



Department of Energy
Carlsbad Field Office
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MAR 17 2011

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

Subject: Notification of a Class 1 Permit Modification to the Hazardous Waste Facility Permit,
Permit Number: NM4890139088-TSDF

Dear Mr. Bearzi:

Enclosed is a Class 1 Permit Modification Notification to:

- Add South Access Road for Transportation of TRU Mixed Waste

We certify under penalty of law that this document and the enclosure 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 George T. Basabilvazo at 575-234-7488.

Sincerely,

Original Signatures on File

Edward Ziemianski
Acting Manager

M. F. Sharif, General Manager
Washington TRU Solutions LLC

Enclosure

cc: w/enclosure
C. Walker, Trinity Engineering *ED
S. Zappe, NMED ED
CBFO M&RC

cc: w/o enclosure
J. Kieling, NMED ED
*ED denotes electronic distribution

Class 1 Permit Modification Notifications

Add South Access Road for Transportation of TRU Mixed Waste

**Waste Isolation Pilot Plant
Carlsbad, New Mexico**

Permit #NM4890139088-TSDF

March 16, 2011

Table of Contents

Transmittal Letter	
Table of Contents.....	i
Overview of the Permit Modification Notification.....	1
Attachment A	A-1
Table 1. Class 1 Hazardous Waste Facility Permit Modification Notification	A-2
Item 1	A-3
Description	A-3
Basis	A-3
Discussion.....	A-3
Revised Permit Text.....	A-3

Overview of the Permit Modification Notification

This document contains a Class 1 Permit Modification Notification (**PMN**) to modify the Hazardous Waste Facility Permit (**Permit**) at the Waste Isolation Pilot Plant (**WIPP**), Permit Number NM4890139088-TSDF hereinafter referred to as the Permit.

This PMN is being submitted by the U.S. Department of Energy (**DOE**) and Washington TRU Solutions LLC (**WTS**), collectively referred to as the Permittees, in accordance with Permit Part 1, Section 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 PMN in this document is necessary to notify the New Mexico Environment Department (**NMED**) of a minor change which impacts the Permit. This change does not reduce the ability of the Permittees to provide continued protection to human health and the environment.

The requested modification to the Permit and any related supporting documents are provided in this PMN. 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. All direct quotations are indicated by italicized text.

Attachment A

Description of the Class 1 Permit Modification Notification

Table 1. Class 1 Hazardous Waste Facility Permit Modification Notification

Affected Permit Section	Change Description	Category	Attachment A Page #
Attachment A4, Section A4-1	Revise Attachment A4, section A4-1 to include the south access road as a transportation route.	A.1	A-3
Attachment A4, Table A4-1	Revise Attachment A4, Table A4-1 to include the south access road as a transportation route.	A.1	A-4

Item 1

Description:

Revise Attachment A4, section A4-1, including Table A4-1 to include the transportation of TRU Mixed Waste to the site using the South Access Road. The South Access Road has been upgraded using the same criteria and design standards as the North Access Road and New Mexico Department of Transportation design standards.

Basis:

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

Revised Permit Text:

A4-1 Traffic Information and Traffic Patterns

Access to the WIPP facility is provided by two access roads that connect with U.S. Highway 62/180, 13 mi (21 km) to the north, and NM Highway 128 (Jal Highway), 4 mi (6.4 km) to the south (Figure A4-1). ~~The northern~~ These access roads, ~~which connects the site to U.S. Highway 62/180, is an access road~~ were built specifically for the Permittees ~~to~~ that will be used to transport TRU mixed waste ~~from the highway~~ to the site. Both ~~The southern~~ access roads are is owned and maintained by the Department of Energy (**DOE**). Signs and pavement markings are located in accordance with the Uniform Traffic Control Devices Manual. Access-road design designation parameters, such as traffic volume, are presented in Table A4-1.

**Table A4-1
Waste Isolation Pilot Plant Site Design Designation Traffic Parameters^a**

Traffic Parameter	North Access Road (No. of Vehicles, unless otherwise stated)	South Access Road (No. of Vehicles, unless otherwise stated)	On-Site Waste Haul Roads Contact-Handled and Remote-Handled Package Traffic)
Average Daily Traffic (ADT) ^b	800	500 <u>800</u>	8
Design Hourly Volume (DHV) ^c	144	90 <u>144</u>	NA ^g
Hourly Volume (Max. at Shift Change)	250	125 <u>250</u>	NA
Distribution (D) ^d	67%	67%	NA
Trucks (T) ^e	2%	0 <u>2%</u>	100%
Design Speed ^{h,i}	70 mph (113 kph)	60 mph (97 kph)	25 mph (40 kph)
Control of Access ^f	None	None	Full

- ^a For WIPP personnel and TRU mixed waste shipments only.
- ^b ADT—Estimated number of vehicles traveling in both directions per day.
- ^c DHV—A two-way traffic count with directional distribution.
- ^d D—The percentage of DHV in the predominant direction of travel.
- ^e T—The percentage of ADT comprised of trucks (excluding light delivery trucks).
- ^f Control of Access—The extent of roadside interference or restriction of movement.
- ^g NA—Not applicable.
- ^h mph—miles per hour.
- ⁱ kph—kilometers per hour.