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CERTIFIED MAIL – RETURN RECEIPT REQUESTED

April 28, 2016

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Los Alamos Field Office
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Michael T. Brandt
Associate Director
Environment, Safety, Health
Los Alamos National Laboratory
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**RE: APPROVAL
COMPLETION REPORT FOR COMBINED REGIONAL AQUIFER WELL R-67
AND CHROMIUM COREHOLE 6
LOS ALAMOS NATIONAL LABORATORY
EPA ID#NM0890010515
HWB-LANL-16-008**

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 *Completion Report for Combined Regional Aquifer Well R-67 and Chromium Corehole 6* (Report) dated February 2016 and referenced by EP2016-0005. The Report was received on February 18, 2016. NMED has reviewed the Report and hereby issues this approval with the following comment.

NMED notes that post-completion water-quality and contaminant characterization results at R-67, obtained from sampling events on December 3, 2015 and February 3, 2016, indicate that the well may not be producing representative samples. For example, both sampling events produced elevated concentrations of manganese, molybdenum, and uranium at levels ranging from 33.4 – 93.2 µg/L, 1.87 – 2.98 µg/L, and 1.41 - 1.96 µg/L, respectively, with higher levels occurring during the most recent sampling event. Elevated dissolved iron was detected during the February

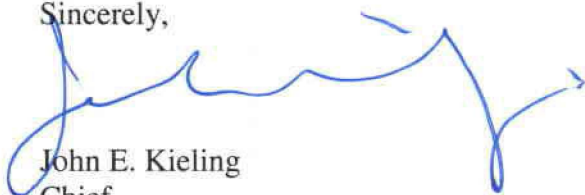
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Messrs. Hintze and Brandt
April 28, 2016
Page 2

3, 2016, sampling event at 38.3 µg/L. Additionally, dissolved oxygen measurements collected at the time of sample collection on December 3, 2015 and February 3, 2016 produced what appears to be abnormally low concentrations at 5.80 mg/L and 4.81 mg/L, respectively. These data collectively suggest that unstable hydrochemical conditions may be present at the R-67 screened interval and that additional re-development (e.g., extended pumping) actions may be warranted with the objective of re-conditioning the well so that representative water-quality and contaminant characterization data can be obtained.

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: Reading and LANL 2016, R-67, LANL-16-008

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