

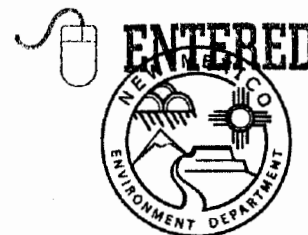


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State of New Mexico  
ENVIRONMENT DEPARTMENT

Hazardous Waste Bureau

2905 Rodeo Park Drive East, Building 1  
Santa Fe, New Mexico 87505-6313  
Phone (505) 476-6000 Fax (505) 476-6030  
www.env.nm.gov

SUSANA MARTINEZ  
Governor  
JOHN A. SANCHEZ  
Lieutenant Governor



BUTCH TONGATE  
Cabinet Secretary  
J. C. BORREGO  
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

July 31, 2017

Doug Hintze, Manager  
U.S. Department of Energy  
Los Alamos EM Field Office  
P.O. Box 1663, MS M984  
1900 Diamond Drive  
Los Alamos, NM 87544

Bruce Robinson  
Program Director  
Environmental Remediation Program  
Los Alamos National Laboratory  
P.O. Box 1663, MS M991  
Los Alamos, NM 87545

**RE: APPROVAL  
PILOT-SCALE AMENDMENTS TESTING WORK PLAN FOR CHROMIUM IN  
GROUNDWATER BENEATH MORTANDAD CANYON  
EPA ID#NM0890010515  
HWB-LANL-17-044**

Dear Messrs. Hintze and Robinson:

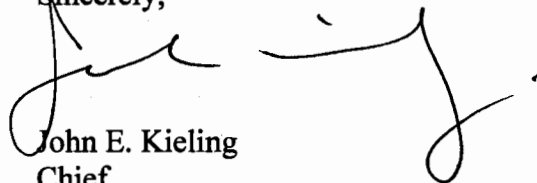
The New Mexico Environment Department (NMED) is in receipt of the United States Department of Energy (DOE) and the Los Alamos National Security, L.L.C.'s (collectively, the Permittees) document entitled *Pilot-Scale Amendments Testing Work Plan for Chromium in Groundwater beneath Mortandad Canyon* (Plan) dated July, 2017 and referenced by EP2017-0091. The Plan was received on July 11, 2017. In accordance with Section XXIII of the 2016 *Compliance Order on Consent* (Consent Order), a pre-submission meeting was held on May 17, 2017 and NMED conducted a pre-submission review of a draft version of the Plan. NMED comments concerning the content and technical approach presented in the draft Plan were resolved by the Permittees and are reflected in the final Plan. NMED emphasized the requirement for an adequate and robust post-injection performance monitoring program at amendment-injection monitoring wells R-28 and R-42 and nearby wells such as extraction well CrEX-3. NMED has reviewed the Permittees' Plan and hereby issues this Approval.



Messrs. Hintze and Robinson  
July 31, 2017  
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Please contact Michael Dale at (505) 476-3078 if you have questions concerning this approval.

Sincerely,



John E. Kieling  
Chief  
Hazardous Waste Bureau

cc: N. Dhawan, NMED HWB  
M. Dale, NMED HWB  
R. Murphy, NMED HWB  
M. Hunter, NMED GWQB  
S. Lucas Kamat, NMED DOE OB  
S. Yanicak, NMED DOE OB, MS M894  
L. King, EPA 6MM-RC  
R. Martinez, San Ildefonso Pueblo  
D. Chavarria, Santa Clara Pueblo  
C. Rodriguez, DOE-EM-LA, MS A316  
J. Buckley, LANL, ADESH-EPC-CP, MS K490  
D. Katzman, LANL, ADEM ER, MS M992  
S. Swickley, LANL, ADEM ER, MS M992

File: Reading and LANL 2017, Pilot-Scale Amendments Testing Work Plan