX O3
FACILITIES

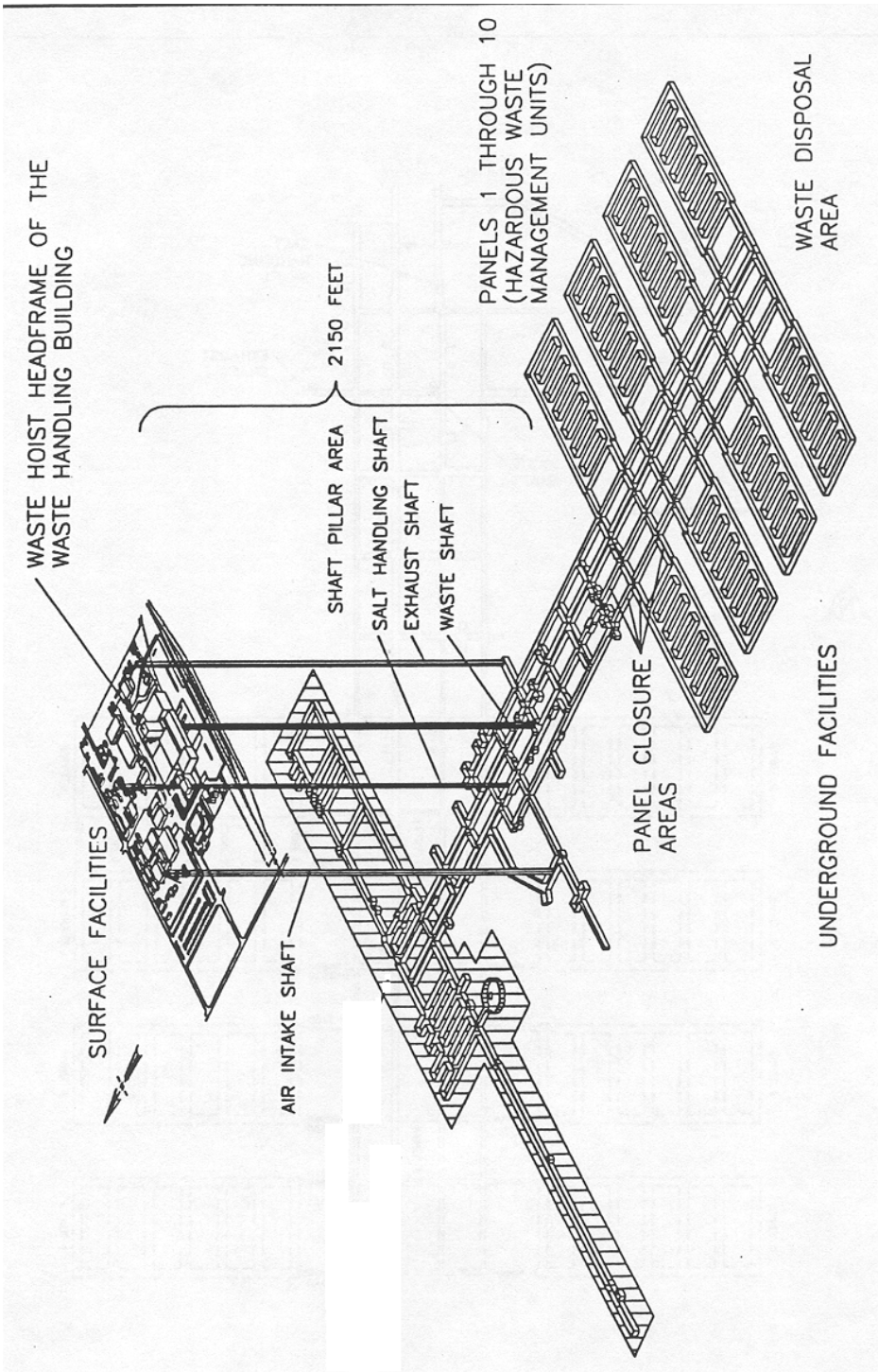

Figure O3-1
Spatial View of the WIPP Facility

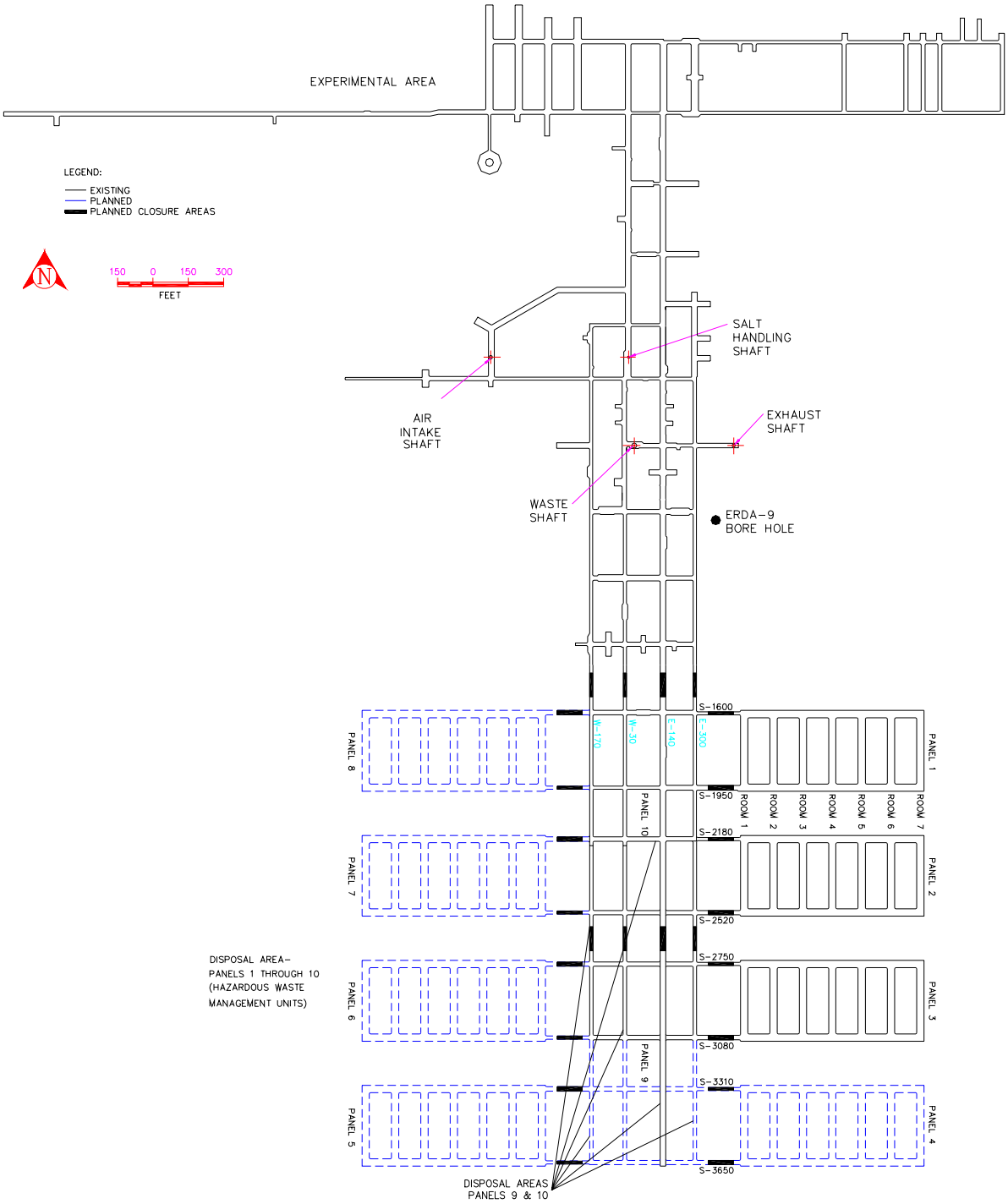

Figure O3-2
Repository Horizon

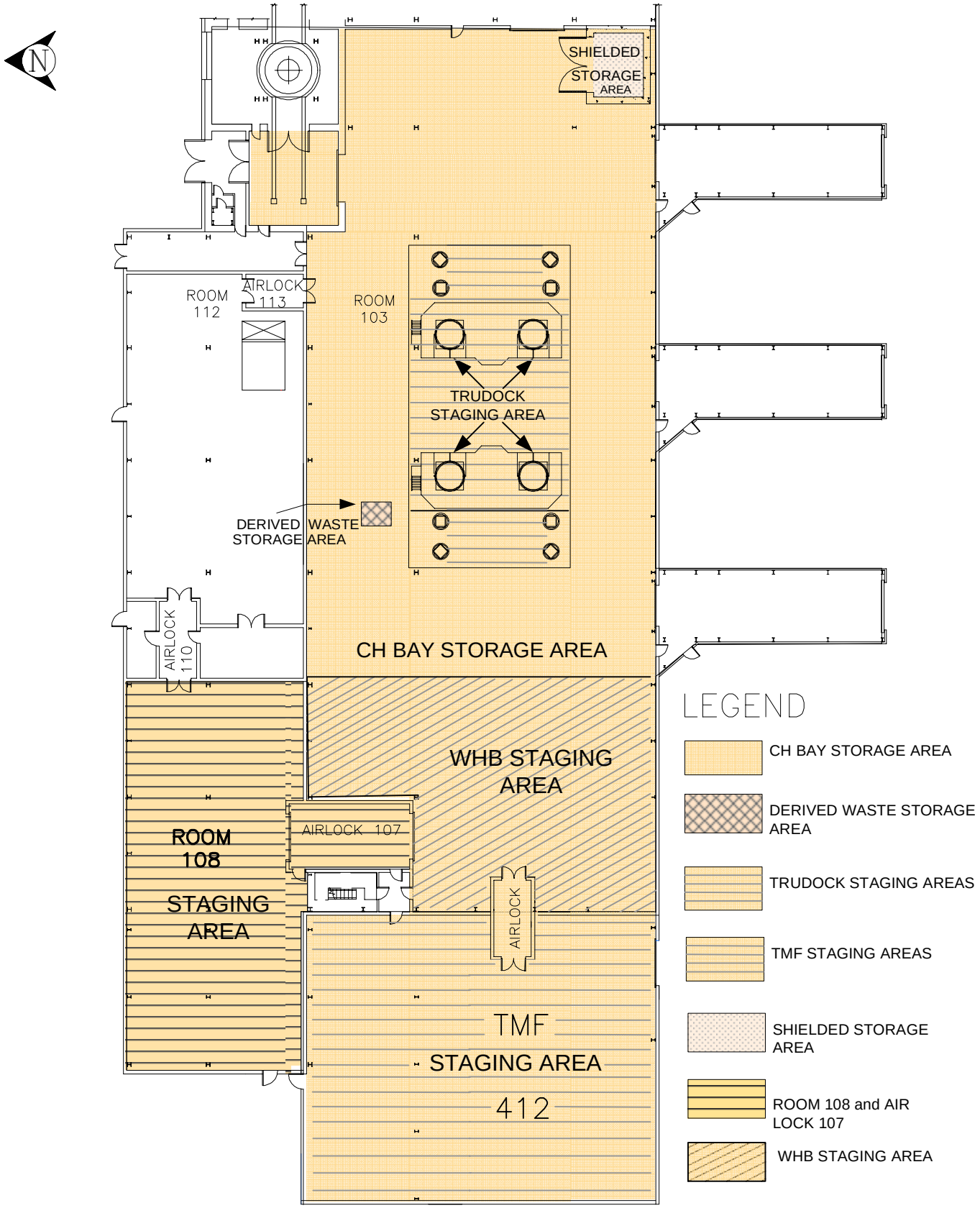

Figure O3-3
Waste Handling Building - Container Storage and Staging Areas

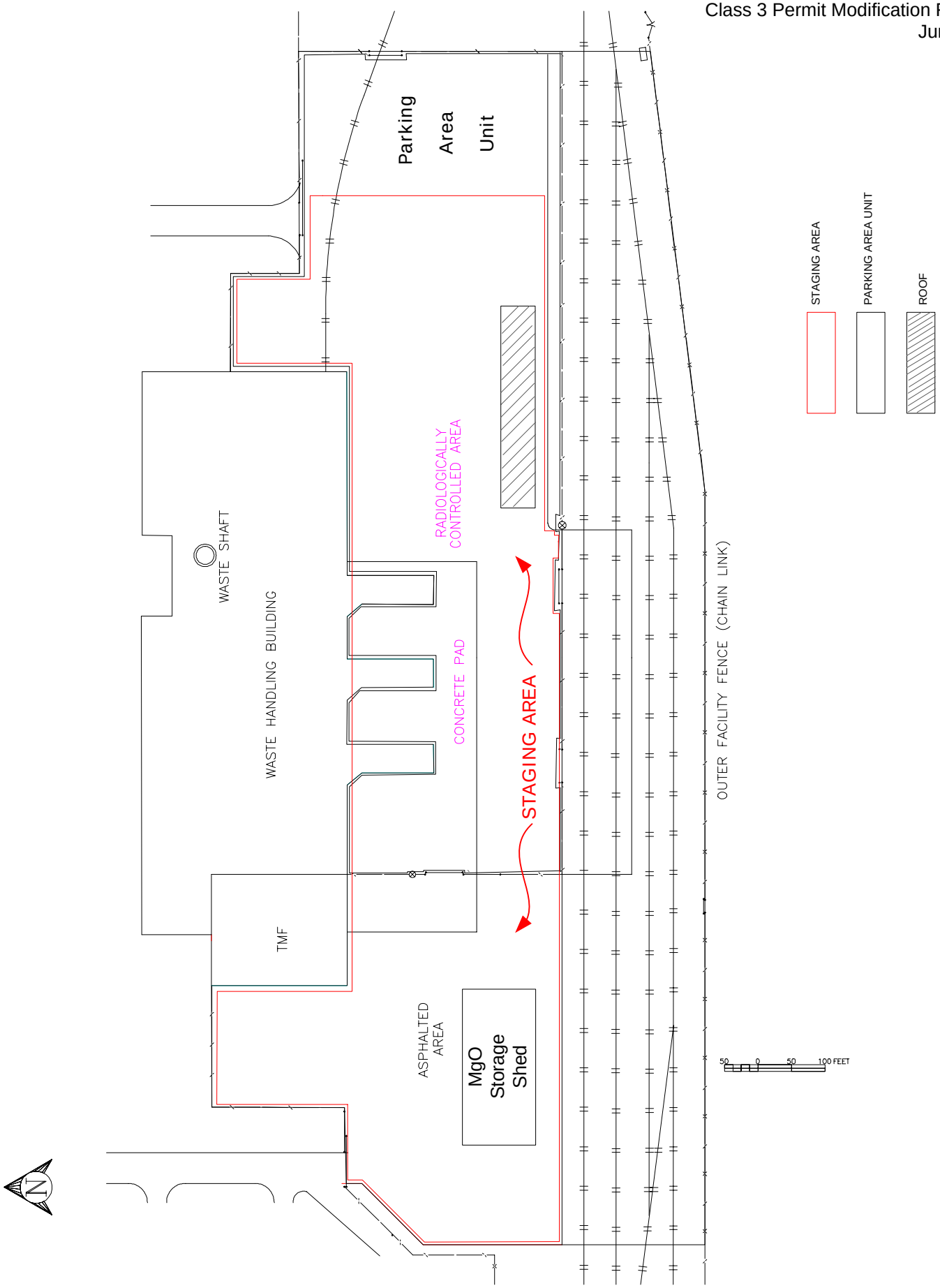

Figure O3-4
Parking Area - Container Staging and Storage Areas

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APPENDIX O4
PHOTOGRAPHS

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Figure O4-1
Aerial Photograph of the Waste Isolation Pilot Plant

Figure O4-2
Underground - Panel One - Waste ~~Storage~~ Disposal Room

Figure O4-3
Aerial Photograph of the Waste Handling Building

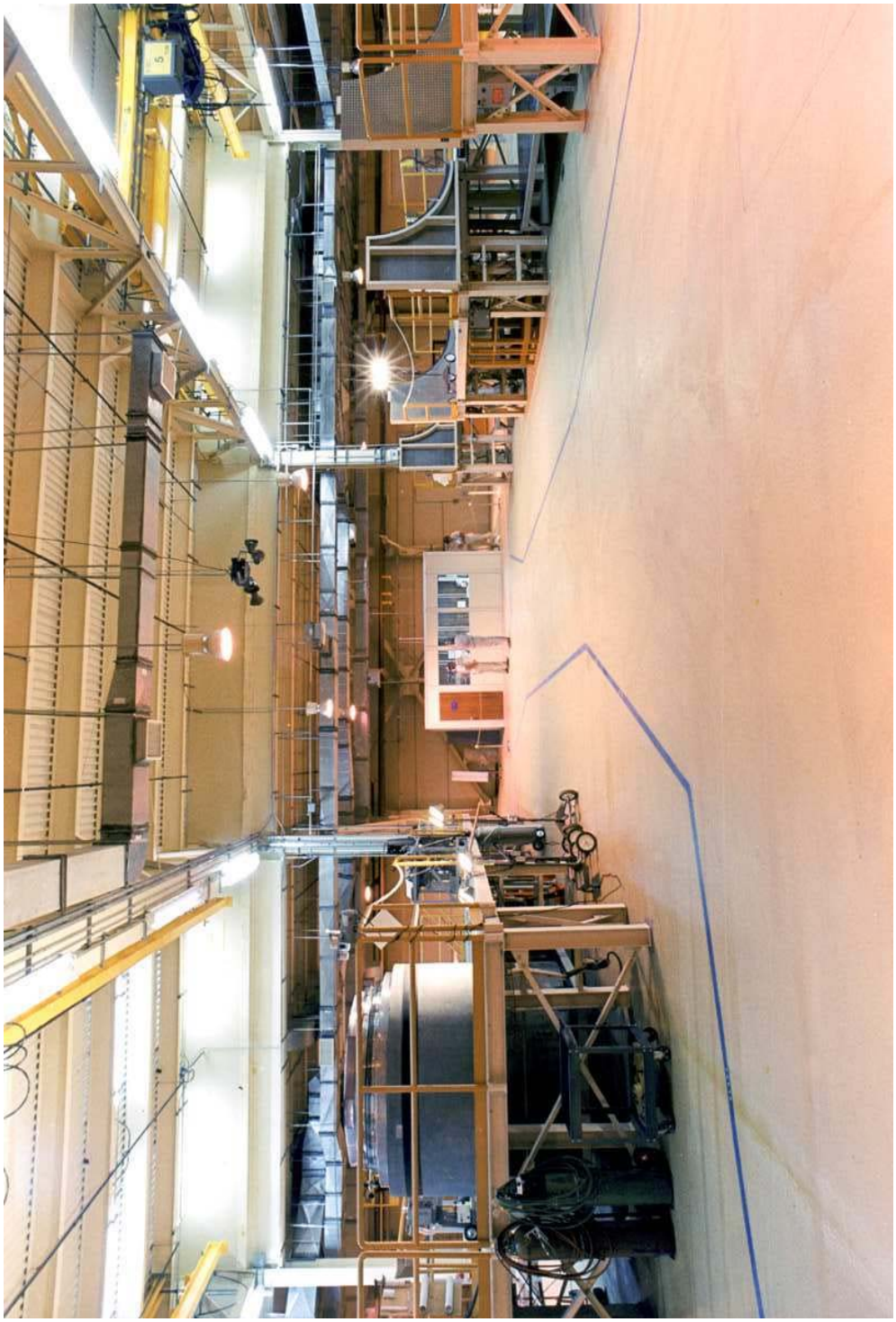

Figure O4-4
TRUDOCKs in CH Bay of the Waste Handling Building

Figure O4-5
NE Corner of CH Bay of the Waste Handling Building

Figure O4-6
Westward View of CH Bay of the Waste Handling Building

Figure O4-7
Waste Hoist Conveyance - Loading Facility Pallet with CH Waste, Waste Handling Building

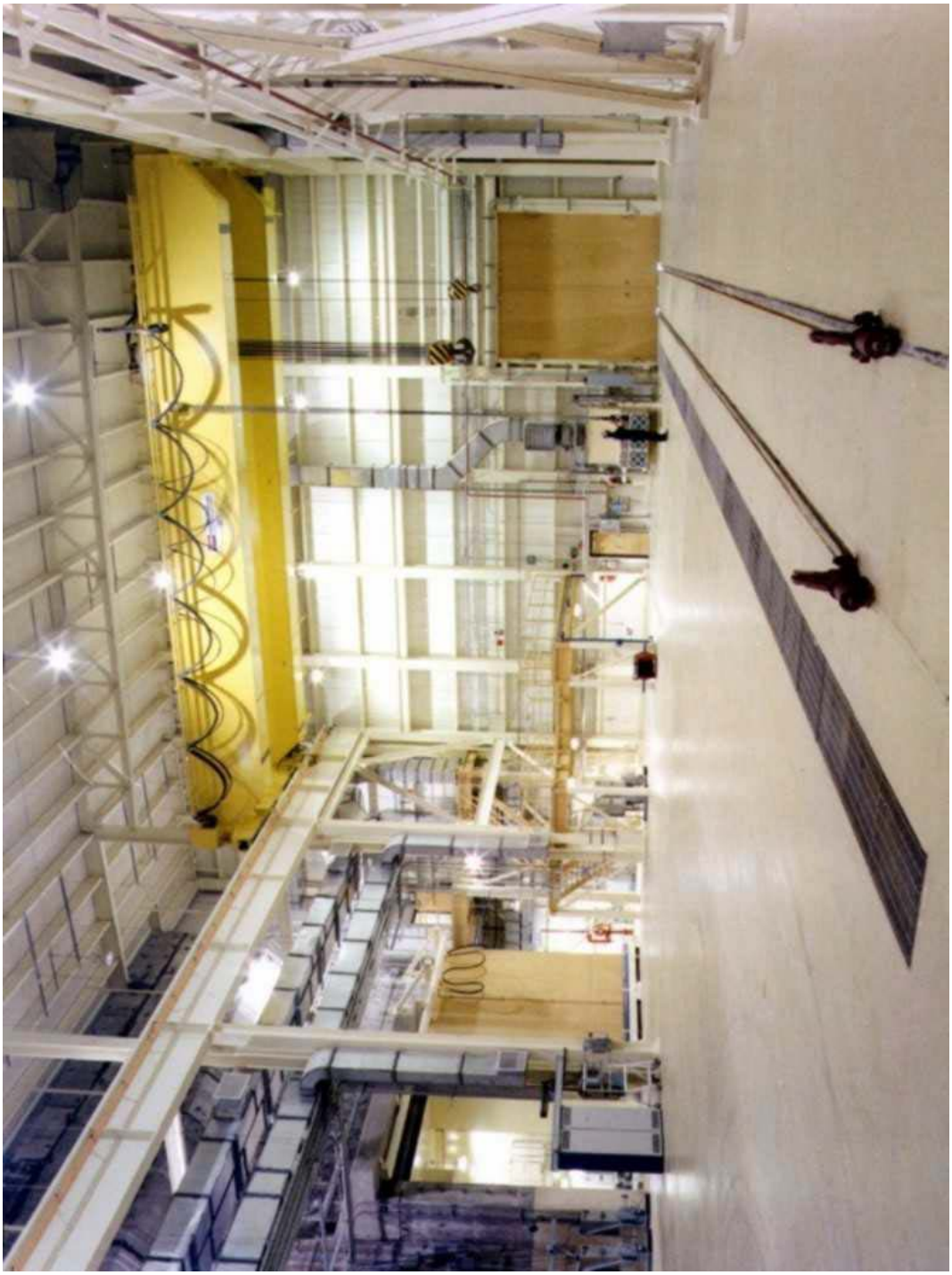

Figure O4-8
RH Bay
(Photo Taken July 2000)

Figure O4-9
Cask Unloading Room and Bridge Crane

Figure O4-10
Hot Cell

Figure O4-11
Transfer Cell

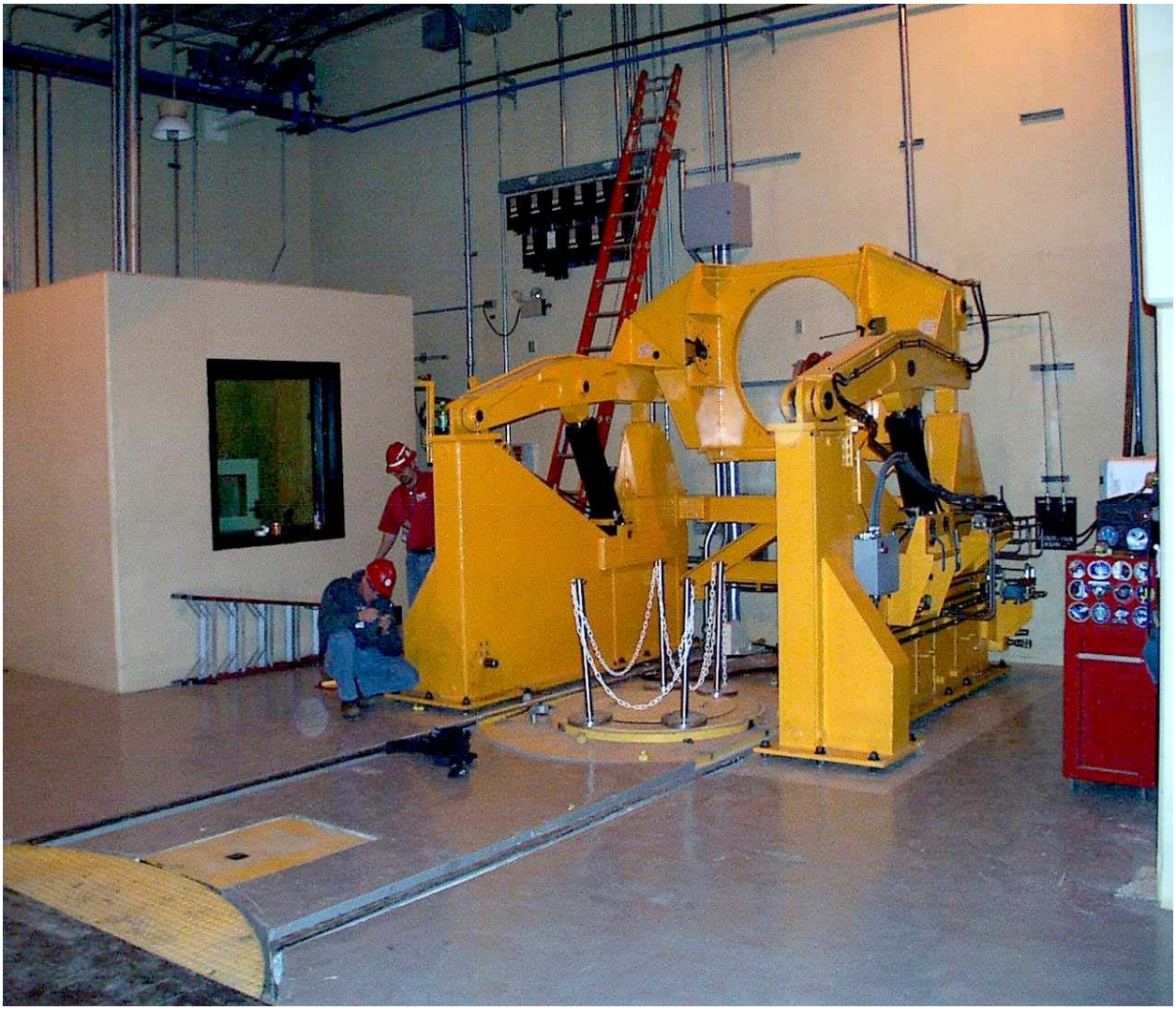

Figure O4-12
Facility Cask Loading Room and
Facility Cask Rotating Device