Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221

FEB 0 8 2014

Mr. John E. Kieling, Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303

Subject: Notification of Class 1 Permit Modification to the Waste Isolation Pilot Plant Hazardous Waste Facility Permit Number: NM4890139088-TSDF

Dear Mr. Kieling:

Enclosed is a Class 1 Permit Modification Notification for the following items:

- Editorial Changes in Monitoring Records Text in Part 1
- Editorial Changes in Attachment C6 and Attachment C3
- Update Table L-4 and List of Active Environmental Permits
- Clarify Text Related to Marking and Labeling Packages in Part 3
- Clarify Table E-1a
- Revise Table 4.1.1
- Revise Table G-1

We certify under penalty of law that this document and all attachments were prepared under our direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on our 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 our knowledge and belief, true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Mr. George T. Basabilvazo at 575-234-7488.

Sincerely,

Original Signatures on File

Jose R. Franco, Manager
Carlsbad Field Office

M. F. Sharif, Project Manager
Nuclear Waste Partnership LLC

Enclosure

cc: w/enclosure
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Class 1 Permit Modification Notifications

Editorial Changes in Monitoring Records Text in Part 1
Editorial Changes in Attachment C6 and Attachment C3
Update Table L-4 and List of Active Environmental Permits
Clarify Text Related to Marking and Labeling Packages in Part 3
Clarify Table E-1a
Revise Table 4.1.1
Revise Table G-1

Waste Isolation Pilot Plant
Carlsbad, New Mexico

NM4890139088-TSDF

February 2014

Table of Contents

Overview of the Permit Modification Notifications

This document contains Class 1 Permit Modification Notifications (**PMNs**) to modify the Hazardous Waste Facility Permit (**Permit**) at the Waste Isolation Pilot Plant (**WIPP**), Permit Number NM4890139088-TSDF.

These PMNs are being submitted by the U.S. Department of Energy (**DOE**) and Nuclear Waste Partnership LLC (**NWP**), collectively referred to as the Permittees, in accordance with Permit Part 1.3.1. (20.4.1.900 New Mexico Administrative Code (**NMAC**) incorporating Title 40 of the Code of Federal Regulations (40 **CFR**) §270.42(a)). The PMNs in this document are necessary to notify the New Mexico Environment Department (**NMED**) of changes which impact the WIPP facility. These changes do not reduce the ability of the Permittees to provide continued protection to human health and the environment.

The requested modifications to the Permit and any related supporting documents are provided in these PMNs. The proposed modification to the text of the Permit has been identified using red text and double underline and a ~~strikeout~~ font for deleted information.

Attachment A
Description of the Class 1 Permit Modification Notifications

Table 1. Class 1 Hazardous Waste Facility Permit Modification Notifications

Item No.	Affected Permit Section	Change Description	Category
1	Permit Part 1, Section 1.7.10.3.ii, iv, and v	This modification revises Permit Part 1, Sections 1.7.10.3. ii., iv, and v. to clarify that the name of the individual(s) who have performed the required sampling and/or analytical techniques or methods that shall be included in the specified monitoring records.	A.1
2	Attachment C6, Table C6-4, Item 314, Attachment C3, Section C3-4b(3)	This modification revises Permit Attachment C6, Table C6-4, Item 314 to be consistent with the referenced Permit text in Permit Attachment C3, Section C3-2b and changes a reference in Attachment C3, Section C3-4b(3) from “C3-12b(3) to “C3-6b(3).	A.1
3	Attachment L, List of Tables and Table L-4, Attachment B, Active Environmental Permits and Approvals for the Waste Isolation Pilot Plant	This modification updates Permit Attachment L, List of Tables, Table L-4 and Permit Attachment B, Active Environmental Permits and Approvals and includes some editorial changes which will correct the reference to the appropriate section number in the Part A Form from “8” to “7” and change the Section reference from “8” to “7” in two places in the narrative. This modification changes the Title of Table L-4 in the List of Tables from “DMP” to “WLMP” and “January 2011” to “February 2014,” updates the title of Table L-4, and changes well ID AEC-7 to AEC-7R and well ID H-11b4 to H-11b4R in Table L-4.	A.1
4	Permit Part 3, Section 3.7.2.	This modification clarifies Permit Part 3, Section 3.7.2. to ensure that clearly legible markings or labels are present on the Contact-Handled or Remote-Handled Packages.	A.1
5	Attachment E, Table E-1a.	This modification clarifies Attachment E, Table E-1a by adding a footnote that explains Inspections and PM’s are not required on equipment that has no plans for use.	A.1
6	Permit Part 4, Table 4.1.1	This modification will add the final waste volume to Panel 6 which is now filled.	A.1
7	Attachment G, Table G-1	This modification revises Attachment G, Table G-1 to reflect the actual operations, and closure start dates and projected closure end date for Panel 6 and actual operations start date of Panel 7.	A.1

Item 1

Description

This modification revises Permit Part 1, Sections 1.7.10.3. ii., iv, and v. to clarify that the name of the individual(s) who have performed the required sampling and/or analytical techniques or methods shall be included in the specified monitoring records.

Basis

The change is classified as an "*Administrative and informational change*" and is, therefore, a Class 1 modification pursuant to 20.4.1.900 NMAC (incorporating 40 CFR 270.42, Appendix I, A.1).

Discussion

This change is needed to clarify the identity of the "individuals" and/or analytical techniques or methods that shall be included in the specified monitoring records.

Revised Permit Text

1.7.10.3. Monitoring Records Contents

As specified by 20.4.1.900 NMAC (incorporating 40 CFR §270.30(j)(3)), records of monitoring information shall include:

i. The dates, exact place, and times of sampling or measurements;

ii. The names of individuals who performed the sampling or measurements;

iii. The dates analyses were performed;

iv. The names of individuals who performed the analyses;

v. The names of analytical techniques or methods used; and

vi. The results of such analyses.

Item 2

Description

This modification revises Permit Attachment C6, Table C6-4, Item 314 to be consistent with the referenced Permit text in Permit Attachment C3, Section C3-2b and changes a reference in Attachment C3, Section C3-4b(3) from “C3-12b(3)” to “C3-6b(3).”

Basis

The change is classified as an “*Administrative and informational change*” and is, therefore, a Class 1 modification pursuant to 20.4.1.900 NMAC (incorporating 40 CFR 270.42, Appendix I, A.1).

Discussion

This change is needed to align Item 314 in Attachment C6 with the requirement in Attachment C3, Section C3-2b. The change in Attachment C3-4b(3) is needed in order to correctly reference C3-6b(3) Waste Stream Characterization Package.

Revised Permit Text

Table C6-4 Visual Examination (VE) Checklist

	WAP Requirement[1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	Training					
296	Is there documentation which shows that a standardized training program for visual examination operators has been developed? Is it specific to the site and include the various waste configurations generated/stored at the site? (Section C1-2)					
297	Is there documentation which shows that the visual examination operators receive training on the specific waste generating processes, typical packaging configurations, and waste material parameters expected to be found in each Waste Matrix Code at the site? (Section C1-2)					
298	Are the visual examination personnel requalified once every two years? (Section C1-2)					
298a	Does the training include the following regardless of Summary Category Group? • Identifying and describing the contents of a waste container by examining all items in waste containers of previously packaged waste. • Identifying when VE cannot be used to meet the DQOs, (Section C1-2)					
	Visual Examination Expert Requirements					
300	Does documentation ensure that the site has designated a visual examination expert? Is the visual examination expert familiar with the waste generating processes that have taken place at the site? Is the visual examination expert familiar with all of the types of waste being characterized at that site? (Section C1-2)					

	WAP Requirement[1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
301	Does documentation ensure that the visual examination expert shall be responsible for the overall direction and implementation of the visual examination aspects of the program? Does the site's QAPjP specify the selection, qualification, and training requirements of the visual examination expert? (Section C1-2)					
	Visual Examination Procedures					
304	Do procedures indicate that all visual examination activities are documented on video/audio media or VE performed by using a second operator to provide additional verification by reviewing the contents of the waste container to ensure correct reporting? (Section C1-2)					
304a	Are procedures in place to ensure that when VE is performed using a second operator, each operator performing VE shall observe for themselves the waste being placed in the container or the contents within the examined waste container when waste is not removed? (Section C1-2)					
313	Do site procedures ensure that when liquid is found, the non-transparent internal container holding the liquid will be assumed to be filled with liquid and this volume will be added to the total liquid in the container being characterized using VE? The container being characterized using VE would then be rejected and/or repackaged to exclude the internal container if it is over the TSDF-WAC limits. (Section C-3b)					

	WAP Requirement[1]	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	Quality Assurance Objectives					
314	Are process procedures in place to meet the following Quality Assurance Objectives? Precision • Precision is maintained by reconciling any discrepancies between the operator and the independent technical reviewer with regard to identification of waste matrix code, liquids in excess of TSDF-WAC limits, and compressed gases. Accuracy • Accuracy is maintained by requiring operators to pass a comprehensive examination and demonstrate satisfactory performance in the presence of the VE expert during their initial qualification ~~and subsequent requalification~~. VE operators shall be requalified every two years. Completeness • A validated VE data form will be obtained for 100 percent of the waste containers subject to VE. Comparability • The comparability of VE data from different operators shall be enhanced by using standardized VE procedures and operator qualifications. (Section C3-2b)					

1. The WAP requirements should be presented in documents, such as procedures. Each of the questions posed under WAP requirements are meant to determine whether procedures are in place or whether documents are evident which demonstrate that the specific WAP requirement is or can be met.

C3-4b(3) Prepare Waste Stream Characterization Package

In the event the Permittees request detailed information on a waste stream, the Site Project Manager will provide a Waste Stream Characterization Package. The Site Project Manager must ensure that the Waste Stream Characterization Package (Section C3-6~~12~~b(3)) will support waste characterization determinations.

Item 3

Description

This modification updates Permit Attachment L, List of Tables, Table L-4 and Permit Attachment B, Active Environmental Permits and Approvals and includes some editorial changes which will correct the reference to the appropriate section number in the Part A Form from “8” to “7” and change the Section reference from “8” to “7” in two places in the narrative. This modification changes the Title of Table L-4 in the List of Tables from “DMP” to “WLMP” and “January 2011” to “February 2014,” updates the title of Table L-4, and changes well ID AEC-7 to AEC-7R and well ID H-11b4 to H-11b4R in Table L-4.

This modification also updates Permit Attachment B, Active Environmental Permits and Approvals for the Waste Isolation Pilot Plant as of February 2014. The first change is to Number 2, the Current Permit Granted/Submitted column is changed from “08/243/83” to “08/23/83”. Number 20, the Current Permit Status column is changed from “Active” to “Active-In renewal process.” Number 22 has three changes, the Permit/Right of Way Number column is changed from “2033” to “1504” the Expiration column is changed from “06/30/12” to “06/30/14” and the Current Permit Status column is changed from “Currently being renewed” to “Active.” Numbers 34 and 68 the Current Permit Status column is changed from “Active” to “P&A.” Number 113 the Expiration column is changed from “04/30/13” to “04/30/18” and “In Renewal Process” is deleted from the Current Permit Status column. Number 114 the Expiration column is changed from “05/31/12” to “03/31/14” and the Current Permit Status column “In Renewal Process” is deleted. Number 115 in the Current Permit Status column is changed from “Active” to “In Renewal Process.” Numbers 135, 136, and 137 are new Permits that are added to this table.

Basis

The change is classified as an “*Administrative and informational change*” and is, therefore, a Class 1 modification pursuant to 20.4.1.900 NMAC (incorporating 40 CFR 270.42, Appendix I, A.1).

Discussion

This change is needed to update the Permit Attachment L, List of Tables and Table L-4. Two wells in Table L-4 have been plugged and replaced. The well ID’s are AEC-7 and H-11b4. Wells that have been replaced are designated with an “R” in Table L-4. This modification updates the Title of Attachment L, List of Tables from “DMP” to “WLMP” and date to reflect the date of this change. This modification also changes the title of Table L-4 to be consistent with the List of Tables.

This change is needed to update the Permit Attachment B, Active Environmental Permits and Approvals for the Waste Isolation Pilot Plant as of February 2014 and to make some editorial changes which will change the item number of the Process Codes and Design Capacities continuation page to reference to the appropriate section number in the Part A Form from “8” to “7” and change the Section reference in the text from “8” to “7” in two places.

Revised Permit Text

LIST OF TABLES

Table L-4

List of Culebra Wells in the WLMP, Current as of February 2014~~January 2011Culebra WLMP~~

WELL ID	WELL ID	WELL ID
AEC-7R	H-17	SNL-15
C-2737	H-19 pad*	SNL-16
ERDA-9	I-461	SNL-17
H-02b2	SNL-01	SNL-18
H-03b2	SNL-02	SNL-19
H-04bR	SNL-03	WQSP-1
H-05b	SNL-05	WQSP-2
H-06bR	SNL-06	WQSP-3
H-07b1	SNL-08	WQSP-4
H-9bR	SNL-09	WQSP-5
H-10c	SNL-10	WQSP-6
H-11b4R	SNL-12	WIPP-11
H-12	SNL-13	WIPP-13
H-15R	SNL-14	WIPP-19
H-16		

*H-19b0 monthly

Active Environmental Permits and Approvals for the Waste Isolation Pilot Plant as of February 2014~~June 25, 2012~~

	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	~~08/243/83~~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	09/28/14	Active
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	04/05/10	09/09/13	Active-In renewal process
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 ~~2033~~1504 Facility Number 31539	07/01/11	06/30/~~12~~14	~~Currently being renewed~~Active
23.	Office of New Mexico State Engineer	Monitoring Well Exhaust Shaft Exploratory Borehole	C-2801	02/23/01	None	Active
24.	Office of New Mexico State Engineer	Monitoring Well Exhaust Shaft Exploratory Borehole	C-2802	02/23/01	None	Active

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
25.	Office of New Mexico State Engineer	Monitoring Well Exhaust Shaft Exploratory Borehole	C-2803	02/23/01	None	Active
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	~~Active~~ 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
56.	Office of New Mexico State Engineer	Monitoring Well H-6B	C-2749	11/06/00	None	P&A

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
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	Active
68.	Office of New Mexico State Engineer	Monitoring Well H-11B1	C-2767	11/06/00	None	~~Active~~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
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	Active

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

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

	Granting Agency	Type of Permit	Permit/Right of Way Number	Granted/ Submitted *	Expiration	Current Permit Status
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/~~13~~18	Active~~-In Renewal Process~~
114.	US Fish and Wildlife Service	Special Purpose – Relocate	MB155189-0	06/01/10	~~05/31/12~~03/31/14	Active~~-In Renewal Process~~
115.	New Mexico Department of Game and Fish	Biotic Collection Permit	Authorization # 3293	01/26/11	12/31/13	~~Active~~In Renewal Process
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
118.	Office of New Mexico State Engineer	Monitoring Well C-2737	C-2737	09/27/00	None	Active

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

~~8~~7. PROCESS—CODES AND DESIGN CAPACITIES (continued)

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

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

The process design capacity for the miscellaneous unit (composed of ten underground HWMUs in the geologic repository) shown in Section ~~8~~ 7 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 ~~8~~ 7 B. One is inside the Waste Handling Building (WHB) and consists of the contact-handled (CH) bay, waste shaft conveyance loading room, waste shaft conveyance entry room, RH bay, cask unloading room, hot cell, transfer cell, and facility cask loading room. This HWMU will be used for waste receipt, handling, and storage (including storage of derived waste) prior to emplacement in the underground geologic repository. No treatment or disposal will occur in this S01 HWMU. The capacity of this S01 unit for storage is 194.1 m^3, based on 36 ten-drum overpacks on 18 facility pallets, four CH Packages at the TRUDOCKs, one standard waste box of derived waste, two loaded casks and one 55-gallon drum of derived waste in the RH Bay, one loaded cask in the Cask Unloading Room, 13 55-gallon drums in the Hot Cell, one canister in the Transfer Cell and one canister in the Facility Cask Unloading Room. The second S01 HWMU is the parking area outside the WHB where the Contact- and Remote-Handled Package trailers and the road cask trailers will be parked awaiting waste handling operations. The capacity of this unit is 50 Contact-Handled Packages and twelve Remote-Handled Packages with a combined volume of 242 m^3. The HWMUs are shown in Figures B3-2, B3-3, and B3-4.

During the ten year period of the permit, up to 148,500 m^3 of CH TRU mixed waste could be emplaced in Panels 1 to 8 and up to 2,635 m^3 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 latter areas will not receive waste for disposal under this permit.

Item 4

Description

This modification clarifies Permit Part 3, Section 3.7.2. to ensure that clearly legible markings or labels are present on the Contact-Handled or Remote-Handled Packages.

Basis

The change is classified as an "*Administrative and informational change*" and is, therefore, a Class 1 modification pursuant to 20.4.1.900 NMAC (incorporating 40 CFR 270.42, Appendix I, A.1).

Discussion

This change is needed to clarify that when packages are received at the WIPP facility with their contents properly denoted, there is no reason to add additional signage. If the required markings or labels are not intact, then the Permittees will affix clear markings or labels denoting the package contents.

Revised Permit Text

3.7.2. Inspection of Sealed Contact-Handled or Remote-Handled Packages

The Permittees shall not be required to inspect the contents of sealed Contact-Handled or Remote-Handled Packages stored in compliance with Permit Section 3.1.2 and Permit Attachment A1, Section A1-1e(2). The Permittees shall ensure ~~attach~~ a clearly legible marking or label is present on ~~sign to~~ each Contact-Handled and Remote-Handled Package indicating whether the Contact-Handled or Remote-Handled Package contains TRU mixed waste.

Item 5

Description

This modification clarifies Attachment E, Table E-1a by adding a footnote that explains Inspections and PM's are not required on equipment that has no plans for use.

Basis

The change is classified as an "*Administrative and informational change*" and is, therefore, a Class 1 modification pursuant to 20.4.1.900 NMAC (incorporating 40 CFR 270.42, Appendix I, A.1).

Discussion

This change is needed to allow operators to suspend preventive maintenance and inspections of equipment that has no schedule for use. Note that the inspections will be completed in accordance with the Permit Attachment E, Section E-1 prior to resuming operation of the equipment (see the referenced Permit text below).

> *Operators are trained to consult the logbook to identify the status of any piece of waste handling equipment prior to its use. Once a piece of equipment is identified to be operable, a preoperational inspection is initiated in accordance with the appropriate inspection procedure in Tables E-1, E-1a, or in operational procedures….*

Revised Permit Text

Table E-1a
RH TRU Mixed Waste Inspection Schedule/Procedures

System/ Equipment Name	Responsible Organization [J]	Inspection [a] Frequency and Job Title of Personnel Normally Making Inspection [J]	Procedure Number (Latest Revision) [I]	Inspection Criteria		
				Deterioration[b]	Leaks/ spills	Other
Cask Transfer Car(s)	Waste Operations	Pre-evolution [c,d,e] See List 1	WP05-WH1701 PM041187 (Semi-Annual)	Yes	NA	Pre-evolution Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication
RH Bay Overhead Bridge Crane	Waste Operations	Preoperational [c,d,e,i] See List 1	WP05-WH1741 PM041232 (Quarterly) PM041117 (Annual)	Yes	Yes	Pre-operational Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication
Facility Cask	Waste Operations	Pre-evolution [c,d,e,f] See List 1	WP05-WH1713 PM041201 (Annual) PM041203 (Annual)	Yes	NA	Pre-evolution Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication. Electrical PM.
RH Bay Cask Lifting Yoke	Waste Operations	Preoperational [c,d,e,i] See List 1	WP05-WH1741 PM041169 (Annual)	Yes	NA	Pre-operational Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication
Facility Cask Transfer Car	Waste Operations	Pre-evolution [c,d,e,f] See List 1	WP05-WH1704 PM041186 (Quarterly) PM041195 (Annual)	Yes	Yes	Pre-evolution Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication Electrical Inspection
Facility Cask Rotating Device	Waste Operations	Pre-evolution [c,d,e,f] See List 1	WP05-WH1713 PM041175 (Annual) PM041176 (Annual)	Yes	Yes	Pre-evolution Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication Electrical Inspection
Facility Grapple	Waste Operations	Pre-evolution [c,d,e,f] See List 1	WP05-WH1721 PM041172 (Quarterly) PM041177 (Annual)	Yes	NA	Pre-evolution Checks and Operating Instructions. Mechanical Inspection for Wear. Non-Destructive Examination
6.25-Ton Grapple Hoist	Waste Operations	Pre-evolution [c,d,e,f] See List 1	WP05-WH1721 PM041173 (Annual)	Yes	Yes	Pre-evolution Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication
Transfer Cell Shuttle Car	Waste Operations	Pre-evolution [c,d,e,f] See List 1	WP05-WH1705 PM041184 (Semi-Annual) PM041222 (Annual)	Yes	Yes	Pre-evolution Pre-operational Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication. Electrical Inspection.

System/ Equipment Name	Responsible Organization [J]	Inspection [a] Frequency and Job Title of Personnel Normally Making Inspection [J]	Procedure Number (Latest Revision) [I]	Inspection Criteria		
				Deterioration[b]	Leaks/ spills	Other
Cask Unloading Room	Waste Operations	Preoperational [c,d,e,f,h,i] See List 1	WP05-WH1744	Yes	NA	Floor integrity
Hot Cell	Waste Operations	Preoperational [c,d,e,f,g,h,i] See List 1	WP05-WH1744	Yes	NA	Floor integrity
Hot Cell Overhead Powered Manipulator	Waste Operations	Preoperational [c,d,e,i] See List 1	WP05-WH1743 PM041215 (Annual) PM041216 (Annual) IC411037 (Annual)	Yes	Yes	Pre-operational Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication. Electrical Inspection. Load Cell Calibration
Hot Cell Bridge Crane	Waste Operations	Preoperational [c,d,e,i] See List 1	WP05-WH1742 PM041217 (Annual) PM041209 (Annual) IC411038 (Annual)	Yes	Yes	Pre-operational Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication. Electrical Inspection. Load Cell Calibration.
Transfer Cell	Waste Operations	Preoperational [c,d,e,f,h,i] See List 1	WP05-WH1744	Yes	NA	Floor integrity
Facility Cask Loading Room	Waste Operations	Preoperational [c,d,e,f,h,i] See List 1	WP05-WH1744	Yes	NA	Floor integrity
Closed Circuit Television Camera	Waste Operations	Preoperational [c,i] See List 1	WP05-WH1757	NA	NA	Operability
Radiation Monitoring Equipment	Radiation Control	Preoperational [c,d,e] See List 2	WP12-HP1245 IC240010 WP12-HP1307 IC240007 WP12-HP1314 (Annual)	Yes	NA	Operability Checks, Functional Checks, Instrument calibrations, Flow Calibration, Efficiency Checks.
Cask Unloading Room Crane	Waste Operations	Preoperational [c,d,e,i] See List 1	WP05-WH1719 PM041190 (Quarterly) PM041191 (Annual) PM041192 (Annual) IC411035 (Annual)	Yes	Yes	Pre-operational Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication. Electrical Inspection. Load Cell Calibration.

System/ Equipment Name	Responsible Organization [J]	Inspection [a] Frequency and Job Title of Personnel Normally Making Inspection [J]	Procedure Number (Latest Revision) [I]	Inspection Criteria		
				Deterioration[b]	Leaks/ spills	Other
Horizontal Emplacement and Retrieval Equipment or functionally equivalent equipment	Waste Operations	Pre-evolution [c,d,e,f] See List 1	WP05-WH1700 PM052010 (Semi-Annual)[k] PM052011 (Annual) PM052013 PM052012 PM052014 (Annual)	Yes	Yes	Assembly and Operating Instructions. Electrical Inspection. Position Transducer Calibration. Tilt Sensor Calibration.
41-Ton Forklift	Waste Operations	Preoperational [c,d,e,i] See List 1	WP05-WH1602 PM074061 PM052003 (Hours of Use) PM074027 (Quarterly) PM074029 & PM074051 (Annual)	Yes	Yes	Pre-Operational Checks. PM performed every 100 hours of operation, every 500 hours of operation or every 5 Years. Quarterly Engine Emission Test. Annual Electrical Inspection. Annual NDE.
RH Bay	Waste Operations	Preoperational [c,d,e,h,i] See List 1	WP05-WH1744	Yes	NA	Floor integrity
Surface RH TRU Mixed Waste Handling Area	Waste Operations	Preoperational [i] See List 1	WP- 05 WH1744	Yes	Yes	Posted Warning, Communications

Table E-1a (Continued)
RH TRU Mixed Waste Inspection Schedule/Procedures Notes

[a] Inspection may be accomplished as part of or in addition to regularly scheduled preventive maintenance inspections for each item or system. Certain structural systems of the WHB are also subject to inspection following severe natural events including earthquakes, tornados, and severe storms. Structural systems include columns, beams, girders, anchor bolts, and concrete walls.

[b] Deterioration includes: visible cracks, erosion, salt build-up, damage, corrosion, loose or missing parts, malfunctions, and structural deterioration.

[c] "Pre-evolution" signifies that inspections are required prior to equipment use in the waste handling process. (An evolution is considered to be from the receipt of a cask into the RH Bay through canister emplacement in the underground.) For an area, preoperational inspection includes: area is clean and free of obstructions (for emergency equipment); adequate aisle space; emergency and communications equipment is readily available, properly located and sign-posted, visible, and operational. For equipment, this includes: checking fluid levels, pressures, valve and switch positions, battery charge levels, pressures, general cleanliness, and that functional components and emergency equipment are present and operational. When the equipment is not in use, no inspections are required.

[d] When equipment needs to be inspected while handling waste (i.e., during waste unloading or transfer operations), general cleanliness and functional components will be inspected to detect any problem that may harm human health or the environment. The inspection will verify that emergency equipment is present.

[e] Inspection of RH TRU mixed waste equipment and areas in the RH Complex applies only after RH TRU mixed waste receipt begins.

[f] The inspection/maintenance activities associated with these pieces of equipment are performed when the RH Complex is empty of RH TRU mixed waste. If contamination is present, a radiation work permit may be needed.

[g] For the Hot Cell and Transfer Cell, if RH TRU mixed waste is present, camera inspections will be performed in lieu of physical inspection.

[h] The integrity of the floor coating will be inspected weekly if RH TRU mixed waste is present.

[i] "Preoperational" signifies that inspections are required prior to the first use in a calendar day.

[J] Responsible organizations refers to the organization that owns the equipment. Preventive Maintenance (PM) procedures are conducted by either mine maintenance or surface operations maintenance personnel and Instrument Calibration (IC) procedures are conducted by instrument and calibration maintenance personnel.

[k] Inspection will be performed after 250 evolutions (actual and training emplacements), if such usage occurs prior to the semi-annual inspection.

[l] Inspections and PM's are not required for equipment that is out of service.

Item 6

Description

This modification will add the final waste volume to Panel 6 which is now filled.

Basis

The change is classified as an "*Administrative and informational change*" and is, therefore, a Class 1 modification pursuant to 20.4.1.900 NMAC (incorporating 40 CFR 270.42, Appendix I, A.1).

Discussion

Permit Part 4, Table 4.1.1 requires the final waste volume to be listed for all filled panels. Panel 6 is now full and that volume needs to be added to the Permit. This notice also provides the written notification required by Permit Part 6.10.1.

Revised Permit Text

Table 4.1.1 - Underground HWDUs				
Description[1]	**Waste Type**	**Maximum Capacity[2]**		**Final Waste Volume**
Panel 1	CH TRU	636,000ft^3 (18,000 m^3)		370,800 ft^3 (10,500 m^3)
Panel 2	CH TRU	636,000 ft^3 (18,000 m^3)		635,600 ft^3 (17,998 m^3)
Panel 3	CH TRU	662,150 ft^3 (18,750 m^3)		603,600 ft^3 (17,092 m^3)
Panel 4	CH TRU	662,150 ft^3 (18,750 m^3)		503,500 ft^3 (14,258 m^3)
	RH TRU	12,570 ft^3 (356 m^3)		6,200 ft^3 (176 m^3)
Panel 5	CH TRU	662,150 ft^3 (18,750 m^3)		562,500 ft^3 (15,927m^3)
	RH TRU	15,720 ft^3 (445 m^3)		8,300 ft^3 (235 m^3)
Panel 6	CH TRU	662,150 ft^3 (18,750 m^3)		510,900 ft^3 (14,468 m^3)
	RH TRU	18,860 ft^3 (534 m^3)		7,500 ft^3 (214 m^3)
Panel 7	CH TRU	662,150 ft^3 (18,750 m^3)		
	RH TRU	22,950 ft^3 (650 m^3)		
Panel 8	CH TRU	662,150 ft^3 (18,750 m^3)		
	RH TRU	22,950 ft^3 (650 m^3)		
Total	**CH TRU**	**5,244,900 ft^3 (148,500 m^3)**		
	RH TRU	**93,050 ft^3 (2,635 m^3)**		

[1] The area of each panel is approximately 124,150 ft2 (11,533 m2).

[2] "Maximum Capacity" is the maximum volume of TRU mixed waste that may be emplaced in each panel. The maximum repository capacity of "6.2 million cubic feet of transuranic waste" is specified in the WIPP Land Withdrawal Act (Pub. L. 102-579, as amended)

Item 7

Description

This modification revises Attachment G, Table G-1 to reflect the actual operations, and closure start dates and projected closure end date for Panel 6 and actual operations start date of Panel 7, and the closure end date for Panel 5 was revised to reflect the explosion isolation wall installation date.

Basis

The change is classified as an "*Administrative and informational change*" and is, therefore, a Class 1 modification pursuant to 20.4.1.900 NMAC (incorporating 40 CFR 270.42, Appendix I, A.1).

Discussion

This modification is needed to update Permit Attachment G, Table G-1. The Underground Hazardous Waste Disposal Unit known as Panel 6 was filled in January 2014. Therefore, the Panel 6 operation end date and the closure start date in Table G-1 are revised to January 2014. The projected closure end date is July 2014 (180 days following placement of the final waste in Panel 6). Footnote 6 is being revised to add Panel 6.

The closure end date for Panel 5 was revised to reflect the explosion isolation wall installation date. The Panel 7, operations start date was updated to reflect the actual operations start date of September 2013.

Revised Permit Text

Table G-1
Anticipated Earliest Closure Dates for the Underground HWDUs

HWDU	OPERATIONS START	OPERATIONS END	CLOSURE START	CLOSURE END
PANEL 1	3/99*	3/03*	3/03*	7/03* SEE NOTE 5
PANEL 2	3/03*	10/05*	10/05*	3/06* SEE NOTE 5
PANEL 3	4/05*	2/07*	2/07*	2/07* SEE NOTE 6
PANEL 4	1/07*	5/09*	5/09*	8/09* SEE NOTE 6
PANEL 5	3/09*	7/11*	7/11*	11/~~12~~11* SEE NOTE 5
PANEL 6	3/11*	1/~~13~~14*	~~2/13~~1/14*	~~8/13~~7/14 SEE NOTE 6
PANEL 7	~~1~~9/13*	1/15	2/15	8/15
PANEL 8	1/15	1/17	2/17	8/17
PANEL 9	1/17	1/28	2/28	SEE NOTE 4
PANEL 10	1/28	9/30	10/30	SEE NOTE 4

* Actual date

NOTE 1: Only Panels 1 to 4 will be closed under the initial term of this permit. Closure schedules for Panels 5 through 10 are projected assuming new permits will be issued in 2009 and 2019.

NOTE 2: The point of closure start is defined as 60 days following notification to the NMED of closure.

NOTE 3: The point of closure end is defined as 180 days following placement of final waste in the panel.

NOTE 4: The time to close these areas may be extended depending on the nature and extent of the disturbed rock zone. The excavations that constitute these panels will have been opened for as many as 40 years so that the preparation for closure may take longer than the time allotted in Figure G-2. If this extension is needed, it will be requested as an amendment to the Closure Plan.

NOTE 5: Installation of the 12-foot explosion-isolation wall for Panels 1, 2, and 5 must be completed by the closure end date. Final closure of Panels 1, 2, and 5 will be completed as specified in this Permit no later than January 31, 2016.

NOTE 6: Final closure of Panels 3, ~~and 4~~, and 6 will be completed as specified in this Permit no later than January 31, 2016.