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CERTIFIED MAIL – RETURN RECEIPT REQUESTED

January 22, 2016

Doug Hintze
Manager
Environmental Management
Los Alamos Field Office
3747 West Jemez Rd, MS A316
Los Alamos, NM 87544

Michael T. Brandt
Associate Director
Environment, Safety, Health
Los Alamos National Laboratory
P.O. Box 1663, MS M991
Los Alamos, NM 87545

**RE: APPROVAL WITH MODIFICATIONS
DRILLING WORK PLAN FOR CHROMIUM PLUME CONTROL INTERIM
MEASURE AND PLUME-CENTER CHARACTERIZATION INJECTION
WELLS CrIN-1 THROUGH CrIN-6
LOS ALAMOS NATIONAL LABORATORY
EPA ID#NM0890010515
HWB-LANL-MISC-GW**

Dear Messrs. Hintze and Brandt:

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 Chromium Plume Control Interim Measure and Plume-Center Characterization Injection Wells CrIN-1 through CrIN-6* (Plan) dated December 2015 and referenced by EP2015-0204. The Plan was received on December 15, 2015. NMED has reviewed the Plan and hereby issues this approval with the following modifications.

As shown on Figure 1, page 5, of the Permittee's Plan, injection well CrIN-6 is proposed for installation near or within the vicinity of the plume center. Injection of treated groundwater at this location will likely induce downward and lateral spreading of high concentrations of hexavalent chromium and other contaminants. Therefore, relocate injection well CrIN-6 to a

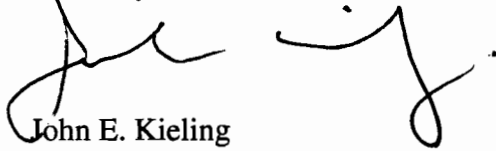


more technically appropriate location, such as up-canyon near regional monitoring well R-33 or east of well R-45. The Permittees' documentation for the required relocation of injection well CrIN-6 must be submitted to NMED by **December 30, 2016**.

The Permittees propose to install the referenced injection wells by the summer of 2017. Therefore, the Permittees must install injection wells CrIN-1 through CrIN-6 no later than **June 30, 2017**.

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

Sincerely,



John E. Kieling
Chief
Hazardous Waste Bureau

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File: LANL 2016 and Reading, Chromium Groundwater Plume, LANL-MISC-GW