



SUSANA MARTINEZ
Governor

JOHN A. SANCHEZ
Lieutenant Governor

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NEW MEXICO
ENVIRONMENT DEPARTMENT

Hazardous Waste Bureau

2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Phone (505) 476-6000 Fax (505) 476-6030
www.nmenv.state.nm.us

ENTERED



DAVE MARTIN
Secretary

BUTCH TONGATE
Deputy Secretary

JAMES H. DAVIS, Ph.D.
Director
Resource Protection Division

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

March 8, 2013

Peter Maggiore
Assistant Manager, Env. Projects Office
Los Alamos Site Office, DOE
3747 West Jemez Rd, MS A316
Los Alamos, NM 87544

Jeffrey D. Mousseau, Associate Director
Environmental Programs
Los Alamos National Security, L.L.C.
P.O. Box 1663, MS M991
Los Alamos, NM 87545

**RE: APPROVAL WITH MODIFICATION
DRILLING WORK PLAN FOR WELL R-63i
LOS ALAMOS NATIONAL LABORATORY
EPA ID#NM0890010515
HWB-LANL-12-022**

Dear Messrs Maggiore and Mousseau:

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 *Drilling Work Plan for Well R-63i* (Plan) dated February 2013 and referenced by EP2013-0015. The Plan was received on February 14, 2013. NMED has reviewed the Permittees' Plan and hereby issues this approval with the following modification.

During borehole advancement, the downward migration of contaminated (e.g., RDX) groundwater from the upper-deep perched zone to the lower targeted perched zone must be prevented. Therefore, upon reaching the upper-deep perched zone, the Permittees must seal off that zone and remove all accumulated perched zone groundwater from the borehole before continuing to advance the boring into the lower-deep perched zone. The seal must extend at minimum of 20 feet below the base of the upper-deep perched saturated zone.



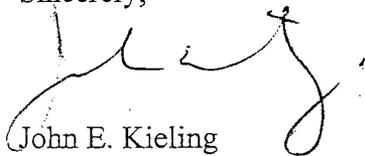
Messrs. Maggiore and Mousseau
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In accordance with Section IV.3.A.e.iv of the March 1, 2005 Compliance Order on Consent (revised October 29, 2012), the Permittees must: a) submit a well completion summary fact sheet within 30 days of R-63i completion; b) develop the well within 30 days of completion; and c) submit the R-63i well completion report within 150 days of well completion.

Based on the Permittees' proposed schedule to complete R-63i by September 30, 2013, the summary fact sheet must be submitted no later than **October 30, 2013**, the well must be developed no later than **October 30, 2013**, and the well completion report must be submitted no later than **February 27, 2014**.

Should you have any questions, please contact Michael Dale of my staff at (505) 661-2673.

Sincerely,



John E. Kieling
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
B. Wear, NMED HWB
J. Kulis, NMED HWB
M. Dale, NMED HWB
J. Schoeppner, NMED GWQB
S. Yanicak, NMED DOE OB, MS M894
L. King, EPA 6PD-N
S. Rydeen, San Ildefonso Pueblo
J. Chavarria, Santa Clara Pueblo
M. Everett, EP-ET, MS M992
S. Paris, EP-CAP, MS M992
C. Rodriguez, DOE-LASO, MS A316
H. Shen, DOE-LASO, MSA316

File: Reading and LANL 2013, Drilling Work Plan for Well R-63i