



SUSANA MARTINEZ
Governor

JOHN A. SANCHEZ
Lieutenant Governor

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



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
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Please contact Michael Dale at (505) 476-3078 if you have questions concerning this approval.

Sincerely,



John E. Kielling
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