



Department of Energy

Carlsbad Area Office,
P. O. Box 3090
Carlsbad, New Mexico 88221

WIPP File



MAY 26 1995

Mr. Mark Weidler, Secretary
New Mexico Environment Department
P.O. Box 26110
Santa Fe, N.M. 87502

Dear Mr. Weidler:

Please find enclosed a complete revised Resource Conservation and Recovery Act (RCRA) permit application. This application is being sent with the consent of the New Mexico Environment Department (NMED) to revise the previous "test phase" permit application in order to accurately reflect the current programmatic direction regarding the Waste Isolation Pilot Plant (WIPP). The consent by NMED, as written in the *Order On Draft Permit* (Order) and dated September 2, 1994, required a complete revised application which accurately reflects the future of the WIPP activities be submitted and received by the NMED's Hazardous and Radioactive Materials Bureau by May 31, 1995.

We believe the phased submittals of the revised application that we made between October 1994, and March 1995, to the NMED, reading rooms, and stakeholders are beneficial. Additionally, the public information briefings the Department of Energy (DOE) presented in September and October 1994, and April 1995, were useful in discussing the concerns regarding the WIPP. These submittals and briefings provided your staff, interested public entities, and the stakeholders an opportunity to comment on our application process and content, and kept those aforementioned groups updated on the changes we were making to revise the application to our current project direction.

With this submittal, we are meeting both the requirements of the Order and also completing another critical milestone in our Disposal Decision Plan. We appreciate the commitment your staff has shown in the months that we have been discussing the project, both with them and the public. As I have said in previous correspondence, I commit to making our project participants available to assist your staff in any way to enhance their abilities to review and render a timely decision on this important permit application.

If you have any questions or require further information, please do not hesitate to contact me at (505) 234-7300.

Sincerely,


George E. Dials
Manager

Enclosure



Printed on recycled paper

950517



Mark Weidler

- 2 -

MAY 26 1935

cc w/ enclosure:

B. Garcia, NMED (4)

cc w/o enclosure:

M. McFadden, CAO

V. Daub, CAO

R. Wise, CAO

C. Wayman, CAO

D. Hurtt, CAO

J. Mewhinney, CAO

C. Snider, CAO

C. Cox, WID

K. Donovan, WID

S. Frankiewicz, WTAC

5/26/95

CHAPTER A
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For EPA Regional Use Only Date Received Month Day Year 5 26 95	 United States Environmental Protection Agency Washington, DC 20460 <h2 style="margin: 0;">Hazardous Waste Permit Application Part A</h2> <p style="font-size: small;">(Read the Instructions before starting)</p>
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I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

<input type="checkbox"/> A. First Part A Submission	<input checked="" type="checkbox"/> B. Part A Amendment # <u>5</u>
---	--

C. Installation's EPA ID Number N M 4 8 9 0 1 3 9 0 8 8	D. Secondary ID Number (If applicable)
--	--

II. Name of Facility

W A S T E I S O L A T I O N P I L O T P L A N T

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

A. Street
3 0 M I L E S E A S T O F C A R L S B A D O N

Street (Continued)
J A L H I G H W A Y

City or Town C A R L S B A D	State N M	Zip Code 8 8 2 2 1 -
County Code (If known) 0 3	County Name E D D Y	

B. Land Type (Enter code) F	C. Geographic Location LATITUDE (Degree, Minutes, & Seconds): 3 2 2 2 3 0 N LONGITUDE (Degree, Minutes & Seconds): 1 0 3 4 7 3 0 W	D. Facility Existence Date Month Day Year 0 5 1 8 1 9 8 1
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IV. Facility Mailing Address

Street or P.O. Box
P O B O X 3 0 9 0

City or Town C A R L S B A D	State N M	Zip Code 8 8 2 2 1 -
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V. Facility Contact (Person to be contacted regarding waste activities at facility)

Name (Last) D I A L S	(First) G E O R G E
Job Title M A N A G E R	Phone Number (Area Code and Number) 5 0 5 - 2 3 4 - 7 3 0 0

VI. Facility Contact Address (See Instructions)

A. Contact Address Location Mailing Other <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	B. Street or P.O. Box P O B O X 3 0 9 0	
City or Town C A R L S B A D	State N M	Zip Code 8 8 2 2 1 -

EPA ID Number (Enter from permit)	Secondary ID Number (Enter from page 1)
N M 4 8 9 0 1 5 9 0 8 8	

VII. Operator Information (See Instructions)

Name of Operator
 U S D E P A R T M E N T O F E N E R G Y

Street or P.O. Box
 P O B O X 3 0 9 0

City or Town **State** **ZIP Code**
 C A R L S B A D N M 8 8 2 2 1 -

Phone Number (Area Code and Number) **B. Operator Type** **C. Change of Operator Indicator** **Date Changed**
 5 0 5 - 2 3 4 - 7 3 0 0 F Yes No Month Day Year

VIII. Facility Owner (See Instructions)

A. Name of Facility's Legal Owner
 U S D E P A R T M E N T O F E N E R G Y

Street or P.O. Box
 P O B O X 3 0 9 0

City or Town **State** **ZIP Code**
 C A R L S B A D N M 8 8 2 2 1 -

Phone Number (Area Code and Number) **B. Owner Type** **C. Change of Owner Indicator** **Date Changed**
 5 0 5 - 2 3 4 - 7 3 0 0 F Yes No Month Day Year

IX. SIC Codes (4-digit, in order of significance)

Primary	Secondary
4 9 5 3 (Description) REFUSE SYSTEMS	(Description)
Secondary (Description)	Secondary (Description)

X. Other Environmental Permits (See Instructions)

A. Permit Type (Enter code)	B. Permit Number	C. Description
E		Other: See Appendix A

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

Secondary ID Number (Enter from page 1)

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. 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, T94 and X99), describe the process (including its design capacity) in the space provided in Item XII.
- B. PROCESS DESIGN CAPACITY** - For each code entered in column A, enter the capacity of the process.
- 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.
 - 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	PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	
Disposal:						
D79	Underground Injection	Gallons; Liters; Gallons Per Day; or Liters Per Day	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; or Btu's Per Hour	
D80	Landfill	Acres-foot or Hectare-meter	T88	Titanium Dioxide Chloride Process Oxidation Reactor		
D81	Land Treatment	Acres or Hectares	T89	Methane Reforming Furnace		
D82	Ocean Disposal	Gallons Per Day r Liters Per Day	T90	Pulping Liquor Recovery Furnace		
D83	Surface Impoundment	Gallons or Liters	T91	Combustion Device Used in The Recovery Of Sulfur Values From Spent Sulfuric Acid		
D89	Other Disposal	Any Unit of Measure Listed Below	T92	Halogen Acid Furnaces		
Storage:						
S01	Container (Barrel, Drum, Etc.)	Gallons or Liters	T93	Other Industrial Furnaces Listed in 40 CFR §260.10		
S02	Tank	Gallons or Liters	T94	Containment Building-Treatment		Cubic Yards or Cubic Meters
S03	Waste Pile	Cubic Yards or Cubic Meters	Miscellaneous (Subpart X):			
S04	Surface Impoundment	Gallons or Liters	X01	Open Burning/Open Detonation	Any Unit of Measure Listed Below	
S05	Drip Pad	Gallons or Liters	X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; or Kilograms Per Hour	
S06	Containment Building-Storage	Cubic Yards or Cubic Meters	X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; or Btu's Per Hour	
S99	Other Storage	Any Unit of Measure Listed Below	X04	Geologic Repository	Cubic Yards or Cubic Meters	
Treatment:						
T01	Tank	Gallons Per Day or Liters Per Day	X99	Other Subpart X	Any Unit of Measure Listed Below	
T02	Surface Impoundment	Gallons Per Day or Liters Per Day				
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; or Btu's 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; or Btu's Per Hour				
T80	Boiler	Gallons or Liters				
T81	Cement Klin	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; or Btu's Per Hour				
T82	Lime Klin					
T83	Aggregate Klin					
T84	Phosphate Klin					
T85	Coke Oven					
T86	Blast Furnace					

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	Acres-foot	A
Liters Per Hour	H	Pounds Per Hour	J	Hectares	Q
Liters Per Day	V	Kilograms Per Hour	R	Hectare-meter	F
				Btu's Per Hour	I

EPA I.D. Number (Enter from page 1) Secondary ID Number (Enter from page 1)

N	M	4	8	9	0	1	3	9	0	8	8						
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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 <small>(From list above)</small>				B. PROCESS DESIGN CAPACITY		C. Process Total Number Of Units	For Official Use Only					
	1. Amount (Specify)					2. Unit Of Measure <small>(Enter code)</small>							
X 1	S	0	2	533,788		G	001						
1	X	0	4	175,600		C	001						
2				See attached page for additional									
3				process information									
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													

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 <small>(Enter the line no. as in Item XII)</small>	A. Process Code <small>(From list above)</small>				B. PROCESS DESIGN CAPACITY		C. Process Total Number Of Units	D. Description Of Process
	1. Amount (Specify)					2. Unit Of Measure <small>(Enter code)</small>		
X 1	T	0	4					In-situ Vitrification
1	X	9	9	9.71		C	001	Waste Handling (See attached page for additional process information)
2								
3								
4								

NM4890139088

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XII. PROCESS—CODES AND DESIGN CAPACITIES (continued)

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The Waste Isolation Pilot Plant (WIPP) is defined as a "miscellaneous unit" under 40 CFR Part 260.10. "Miscellaneous unit" means a hazardous waste management unit where hazardous waste is treated, stored, or disposed of and that is not a container, tank, surface impoundment, waste pile, land treatment unit, landfill, incinerator, containment building, boiler, industrial furnace, or underground injection well with appropriate technical standards under 40 CFR Part 146, corrective action management unit, or unit eligible for research, development, and demonstration permit under 40 CFR 270.65. The WIPP is a geologic repository designed for the disposal of defense-generated transuranic waste. Some of the transuranic wastes disposed of at the WIPP contain hazardous wastes as co-contaminants. More than half the waste to be disposed of at WIPP also meets the definition of debris waste. The debris categories include manufactured goods, biological materials and naturally occurring geological materials. Approximately 4,117,700 cubic feet (120,000 cubic meters) of the 6.2 million cubic feet (175,600 cubic meters) of WIPP wastes is categorized as debris waste. WIPP will be permitted as a "miscellaneous unit" under 40 CFR Part 264, Subpart X.

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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 6.2 million cubic feet (175,600 cubic meters) of transuranic waste of which up to 250,000 cubic feet (7,080 cubic meters) may be remote-handled (RH) transuranic mixed waste. For purposes of this application, all transuranic waste is managed as though it were mixed. The estimated annual quantities in Section XIV B. are for the Disposal Phase.

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The process design capacity for the miscellaneous unit (composed of eight underground Hazardous Waste Management Units [HWMU] 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, a HWMU has been designated as a miscellaneous unit (X99) in the Waste Handling Building (WHB) in Section XIII. This HWMU will be used solely for waste receipt and handling prior to emplacement in the underground geologic repository. No treatment, storage, or disposal will occur in the WHB HWMU X99 unit. The capacity of this unit is based on the potential for three shipping containers of contact handled waste and one truckload of RH transuranic waste being received and handled in the WHB at any one time. The HWMUs are shown in Appendix A3 and in Figures A3-2 and A3-3.

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EPA I.D. 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 waste 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. Enter in the space provided on page 7, Item XIV-E, the line number and the additional code(s).

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 code)			(2) PROCESS DESCRIPTION (If a code is not entered in D(1))				
X 1	K 0 5 4	900	P	T	0	3	D	0	0		
X 2	D 0 0 2	400	P	T	0	3	D	0	0		
X 3	D 0 0 1	100	P	T	0	3	D	0	0		
X 4	D 0 0 2										Included With Above

EPA LD. Number (Enter from page 1) Secondary ID Number (Enter from page 1)

N	M	4	8	9	0	1	3	7	0	8	8
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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA HAZARDOUS WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES								
				(1) PROCESS CODES (Enter code)				(2) PROCESS DESCRIPTION (if a code is not entered in D(1))				
1	F 0 0 1	1,891	M	X	0	4						
2	F 0 0 2	1,860	M	X	0	4						
3	F 0 0 3	1,593	M	X	0	4						
4	F 0 0 4	26	M	X	0	4						
5	F 0 0 5	1,829	M	X	0	4						
6	D 0 0 4	903	M	X	0	4						
7	D 0 0 5	484	M	X	0	4						
8	D 0 0 6	1,819	M	X	0	4						
9	D 0 0 7	1,248	M	X	0	4						
1 0	D 0 0 8	3,246	M	X	0	4						
1 1	D 0 0 9	1,727	M	X	0	4						
1 2	D 0 1 0	186	M	X	0	4						
1 3	D 0 1 1	1,090	M	X	0	4						
1 4	D 0 1 8	749	M	X	0	4						
1 5	D 0 1 9	761	M	X	0	4						
1 6	D 0 2 2	1,098	M	X	0	4						
1 7	D 0 2 3	609	M	X	0	4						
1 8	D 0 2 4	609	M	X	0	4						
1 9	D 0 2 5	609	M	X	0	4						
2 0	D 0 2 6	609	M	X	0	4						
2 1	D 0 2 8	449	M	X	0	4						
2 2	D 0 2 9	478	M	X	0	4						
2 3	D 0 3 5	139	M	X	0	4						
2 4	D 0 4 0	140	M	X	0	4						
2 5	P 0 1 5	945	M	X	0	4						
2 6												
2 7												
2 8												
2 9												
3 0												
3 1												
3 2												
3 3												

EPA I.D. Number (Enter from page 1)	Secondary ID Number (Enter from page 1)																								
<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 12.5%;">N</td> <td style="width: 12.5%;">M</td> <td style="width: 12.5%;">4</td> <td style="width: 12.5%;">8</td> <td style="width: 12.5%;">9</td> <td style="width: 12.5%;">0</td> <td style="width: 12.5%;">1</td> <td style="width: 12.5%;">3</td> <td style="width: 12.5%;">9</td> <td style="width: 12.5%;">0</td> <td style="width: 12.5%;">8</td> <td style="width: 12.5%;">8</td> </tr> </table>	N	M	4	8	9	0	1	3	9	0	8	8	<table border="1" style="width:100%; border-collapse: collapse; height: 20px;"> <tr> <td style="width: 12.5%;"></td> </tr> </table>												
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	Date Signed
<i>George E Dials</i>	5/19/95
Name and Official Title (Type or print) George E. Dials, Manager, DOE/Carlsbad Area Office	
Owner Signature	Date Signed
Name and Official Title (Type or print)	
Operator Signature	Date Signed
<i>George E Dials</i>	5/19/95
Name and Official Title (Type or print) George E. Dials, Manager DOE/Carlsbad Area Office	
Co-Operator Signature *	Date Signed
<i>Carl Cox</i>	5/18/95
Name and Official Title (Type or print) Carl M. Cox, General Manager, Westinghouse Waste Isolation Div.	

XIX. Comments

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

** Date of submittal of clarifying information as requested by NMED

Additional data were submitted on July 9, 1991; November 12, 1992; January 29, 1993; and March 2, 1995. 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)

1 NM4890139088

2
3 **RCRA PART A APPLICATION CERTIFICATION**
4

5
6 The U.S. Department of Energy (DOE), through its Carlsbad Area Office, has signed as "owner and
7 operator," and Westinghouse Electric Corporation, acting through its Waste Isolation Division (WID),
8 has signed this application for the permitted facility as "co-operator".
9

10 The DOE has determined that dual signatures best reflect the actual apportionment of Resource
11 Conservation and Recovery Act (RCRA) responsibilities as follows:
12

13 The DOE's RCRA responsibilities are for policy, programmatic directives, funding and
14 scheduling decisions, Waste Isolation Pilot Plant (WIPP) requirements of DOE generator
15 sites, auditing, and oversight of all other parties engaged in work at the WIPP, as well as
16 general oversight.
17

18 The WID's RCRA responsibilities are for certain day-to-day operations (in accordance with
19 general directions given by the DOE and in the Management and Operating Contract as
20 part of its general oversight responsibility), including, but not limited to, the following:
21 certain waste handling, monitoring, record keeping, certain data collection, reporting,
22 technical advice, and contingency planning.
23

24 For purposes of the certification required by Title 20 of the New Mexico Administrative
25 Code, Chapter 4, Part 1 (20 NMAC 4.1), Subpart IX, §270.11(d), the DOE's and the WID's
26 representatives certify, under penalty of law that this document and all attachments were
27 prepared under their direction or supervision in accordance with a system designed to
28 assure that qualified personnel properly gather and evaluate the information submitted.
29 Based on their inquiry of the person or persons who manage the system, or those persons
30 directly responsible for gathering the information, the information submitted is, to the best
31 of their knowledge and belief, true, accurate, and complete for their respective areas of
32 responsibility. We are aware that there are significant penalties for submitting false
33 information, including the possibility of fine and imprisonment for knowing violations.
34

35
36 Owner and Operator Signature: George E Dill
37 Title: Manager, Carlsbad Area Office
38 for: U.S. Department of Energy
39 Date: 5/19/95
40

41
42 Co-Operator Signature: Chm Cox
43 Title: General Manager
44 for: Westinghouse Electric Corporation
45 Date: 5/18/95

APPENDIX A1
OTHER ENVIRONMENTAL PERMITS

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**TABLE A1-1
ACTIVE ENVIRONMENTAL PERMITS/APPROVALS AS OF 5/1/95**

Granting Agency	Type of Permit	Number	Granted/Submitted	Expiration	Permit Status
Department of Interior, Bureau of Land Management	Right-of-Way for Water Pipeline	NMM53809	8/17/83	None	Active
Department of Interior, Bureau of Land Management	Right-of-Way for the North Access Road	NM55676	8/24/83	None	Active
Department of Interior, Bureau of Land Management	Right-of-Way for Railroad	NM55699	9/27/83	None	Active
Department of Interior, Bureau of Land Management	Right-of-Way for Dosimetry and Aerosol Sampling Sites	NNM63136	7/3/86	None	Active
Department of Interior, Bureau of Land Management	Right-of-Way for Seven Subsidence Monuments	NM65801	11/7/86	None	Active
Department of Interior, Bureau of Land Management	Right-of-Way for Aerosol Sampling Site	NM77921	8/18/89	8/18/2019	Active
Department of Interior, Bureau of Land Management	Right-of-Way for Ten Raptor Nesting Platforms	NM82212	9/12/89	12/13/2019	Active
Department of the Interior, Bureau of Land Management	Right-of-Way for Survey Monument Installation	NM82245	12/13/89	12/13/2019	Active
Department of Interior, Bureau of Land Management	Approval to Drill 2 Additional Test Wells on Existing Pads at P-1 and P-2	None	9/18/86	None	Active ¹
New Mexico Environment Department	Open Burning Permit to Train Fire Control Crews	None	2/10/95	3/1/96	Active
New Mexico Environment Department	Operating Permit for two Backup Generators	310-M-2	12/7/93	None	Active
New Mexico Environment Department	Discharge Plan Approval	DP-831	1/16/92	1/16/97	Active
New Mexico Environment Department	Acknowledgement of Notification of Hazardous Waste Activity (WIPP)	NM48901 39088	1/88	None	Active
New Mexico Department of Game and Fish	Individual	1961	4/1/95	3/1/96	Active
New Mexico Department of Game and Fish	Master Collecting	1894	3/1/95	3/1/97	Active
New Mexico Department of Game and Fish	Concurrence that WIPP construction activities will have no significant impact on State-listed threatened or endangered Species	None	5/26/89	None	Active

TABLE A1-1 (CONTINUED)
ACTIVE ENVIRONMENTAL PERMITS/APPROVALS AS OF 5/1/95

Granting Agency	Type of Permit	Number	Granted/Submitted	Expiration	Permit Status
New Mexico State Engineer Office	H-19b1 well, permit to appropriate the underground waters of New Mexico for monitoring and characterization	C-2420	11/10/94	1/31/98	Active
New Mexico State Engineer Office	H-19b2 well, permit to appropriate the underground waters of New Mexico for monitoring and characterization	C-2421	11/10/94	1/31/98	Active
New Mexico State Engineer Office	H-19b3 well, permit to appropriate the underground waters of New Mexico for monitoring and characterization	C-2422	11/10/94	1/31/98	Active
New Mexico State Engineer Office	H-19b4 well, permit to appropriate the underground waters of New Mexico for monitoring and characterization	C-2423	11/10/94	1/31/98	Active
New Mexico State Engineer Office	H-19b5 well, permit to appropriate the underground waters of New Mexico for monitoring and characterization	C-2424	11/10/94	1/31/98	Active
New Mexico State Engineer Office	H-19b6 well, permit to appropriate the underground waters of New Mexico for monitoring and characterization	C-2425	11/10/94	1/31/98	Active
New Mexico State Engineer Office	WQSP-1 well, permit to appropriate the underground waters of New Mexico for monitoring and characterization	C-2413	11/10/94	1/31/96	Active
New Mexico State Engineer Office	WQSP-2 well, permit to appropriate the underground waters of New Mexico for monitoring and characterization	C-2414	11/10/94	1/31/96	Active
New Mexico State Engineer Office	WQSP-3 well, permit to appropriate the underground waters of New Mexico for monitoring and characterization	C-2415	11/10/94	1/31/96	Active
New Mexico State Engineer Office	WQSP-4 well, permit to appropriate the underground waters of New Mexico for monitoring and characterization	C-2416	11/10/94	1/31/96	Active
New Mexico State Engineer Office	WQSP-5 well, permit to appropriate the underground waters of New Mexico for monitoring and characterization	C-2417	11/10/94	1/31/96	Active

TABLE A1-1 (CONTINUED)
ACTIVE ENVIRONMENTAL PERMITS/APPROVALS AS OF 5/1/95

Granting Agency	Type of Permit	Number	Granted/Submitted	Expiration	Permit Status
New Mexico State Engineer Office	WQSP-6 well, permit to appropriate the underground waters of New Mexico for monitoring and characterization	C-2418	11/10/94	1/31/96	Active
New Mexico State Engineer Office	WQSP-6a well, permit to appropriate the underground waters of New Mexico for monitoring and characterization	C-2419	11/10/94	1/31/96	Active
U.S. Department of the Interior, Fish and Wildlife Service	Master Personal Banding	22478	5/19/93	6/30/98	Active
U.S. Department of the Interior, Fish and Wildlife Service	Concurrence that WIPP construction activities will have no significant impact on Federally-listed threatened or endangered species	None	5/29/80	None	Active
New Mexico Commissioner of Public Lands	Right-of-Way for High Volume Air Sampler	RW-22789	10/3/85	10/3/2000	Active
New Mexico Department of Finance and Administrative Planning Division, Historic Preservation Bureau	Concurrence that the DOE Archaeological Resources Protection Plan is adequate to mitigate any adverse impacts upon cultural resources resulting from construction of the WIPP facility	None	7/25/83	None	Active
New Mexico Environment Department	Notification of the presence of 2 Underground Storage Tanks	None	4/15/86	None	Active
U.S. Environmental Protection Agency	Conditional No-Migration Determination for the Test Phase	None	11/14/90	11/14/2000	Active
U.S. Environmental Protection Agency	NESHAPS (Radionuclides)	None	2/19/91 Data package submitted to the EPA		
U.S. Environmental Protection Agency	NPDES Storm Water General Permit	NMR00A021	12/31/92	12/31/97	Active

¹Existing pads P-1 and P-2, as of October 1992, belong to the U.S. Department of Energy (DOE). Therefore this permit is no longer needed through the granting agency.

APPENDIX A2
MAPS

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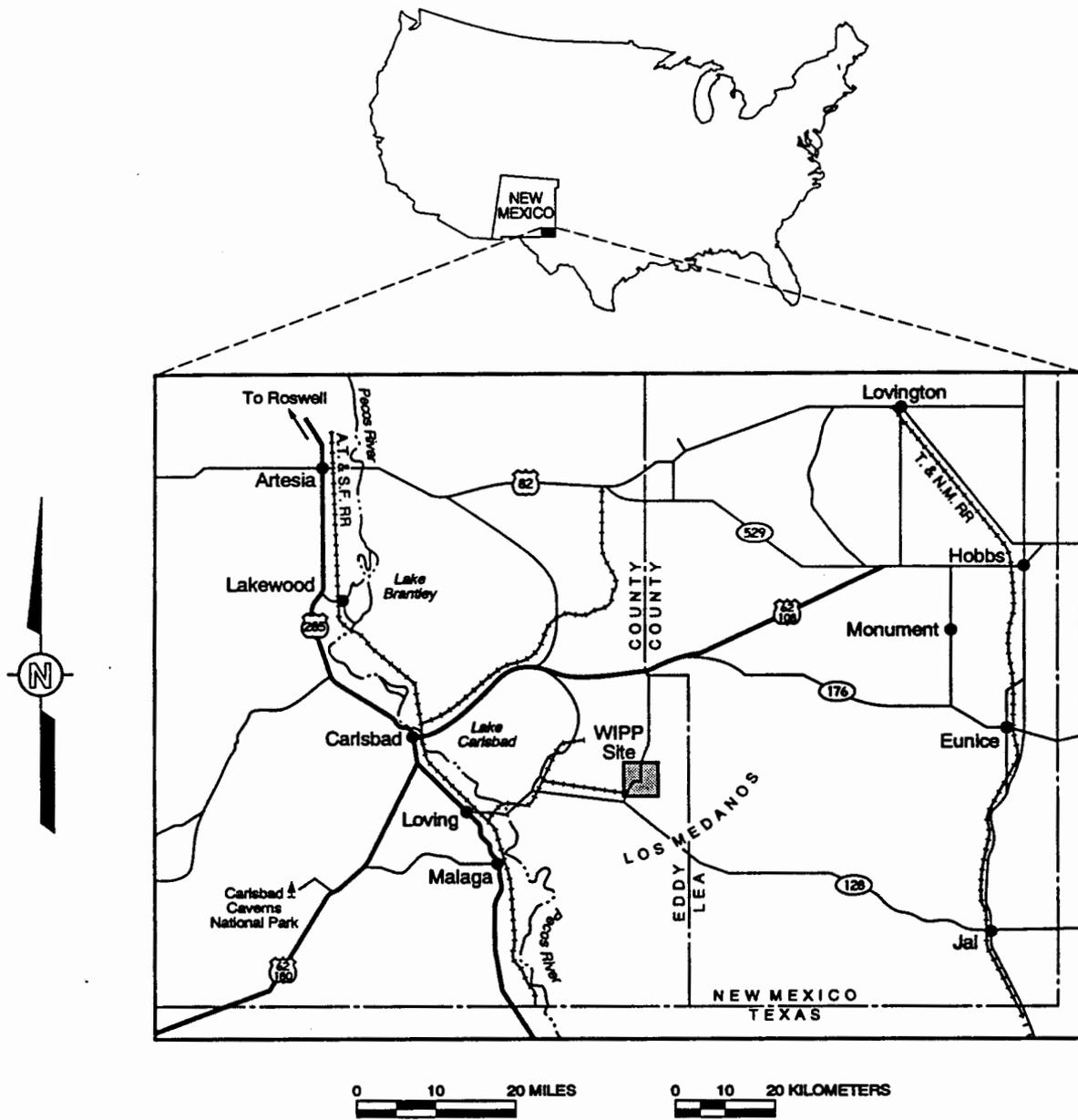
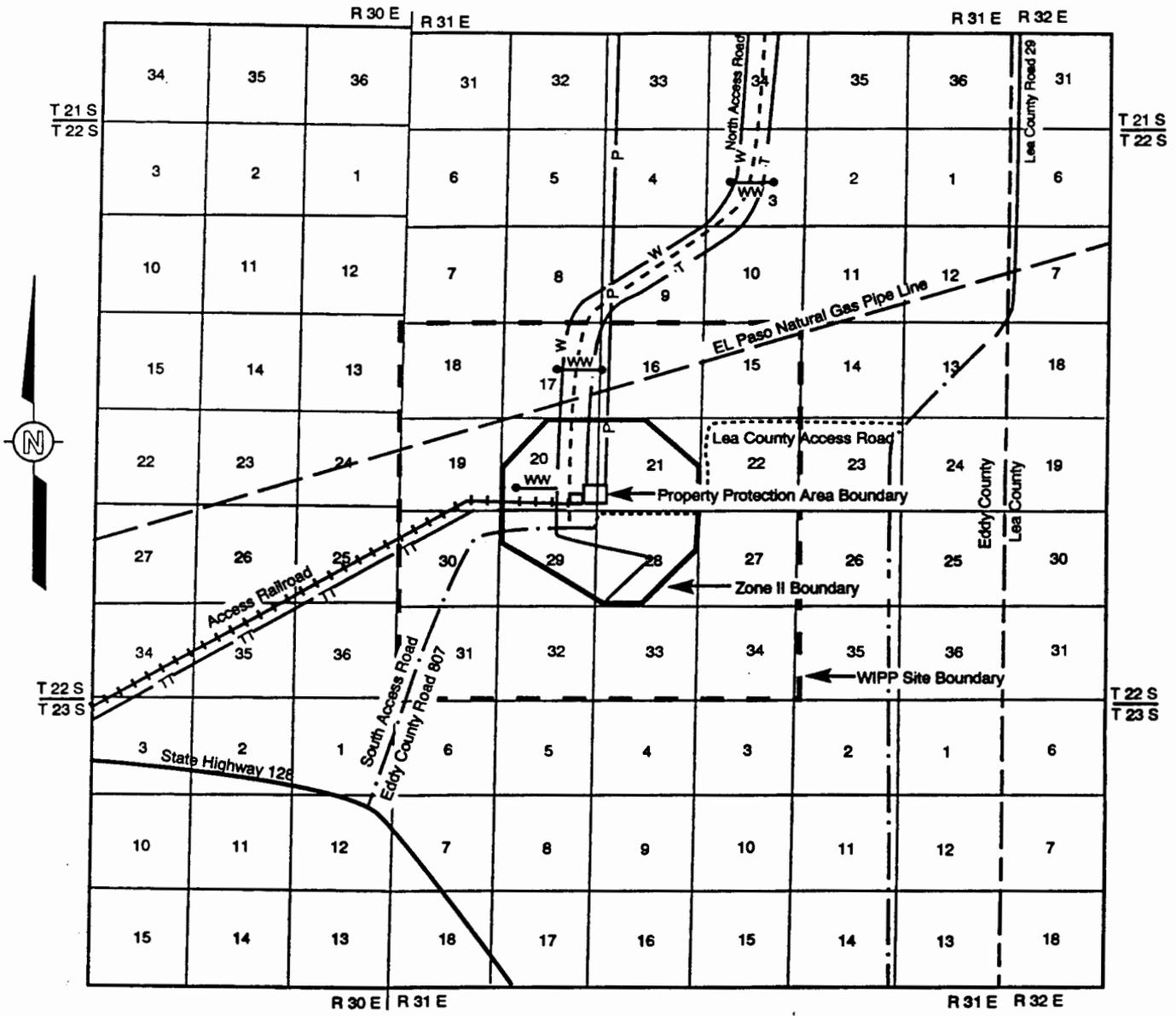


Figure A2-1
General Location of the WIPP Facility



This illustration for Information Purposes only.

Figure A2-2
Planimetric Map - WIPP Facility Boundaries

LEGEND

- — . WIPP Site Boundary 10,240 Acres.
- w — 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.
- www — Stock Water Tanks and Tap Lines Connected to the Main WIPP Waterline.
- p — Southwestern Public Service Company Right of Way Number NM-43203 for Power 60 Feet Wide.
- T — General Telephone of the Southwest Right of Way for Telephone Line, 30 Feet Wide, Located within the North access Road Right of Way.
- TT — 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.
- . — Eddy County Right of Way for Access Roads Includes Right of Way Number NM-4130 for the South Access Road Which is 150 Feet Wide.

NOTES

1. The Property Protection Area is a fenced area of approximately 35 acres. It contains all surface facilities with the exception of salt storage piles, parking lot, landfill and waste water stabilization lagoons.
2. Zone II overlies the maximum extent of the Area available for underground development.
3. WIPP site boundary (WSB) provides a one mile buffer area around the area available for underground development.

Figure A2-2a
Legend to Figure A2-2

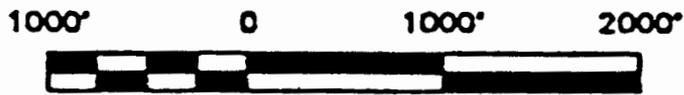


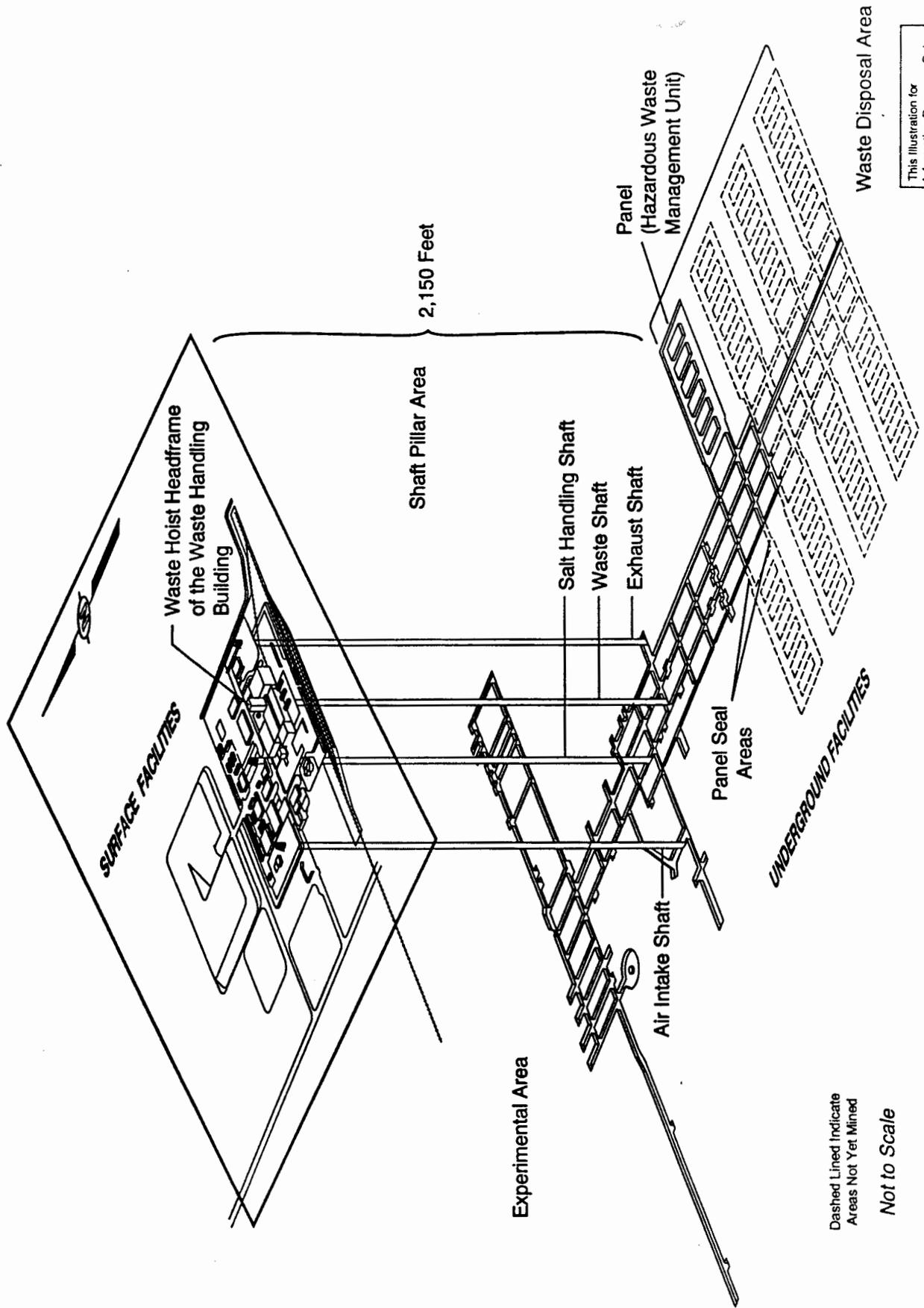
FIGURE A2-3

**TOPOGRAPHIC MAP
WITH UNDERGROUND FACILITIES**

MAY 1995

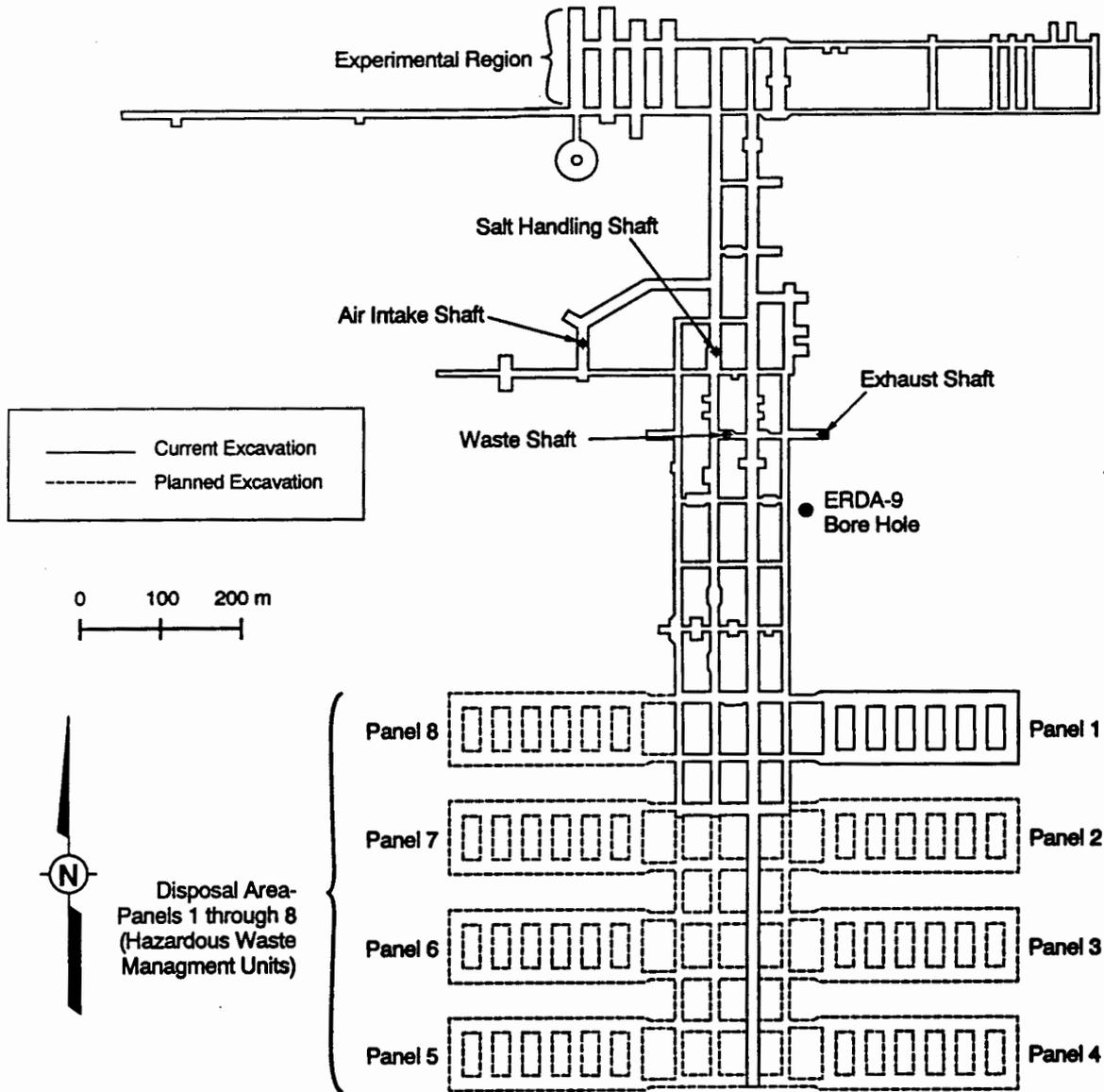
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**APPENDIX A3
FACILITIES**

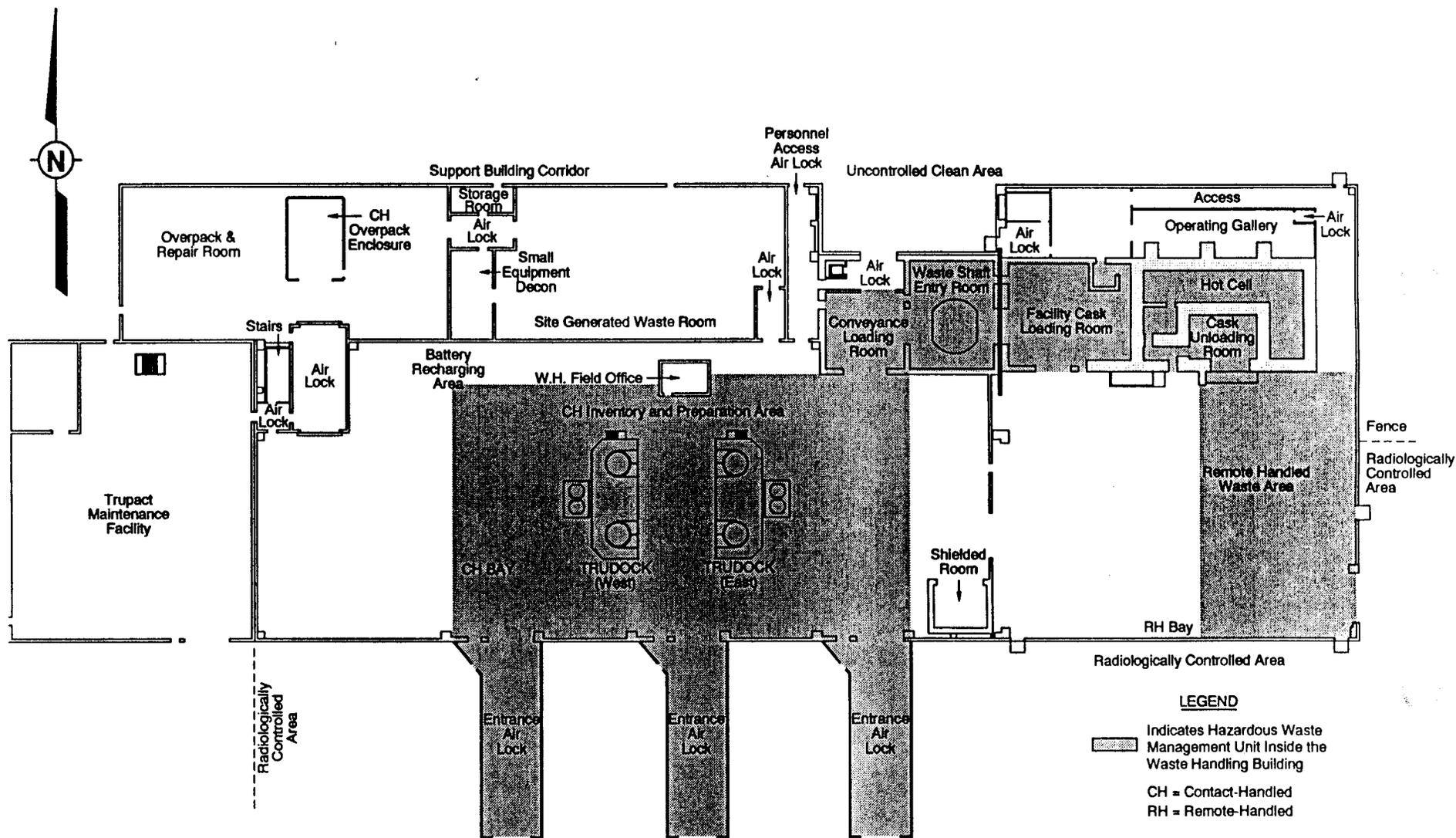


This Illustration for Information Purposes Only.

Figure A3-1
Spatial View of the WIPP Facility

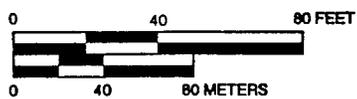


**Figure A3-2
Repository Horizon**



LEGEND

-  Indicates Hazardous Waste Management Unit Inside the Waste Handling Building
- CH = Contact-Handled
- RH = Remote-Handled



SCALE

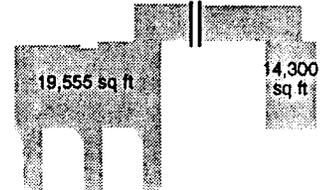


Figure A3-3
Waste Handling Building
Hazardous Waste Management Unit

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**APPENDIX A4
PHOTOGRAPHS**

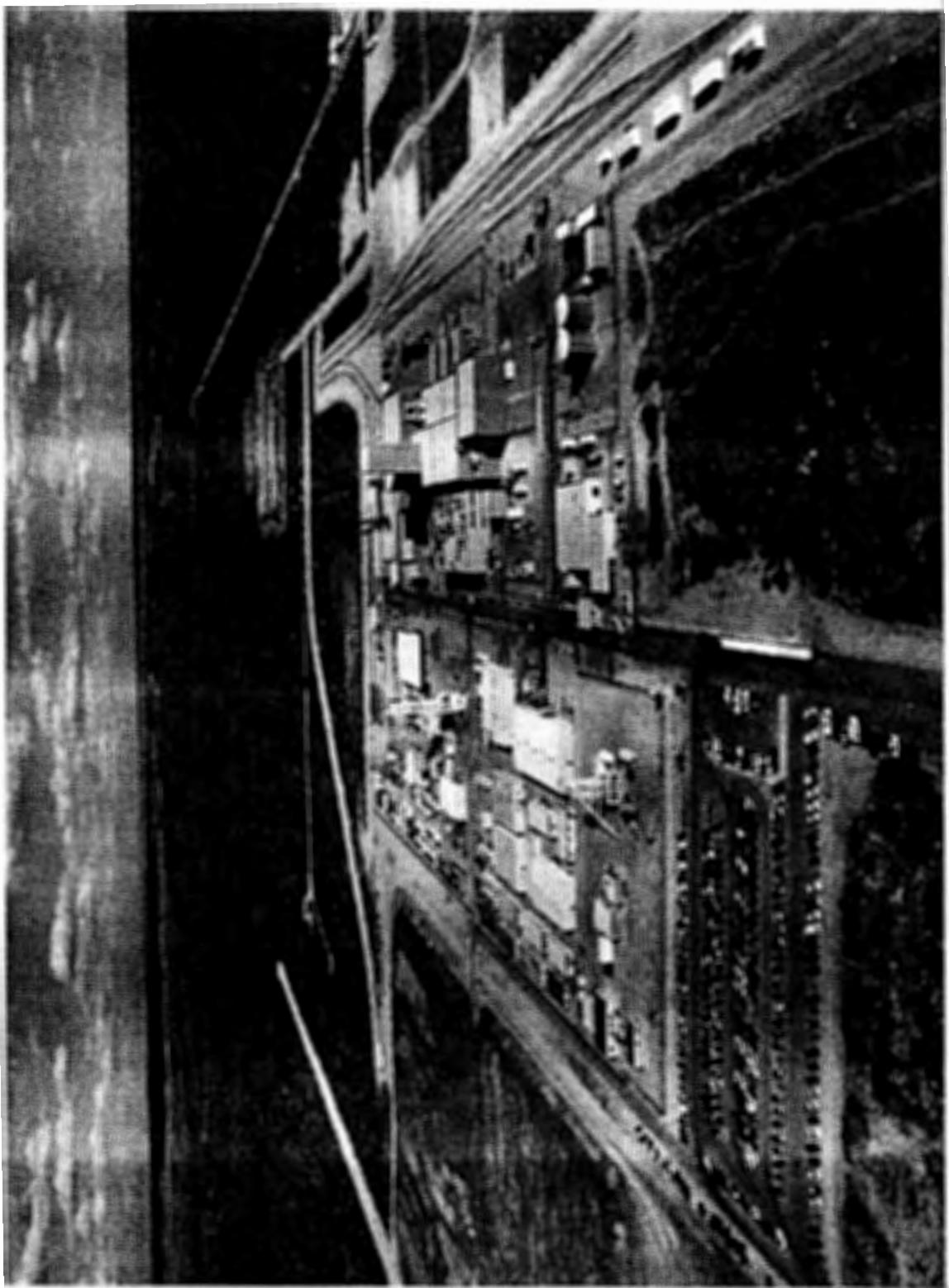


Figure A4-1
Aerial Photograph of the Waste Isolation Pilot Plant

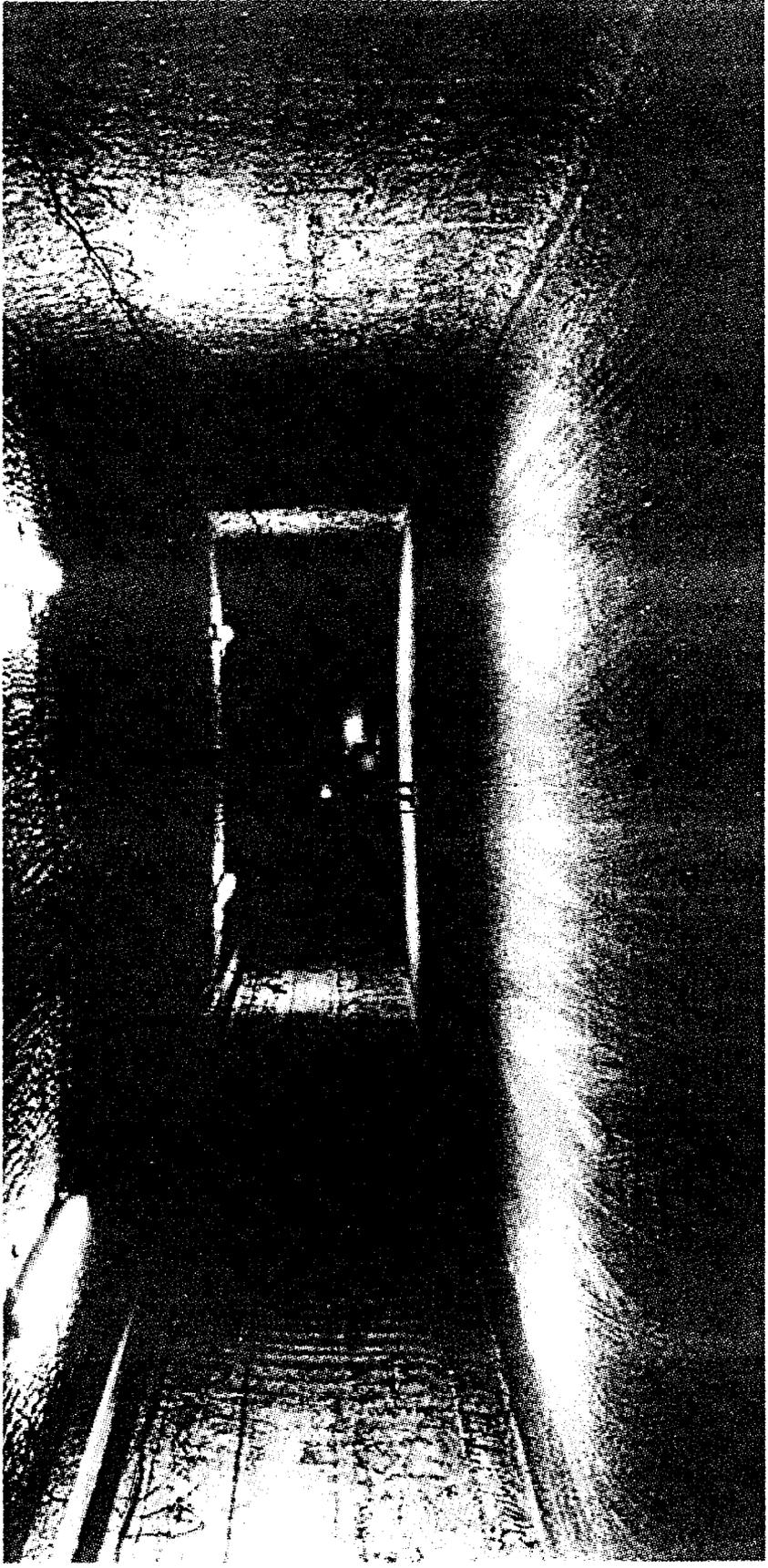


Figure A4-2
Underground-Panel One-Waste Storage Room