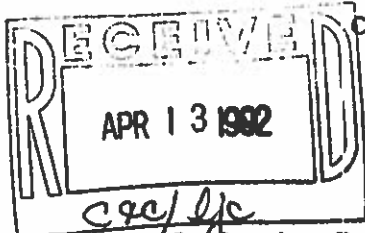




**Department of Energy**  
 Albuquerque Operations Office  
 Waste Isolation Pilot Plant Project Office  
 P. O. Box 3090  
 Carlsbad, New Mexico 88221



**ENTERED**



**APR 10 1992**

Mr. Robert J. Garcia, P.E.  
 Environmental Engineering Specialist  
 Ground Water Protection and Remediation Bureau  
 New Mexico Environment Department  
 1190 St. Francis Drive  
 Santa Fe, NM 87502

Dear Mr. Garcia:

On March 26, 1992, the Waste Isolation Pilot Plant (WIPP) Project Site Office (WPSO) requested approval from the New Mexico Environment Department (NMED) to dispose nonhazardous brines, generated by the cleaning of WIPP observation wells, through discharge into the WIPP salt pile evaporation basin. NMED approved the disposal in its March 27, 1992, letter under the provisions of WIPP Discharge Plan DP-831. In the approval letter, NMED requested the following documentation at the end of the disposal activity: (1) a copy of the analysis of the waters discharged, (2) the amount of disposed brines, and (3) the date(s) of disposal.

Results of the March 24, 1992, WIPP laboratory analysis of a composite sample of the subject brines are enclosed. Prior to discharge, the subject brines were stored in steam-cleaned frac tanks. A total of 46,578 gallons of brine were hauled by truck to the evaporation basin for disposal. On March 31, 1992, 25,368 gallons were hauled to the evaporation pond. On April 3, 1992, 21,210 gallons were hauled to the evaporation pond.

If you have any questions or require any additional information, please contact Hart M. Greenwood at 887-8107.

Sincerely,

*Arlen Hunt*  
 Arlen Hunt  
 Project Site Manager



Enclosure



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Larry J. Madl  
Manager, WID  
Environmental Monitoring  
Waste Isolation Pilot Project

April 6, 1992

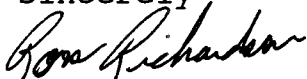
Larry,

As per request of the New Mexico Environmental Department letter dated March 27, 1992 the dates and quantities of water disposed of in the WIPP salt pile evaporation pond are as follows.

On March 24, 1992 a sample of waters to be disposed were taken and analyzed in the WIPP environmental on site laboratory. The results were TDS 49,300, Specific Gravity 1.0466, Specific Conductivity 71,800 and total Iron 3.84 mg/l. A copy of the laboratory analysis work sheet is attached.

On March 31, 1992 Rowland trucking disposed of 604 barrels (42 gallons per barrel) and again on April 3, 1992 Rowland trucking Disposed of 505 barrels. Both discharges were made to the WIPP salt evaporation pond and in each instance the tank used to transport the water from the well site to the evaporation pond was steamed cleaned prior to transporting the water. Affidavits of steam cleaning for the trucks are also attached.

Sincerely



Ron Richardson  
Principle Investigator  
Ground Water Programs



# WIPP WATER QUALITY SAMPLING PROGRAM

WELL : H66

DATE TESTED: 3-24-92

ZONE : Culebra

#1 15:30 - 3-23-92

## Total Dissolved Solids (TDS)

VWR TDS METER READINGS 49,300 PPMs

## Specific Gravity

HYDROMETER READING 1.0466

Best Available Copy

## Specific Conductivity

VWR CONDUCTIVITY METER READING 71,800 MICROMHDS

TOTAL IRON TEST	READINGS	UNITS
Fe Total	<i>Dilution 1:4</i> 0.96 x 4 =	mg / l 3.84
STD 1 / mg/l	1.04	mg / l
STANDARD Fe 1000 ppm: Mfg. <u>VWR</u> Lot <u>A1-03</u>		
DILUTION FACTOR <u>1</u> ml into <u>1000</u> ml = <u>1</u> <del>mg</del> Fe Std		
RECOVERY of <u>1.04</u> mg. Fe Std. = READING/CALCUTATED STD = <u>104%</u>		



COMMENTS

# RECORD

3083