

# Los Alamos National Laboratory

ENVIRONMENTAL RESTORATION

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Ms. Barbara Driscoll  
NM/Federal Facilities Section  
United States Environmental Protection Agency  
Region 6  
1445 Ross Avenue, Suite 1200  
Dallas, TX 75202-2733

Date: January 26, 1995  
Refer to: EM/ER:95-J019

Dear Barbara:

## **SUBJECT: NOTIFICATION OF WATER ENCOUNTERED DURING DRILLING**

During drilling below Material Disposal Area (MDA) L on December 11, 1994, water was encountered at approximately 508 ft depth (elevation about 6236 ft). As described in the approved work plan modification for Operable Unit 1148, this hole is being drilled at an angle to monitor for the presence of volatile organic compounds beneath MDA L. The production of water in this well is very slow (initially estimated at less than two gallons/day, and currently almost non-existent), which indicates that this may be perched water. We have cored the basalt at the depth of the water and obtained one sample of water. The estimated elevation of the main aquifer at this location is 5850 ft.

Because we have achieved the objective of extending the well through the area of MDA L projected downward, we have terminated drilling and are completing the well so that moisture can be monitored in addition to the vapor monitoring capabilities to be installed. We also plan to monitor a zone just above the basalt, at about 380 feet depth, which was moist as we drilled through it.

Another monitoring well will be emplaced approximately 350 ft east of this well. Our current plans are to complete that well in the basalt. We plan to sample water as it is encountered in that well.

Please call Cheryl Rofer at (505) 667-2988 or Mike Gilgosch at (505) 667-5794 if you have any further questions.



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TK

Ms. Barbara Driscoll  
January 30, 1995  
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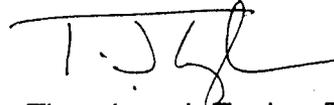
*Teri D ✓*

Sincerely,



Jorg Jahsen, Project Manager  
Environmental Restoration

Sincerely,



Theodore J. Taylor, Program Manager  
Los Alamos Area Office

JJ/TT:plp

Cy:

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