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State of New Mexico  
**ENVIRONMENT DEPARTMENT**



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**RON CURRY**  
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**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

April 2, 2007

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 MS M992  
Los Alamos, NM 87545

**RE: PERIODIC MONITORING REPORTS FOR  
MORTANDAD WATERSHED SAMPLED JUNE 26 THROUGH JULY 17, 2006  
AND SANDIA WATERSHED SAMPLED JUNE 29 THROUGH JULY 17, 2006  
LOS ALAMOS NATIONAL LABORATORY, EPA ID #NM0890010515  
HWB-LANL-06-024  
HWB-LANL-06-025**

Dear Messrs. Gregory and McInroy:

The New Mexico Environment Department (NMED) is in receipt of the U.S. Department of Energy and the Los Alamos National Security, LLC's (collectively, the "Permittees") *Periodic Monitoring Report for Mortandad Watershed Sampled June 26 through July 17, 2006*, dated November 2006 (referenced by LA-UR-06-7708/EP2006-0973) and *Periodic Monitoring Report for Sandia Watershed Sampled June 29 through July 17, 2006*, dated November 2006 (referenced by LA-UR-06-7676/EP2006-0965). NMED has reviewed the documents and has the following comments.

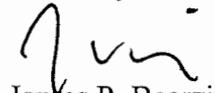


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1. The first paragraph of the Executive Summary for the Sandia Watershed periodic monitoring report (PMR) indicates that the periodic monitoring was for the Mortandad Canyon Watershed. In future submittals, the text must reflect the correct watershed.
2. In the Mortandad Watershed PMR, the titles of the figures in the table of contents do not match the title of the figures at the bottom of the pages. For example, the table of contents lists Figure 3.3-1 as "Groundwater level measurements" on page 17. The caption at the bottom of page 17 reads "Figure 3.3-1 Surface water analytical results." In future submittals, the Permittees must ensure that the figure captions and numbers accurately reflect the table of contents.
3. The clock diagrams used in Figure 4.2-1 to present groundwater analytical results are illegible. The Permittees must either find another method to present the data or enlarge the figure.
4. On Table 2.0-1 (Monitoring Locations and General Information) in both the Mortandad and Sandia Watersheds PMRs, the Permittees show some locations as "not sampled". The Permittees must provide an explanation for not sampling locations as part of the text in the monitoring results section of the document or as footnotes to the table.
5. On Table D-2 (Applicable Groundwater Regulatory Standards), Table D-3 (Applicable Surface Water Regulatory Standards), and Table E-1 (Periodic Monitoring Screening Results) in the Mortandad and Sandia Watersheds PMRs, the Permittees must provide explanations in the footnote section for the acronyms used in the column headings. Alternately, the Permittees may provide a list of acronyms and associated definitions in a separate appendix.

The Permittees must address all of the comments outlined in this letter as part of the next scheduled PMR. All submittals must be in the form of two paper copies and one electronic copy in accordance with section XI.A of the Consent Order. Should you have any questions, please contact John Young at (505) 476-6038.

Sincerely,



James P. Bearzi  
Chief

Hazardous Waste Bureau

JPB:dxg

Messrs. Gregory and McInroy  
March 29, 2007  
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cc: J. Young, NMED HWB  
S. Yanicak, NMED DOE OB, MS J993  
L. King, EPA 6PD-N  
G. Rael, DOE OLASO, MS A316  
file: Reading and LANL (Groundwater '07)