



Department of Energy

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

February 29, 2000



Mr. John Kieling, Manager
Hazardous Waste Permits Program
Hazardous and Radioactive Materials Bureau
New Mexico Environment Department
P.O. Box 26110
Santa Fe, New Mexico 87502-6110

Subject: Transmittal of Waste Isolation Pilot Plant's Biennial Report

Dear Mr. Kieling:

Enclosed is the Waste Isolation Pilot Plant's (WIPP) Biennial Report required by Module II.K.2 and Section B-4b(2)(viii) of the WIPP's Hazardous Waste Permit No. NM4890139088. This report has been prepared in accordance with 20 NMAC 4.1.500, incorporating 40 CFR 264.75, (EPA Form 8700-13b, WR), which also requires submittal of the enclosed RCRA Closure Cost Estimates. Please note that the Waste Isolation Pilot Plant did not receive hazardous waste from off-site for disposal during Calendar Year 1999, as indicated on EPA Form WR.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to 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.

Please contact Ms. Cynthia Zvonar at (505) 234-7495, if you have any questions regarding this transmittal.

Sincerely,

Barbara E. Smith
/s/ Dr. Inés R. Triay, Manager
U. S. Department of Energy

John Lee for
J. U. Epstein, General Manager
Westinghouse Waste Isolation Division

Enclosure

- cc:
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**TABLE K-1
RCRA CLOSURE COST ESTIMATE**

This estimate equals the cost of final closure at the point in the facility's active life when the extent and manner of its operation would make closure the most expensive, in accordance with the requirements of 20 NMAC 4.1.500 (incorporating 40 CFR §264.142(a)(1)).

		Partial Closure Cost (1 year)	Contingency Closure Cost (3 years)	Final Closure Cost (10 years)	
6	Infrastructure				
	RCRA Permit Fee	*	*	*	
7	Section I-2a	Engineering Certification	\$140,472	\$2,321,187	\$4,194,393
8	Subtotal	\$140,472*	\$2,321,187*	\$4,194,393*	
9	Panel Closure				
	Excavate salt for concrete barriers	\$42,000	\$42,000	\$84,000	
10	Section I-1e(2)(d)	Excavate salt for explosion-isolation walls	\$14,000	\$14,000	\$28,000
11	Section I-1e(1)	Steel for concrete barriers	\$150,000	\$150,000	\$300,000
12	Figure I-4	Concrete for concrete barriers	\$676,000	\$676,000	\$1,352,000
13	Attachment I1	Grout for concrete barriers	\$370,000	\$370,000	\$740,000
	Concrete blocks in place for explosion-isolation walls	\$290,000	\$290,000	\$580,000	
14	Subtotal	\$1,542,000	\$1,542,000	\$3,084,000	
15	Shafts/Borehole Closure				
16	Equipment	NA	NA	\$5,450,000	
17	Section I-1e(2)(e)	Mobilization and Demobilization	NA	NA	\$4,090,800
18	Attachment I2	Decommissioning and Disposal	NA	NA	\$1,451,950
	Seal materials	NA	NA	\$43,549,220	
	Grouting	NA	NA	\$1,454,842	
	Borehole plugging	NA	NA	\$1,300,000	
19	Subtotal	\$0	\$0	\$57,296,812	
20	Site Contamination Surveys				
21	Surface	NA	\$1,354,182	\$1,354,182	
22	Section I-1e(2)(a)	Underground	NA	\$1,227,607	NA
23	Subtotal	\$0	\$2,581,789	\$1,354,182	
24	Decontamination				
25	Surface	NA	957,000	957,000	
26	Section I-1e(2)(b)	Underground	NA	798,590	NA
27	Subtotal	\$0	\$1,755,590	\$957,000	
28	Subtotals	\$1,682,472*	\$8,200,566*	\$66,886,387*	
29	Contingency (20%)	\$336,494*	\$1,640,113*	\$13,377,274*	
30	Totals	\$2,018,966*	\$9,840,679*	\$80,263,664*	

* RCRA Permit Fee will be included upon approval of NMED Fee Regulations

TABLE K-2
RCRA POST-CLOSURE COST ESTIMATE

		Post-Closure Cost (30 years)
Infrastructure		
Section J-2	RCRA Permit Fee	*
Subtotal		*
Active Institutional Controls^a		
	Groundwater Monitoring	\$14,000,000
	Repository Footprint Fencing	\$1,138,526
	Surveillance Monitoring	\$528,653
Subtotal		\$15,667,179
Subtotals		\$15,667,179*
	Contingency (20%)	\$3,133,436*
	Totals	\$18,800,615*

* RCRA Permit Fee will be included upon approval of NMED Fee Regulations

^a Labor costs are included in each line item under active institutional controls.