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 **ENTERED**



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**NEW MEXICO  
ENVIRONMENT DEPARTMENT**

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RON CURRY  
Secretary

JON GOLDSTEIN  
Deputy Secretary

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

July 13, 2009

David Gregory  
Federal Project Director  
Los Alamos Site Office  
Department of Energy  
3747 West Jemez Rd, Mail Stop A316  
Los Alamos, NM 87544

David McInroy  
Remediation Services Deputy Project Director  
Los Alamos National Laboratory  
P.O. Box 1663, MS M992  
Los Alamos, NM 87545

**RE: APPROVAL WITH MODIFICATIONS  
PERIODIC MONITORING REPORT FOR ANCHO WATERSHED,  
OCTOBER 15 – OCTOBER 24, 2008  
LOS ALAMOS NATIONAL LABORATORY  
EPA ID #NM0890010515  
HWB-LANL-09-027**

Dear Messrs. Gregory and McInroy:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Periodic Monitoring Report for Ancho Watershed, October 15 – October 24, 2008* (Report), dated May 29, 2009 and referenced by LA-UR-09-2844/EP2009-0231. NMED has reviewed the Report and hereby issues this Approval with the following modifications.

**Comments**

1. The Conceptual Model included in the Report (Appendix A) is not consistent with the Conceptual Models in Periodic Monitoring Reports or the Interim Facility-Wide Groundwater Monitoring Plan. For example, the Conceptual model in the 2007 Periodic Monitoring Report has the elements of the model broken into surface water, springs, alluvial groundwater, intermediate groundwater, regional aquifer, and contaminants and then gives their characteristics and descriptions in more detail. The Conceptual Model for the 2008 Report lists Ancho canyon with contaminant sources



Messrs. Gregory & McInroy  
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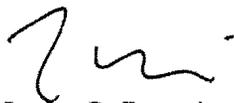
("minor dry sources and past effluent sources") and groundwater contaminants broken into alluvial, intermediate, and regional categories (with "none" listed). The Permittees must provide to NMED replacement pages with the correct Conceptual Model for Ancho Canyon, or otherwise resolve the discrepancy.

2. Appendix D does not contain all of the data for all of the ports in well R-31; data from port depths 532.2 and 670.3 are missing. The Permittees must ensure that all data are included in the Report. The Permittees must provide replacement pages for the missing data in Appendix D.
3. The "<" used in the tables of Appendix D is not defined in the Acronyms and Abbreviations on page viii or the beginning of Appendix D in the guide to symbols, abbreviations and acronyms used throughout Appendix D (page D-1 through D-2). NMED notes that it is defined in the text (page 3, Section 4.1, Methods and Procedures), however it is not defined in the abbreviations section or in the table and Section 4.1 is not cited in Appendix D. The Permittees must ensure that all symbols, abbreviations, and acronyms are defined in relation to their use in future reports.

The Permittees must address all comments and submit the replacement pages where appropriate to NMED no later than July 31, 2009. All submittals (including maps) must be in the form of two paper copies and one electronic copy in accordance with Section XI.A of the Order.

Please contact Kristen Van Horn at (505) 476-6046, should you have any questions.

Sincerely,



James P. Bearzi  
Chief  
Hazardous Waste Bureau

cc: J. Bearzi, NMED HWB  
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