



Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221
July 14, 2010



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 Planned Change to the Permitted Facility Underground Hazardous Waste Disposal Unit Panel 4

Dear Mr. Bearzi:

The purpose of this letter is to inform the New Mexico Environment Department of the Permittees' intent to physically change a portion of the permitted facility known as Panel 4. The changes are detailed in the attached "Notification of Planned Change to the Permitted Facility Underground Hazardous Waste Disposal Unit Panel 4."

This notification is required as stipulated in the Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Condition I.E.11.a.

If you have any questions regarding this notification, please contact George T. Basabilvazo at (575) 234-7488.

Sincerely,

David C. Moody, Manager
Carlsbad Field Office

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

Enclosure(s)

cc: w/enclosures
S. Zappe, NMED *ED
CBFO M&RC
*ED denotes electronic distribution



Notification of Planned Change to the Permitted Facility

Underground Hazardous Waste Disposal Unit Panel 4

The purpose of this Notification of Planned Change to the Permitted Facility is to inform NMED of the Permittees intent to perform the following changes to the underground hazardous waste disposal unit Panel 4:

1. Installation of additional bulkhead to be identified as the Volatile Organic Compound (VOC) bulkhead adjacent to the existing bulkhead in S-3650.
2. Installation of a filtration unit (e.g., granular activated carbon, zeolite, or similar filtration media) in S-3650 to reduce carbon tetrachloride emissions. This unit is tentatively scheduled for installation in the October 2010 timeframe.
3. Use of zeolite or similar filtration media in the exhaust side filtration unit (in S-3310) described in the Notification submitted to your office on January 27, 2010.

This Notification of Planned Change to the Permitted Facility is required as stipulated in WIPP Hazardous Waste Facility Permit (**Permit**), Condition I.E.11.a.

The filtration system is being used to reduce carbon tetrachloride emissions.

The filtration unit is a commercially available system similar to that shown in Attachment A and the filter will consist of removable filtration media.

There will be no impact on TRU mixed waste management activities nor will there be any threat of a spill or release of TRU mixed waste. This system will not adversely impact the Permittees ability to ensure continued protection of human health or the environment.

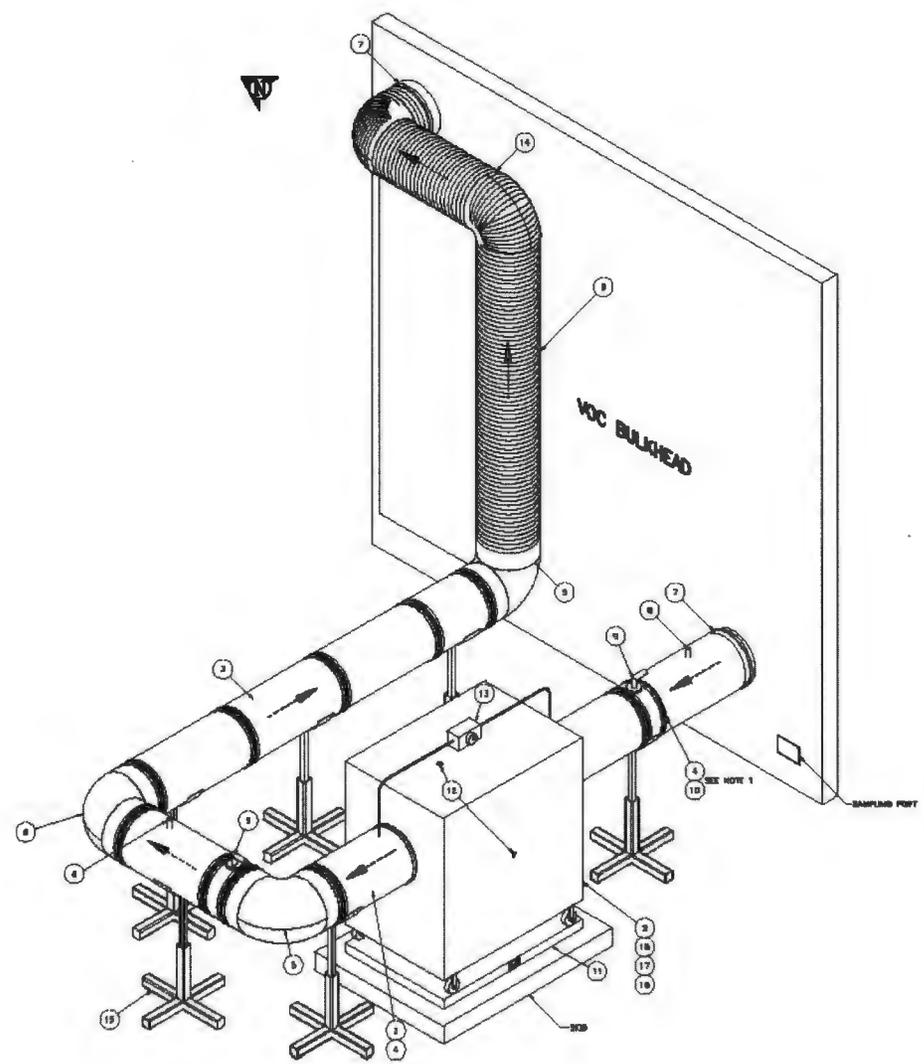
This system will not adversely impact disposal room monitoring, hydrogen and methane monitoring or the facility closure plan.

Because the Permittees are not storing or disposing of waste in the modified portion of the facility, the Permittees have determined that Permit Condition I.E.11.b does not apply and that neither certification by a registered professional engineer nor any permit modifications are required.

The intention of this planned change is to reduce carbon tetrachloride emissions.

LIST OF MATERIAL									
QTY REQ	ITEM	SPECIFIC INFORMATION	UNIT	MANUFACTURER NO. OF PART NO.	MATERIAL SPECIFICATION				
					SIZE	FIN	FINISH		
1	VOC SUMPPLY SYSTEM ASSEMBLY								
1	1/2" AIR BUSH	2000 10	A						
13	1/2" DIA. HEX. BUSH (SEE NOTE 1)		B	304SS	ONLY STEEL				
15	1/2" DIA. CONNECTING BUSH (SEE NOTE 1)		B	304SS	ONLY STEEL				
4	1/2" DIA. OF TUBING		B	304SS	ONLY STEEL				
30	1/2" DIA. FLEX BUSH		B	304SS	ONLY STEEL				
2	1/2" DIA. SELF HEALING FLANGE		B	304SS	ONLY STEEL				
7	3/8" DIA. BELLOWS WIRE CONNECTOR 1/2" DIA. OD 1/2" DIA.		C	5-400-11-4	CHROME STEEL				
2	1/2" DIA. CONTROL VALVE		B	1750007	ONLY STEEL				
10	WORM DRIVE CLAMPS 9/16" DIA. (SEE NOTE 1)		B	54554	STAINLESS STEEL				
1	AIRMAN EQUIPMENT 220V FLOOR SOCKET SERIES 270 FLUOR L		F						
1	TERMINAL SERVICE		D	1027205					
2	MACHINIC GAUGE		E	104-104-0000					
1	3/4" DIA. X 1/2" DIA. FLEXIBLE STRAP (44015)		B	304SS	ONLY STEEL				
3	3-TON CAPACITY JACK STAND		C	10467240					
AR	VOC FILTER-MEDIA CARTRIDGE OR BULKHEAD ASSEMBLY CHANGING		A	1070200					
AR	PLY DUST PRE-FILTER & PACK (SEE NOTE 3)		A	1070200					
AR	WIRE FRAME PRE-FILTER & PACK (SEE NOTE 3)		A	1070200					

- NOTES**
- A. AIR BUSH AS APPROVED EQUAL.
 - B. WORM DRIVE OR APPROVED EQUAL.
 - C. SWITCH OR APPROVED EQUAL.
 - D. FURNISH AS APPROVED EQUAL.
 - E. WIRE AS APPROVED EQUAL.
 - F. AIRMAN EQUIPMENT AS APPROVED EQUAL.
 - G. JACK STAND AS APPROVED EQUAL.



NOTES

- EACH DUCT COMPONENT SHALL BE CONNECTED TOGETHER WITH A CONNECTING BUSH (ITEM #1) AND A WORM DRIVE CLAMP (ITEM #10) TO PREVENT ANY AIR LEAKAGE BETWEEN COMPONENTS.
- SWITCH IS REPRESENTATIVE OF SYSTEM ADAPT. INSTALLATION WILL BE FIELD TW.
- FOR FILTER REPLACEMENT USE ITEMS 16, 17, AND 18 ORDER AS NEEDED. SPECIFY QUANTITY. BLEND.

REV	DATE	BY	CHKD	APP'D	CRD	REV

THIS DRAWING IS UNLESS OTHERWISE SPECIFIED TO BE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF ENERGY

Washington
TRU Solutions LLC
Waste Incineration Plant Plant, Carroll, West Virginia

VOC FILTRATION SYSTEM

DATE: 10/1/02
DRAWN BY: J. M. ...
CHECKED BY: ...
APPROVED BY: ...

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ATTACHMENT A
Typical Filtration Unit