



**Department of Energy**  
Richland Operations Office  
P.O. Box 550  
Richland, Washington 99352

OCT 09 2002

03-WMD-0010

Mr. Nicholas Ceto  
Hanford Project Manager  
U.S. Environmental Protection Agency  
712 Swift Boulevard, Suite 5  
Richland, Washington 99352

**RECEIVED**  
NOV 14 2002  
**EDMC**

Dear Mr. Ceto:

**TRANSMITTAL OF CARBON TETRACHLORIDE FIELD INVESTIGATION REPORT  
FOR DRILLING IN THE VICINITY OF PFP AND THE 216-Z-9 TRENCH, BHI-01631,  
REV. 0**

Attached for your information is the subject document. The purpose of this report is to evaluate the hydrogeologic and chemical/geochemical results from the installation of well 299-W-15-42 completed in February 2002 in the vicinity of the Plutonium Finishing Plant, and the deepening of two existing wells near the 216-Z-9 Trench, completed in June 2001. These results will be used to assess the subsurface distribution of carbon tetrachloride and refine the site conceptual models.

The 200-ZP-1 Interim Action Record of Decision (EPA et. al. 1995) specifies containment and mass reduction in the portion of the carbon tetrachloride groundwater plume in which the concentrations exceed 2000 ug/L to 3,000 ug/L. The concentration detected in well 299-W-15-42 is 1800 ug/L and does not meet this criterion. Therefore, this well will be used for groundwater monitoring at this time. This determination is consistent with the Data Quality Objectives Decision Rule #2 specified in the Drilling, Sampling, and Analysis Plan for Installation of a Well Within the Vicinity of the Plutonium Finishing Plant, DOE/RL-2001-37, approved by the U.S. Environmental Protection Agency and the U.S. Department of Energy, Richland Operations Office.

The well will be monitored quarterly for the first year and semiannually the second year, as specified in the Sampling and Analysis Plan for the 200-ZP-1 Groundwater Monitoring Well

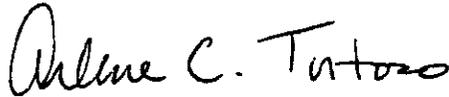
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Network (DOE-RL 2002-17). If concentrations increase significantly, the well will be reconsidered for use as an extraction well. If you have any questions, please contact me at (509) 373-9631.

Sincerely,



Arlene C. Tortoso, Project Manager  
Waste Management Division

WMD:ACT

Attachment

cc w/attach:

J. A. Hedges, Ecology  
D. A. Faulk, EPA  
D. Maddox, EM-40

cc w/o attach:

J. V. Borghese, FHI  
V. J. Rohay, CHG

10/15/02

Debbi:

Please add this letter  
and report to the Admin.  
Record for 200-ZP-1 and  
200-PW-1 OUs.

Thanks

Arlene Tortoso  
373-9631