

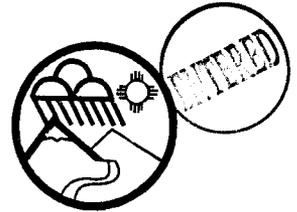


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*State of New Mexico*  
**ENVIRONMENT DEPARTMENT**

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RON CURRY  
SECRETARY

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

November 1, 2006

David Gregory  
Federal Project Director  
Los Alamos Site Office, Department of Energy  
528 35<sup>th</sup> Street, Mail Stop A316  
Los Alamos, NM 87544

David McInroy  
Remediation Services Deputy Project Director  
Los Alamos National Laboratory  
P.O. Box 1663, Mail Stop J591  
Los Alamos, NM 87545

**RE: TRANSMITTAL OF ANALYTICAL RESULTS OF GROUNDWATER SAMPLES  
COLLECTED FROM WELL R-20, LOS ALAMOS NATIONAL LABORATORY  
EPA ID #NM0890010515  
HWB-LANL-GW-MISC**

Dear Messrs. Gregory and McInroy:

On October 13 and 17, 2006, the New Mexico Environment Department (NMED) conducted split sampling of Well R-20 Screens 3 and 1, respectively. The analytical report is attached to this letter, and summarized as follows.

1. The analytical results show no detection of tetrachloroethene (PCE) from the samples collected from Screens 1 and 3 of R-20. These preliminary results may suggest that the detection of PCE in groundwater samples collected from R-20 during July 6-8, 2006 is probably due to instrumental contamination in the analytical laboratory that performed the sample analysis.
2. The analytical report shows the detection of toluene at concentrations of 14 and 0.4 µg/L, respectively, in both groundwater samples collected from Screens 1 and 3 of R-20. In addition, 4-methyl-2-pentanone was also detected in the sample collected from Screen 1 at a concentration of 1.2 µg/L, which is below the reporting limit of 10 µg/L, but greater than the method detection limit. No detections of toluene and 4-methyl-2-pentanone in the method blank validate the analytical results. All laboratory control sample results were within the control limits. No field trip blank was provided for the laboratory analysis of volatile organic chemicals.



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Messrs. Gregory and McInroy  
Sample Results of R-20  
November 1, 2006  
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Because of the detection of toluene, the Permittees must continue to monitor, in accordance with the requirements specified in the Consent Order and the Interim Facility-Wide Groundwater Monitoring Plan, the groundwater quality from all three screens of R-20, and R-21, as soon as possible after completing rehabilitation of these wells. Particularly, NMED expects that R-20 will be sampled in the next round of Pajarito Canyon groundwater monitoring as scheduled in the period from November 13 to December 3, 2006 in the Interim Facility-Wide Groundwater Monitoring Plan.

Please contact either John Young at (505) 428-2538 or Hai Shen at (505) 428-2539 if you have any questions or comments.

Sincerely,



James P. Bearzi  
Chief  
Hazardous Waste Bureau

JPB:hs

Enclosure: Attachment 1, Analytical Report

cc: D. Cobrain, NMED HWB  
J. Young, NMED HWB  
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file: Reading and LANL General (Groundwater, R-20, R-21)