



Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221
FEB 3 2011



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

**Subject: Notification of Exceedance of Repository Volatile Organic Compound
Concentration of Concern for Carbon Tetrachloride**

Dear Mr. Bearzi:

The purpose of this letter is to notify you of the receipt of validated analytical results for a compound which exceeded the volatile organic compound (VOC) concentration of concern listed in Table IV.F.2.c of the WIPP Hazardous Waste Facility Permit (Permit) that was in effect on the date of sample collection. Table IV.F.2.c has been replaced by Table 4.6.2.3 of the current Permit as of December 30, 2010. Although the reported concentration is less than the current concentration of concern listed in Table 4.6.2.3, this notification is in accordance with the Permit Condition IV.F.2.c (Notification requirements), under the permit conditions in effect in 2010.

On December 20, 2010 and December 28, 2010, samples of the repository air were obtained from Stations VOC-A and VOC-B for VOCs as required in Section N-3a (1) and N-3c of the Permit. The data were evaluated as required in Permit Section N-3e (1) and validation was completed on January 28, 2011, in accordance with Permit Section N-5d.

After evaluation and validation, the data indicates that the concentration of concern (412.5 parts per billion-volume [ppbv] Table IV.F.2.c) was exceeded for carbon tetrachloride in the air samples collected on December 20, 2010 and December 28, 2010. The normalized and validated analytical data for the carbon tetrachloride values are included as Enclosure A of this notification. The corresponding VOC-B samples did not yield measureable concentrations, therefore background subtraction did not affect the result for VOC-A. The current concentration of concern under the permit effective December 30, 2010 for carbon tetrachloride is 960 ppbv (Table 4.6.2.3).

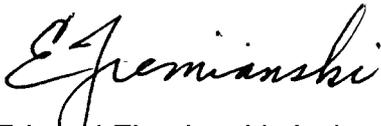
The running annual average for carbon tetrachloride following the December 28, 2010 sample is 155.9 ppbv and does not exceed the concentration of concern listed in either the current Permit or the Permit in effect at the time of sample collection, as indicated by the information included as Enclosure A of this notification. Therefore no further action is required by the Permittees.



We certify under penalty of law that this document and all enclosures were prepared under our direction or supervision according to 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 fines and imprisonment for knowing violations.

If you have any questions regarding this notification, please contact Ms. Susan McCauslin at (575) 234-7349.

Sincerely,



Edward Ziemianski, Acting Manager
Carlsbad Field Office



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

Enclosure

cc: w/o enclosure

S. Zappe, NMED

*ED

*ED denotes electronic distribution

ENCLOSURE A

VOLATILE ORGANIC COMPOUND DATA SUMMARY

Sample Collection Date	December 20, 2010
Location	Station VOC-A
Analysis Date	January 12, 2011
Validation Date	January 28, 2011
Sample ID	5757
Method	TO-15
Compound	Carbon Tetrachloride
Concentration of Concern	412.5 parts per billion-volume (ppbv)
Laboratory Result	279.18 ppbv
Normalized Result	554.83 ppbv
Running Annual Average	152.81 ppbv
VO (total airflow average)	371,354 standard cubic feet of air per minute (scfm)
VE (E-300 airflow average)	225,743 scfm

Sample Collection Date	December 28, 2010
Location	Station VOC-A
Analysis Date	January 12, 2011
Validation Date	January 28, 2011
Sample ID	5767
Method	TO-15
Compound	Carbon Tetrachloride
Concentration of Concern	412.5 ppbv
Laboratory Result	214.8 ppbv
Normalized Result	633.10 ppbv
Running Annual Average	155.92 ppbv
VO (total airflow average)	417,671 scfm
VE (E-300 airflow average)	376,552 scfm