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CERTIFIED MAIL – RETURN RECEIPT REQUESTED

October 11, 2016

Doug Hintze, Manager
U.S. Department of Energy
EM-Los Alamos Field Office, DOE
3747 West Jemez Rd, MS A316
Los Alamos, NM 87544

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

**RE: PERIODIC MONITORING REPORT FOR
WHITE ROCK CANYON GENERAL
SURVEILLANCE MONITORING GROUP,
FIRST QUARTER, MONITORING YEAR 2016
LOS ALAMOS NATIONAL LABORATORY
EPA ID#NM0890010515
HWB-LANL-16-013**

Dear Messrs. Hintze and Brandt:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security, L.L.C.'s (LANS) (collectively, the Permittees) *Periodic Monitoring Report for White Rock Canyon General Surveillance Monitoring Group, First Quarter, Monitoring Year 2016* (Report), dated February 2016 and referenced by LA-UR-15-29605/EP2015-0208. The Report was received on February 26, 2016. NMED has reviewed the Report and has noted the following:

1. Gross alpha and gross beta activity was detected at several sampling locations where no activity was detected during the four previous monitoring events. Gross alpha detections are reported at Spring 3A (11.3 pCi/L), Spring 5 (7.38 pCi/L), Spring 6 (1.95 pCi/L), and Spring 9 (6.31 pCi/L). Gross beta detections are reported at Spring 5A (12 pCi/L) and Spring 9A (8.6 pCi/L).

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Messrs. Hintze and Brandt

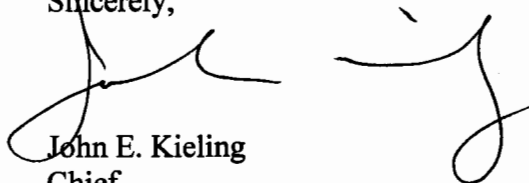
October 11, 2016

Page 2

2. Several analytes were detected above screening levels at various locations but were not reported in Section 5.2, Analytical Results or Table 4.2-3, Groundwater Results Above Screening Levels. Tin was detected above the screening level (3.26 mg/L) at Spring 3A (3.84 mg/L), Spring 4AA (11.8 mg/L), and Spring 6 (27.1 mg/L). Total Dissolved Solids were detected above the screening level (191.7 mg/L) at Spring 4 (239 mg/L) and Spring 4B (261 mg/L). Zinc was detected above the screening level (3.89 mg/L) at Ancho Spring (4.46 mg/L). Chloride was detected above the screening level (3.57 mg/L) at Spring 4b (8.83 mg/L). These analytes were reported in the Permittees' Monthly Notification of Groundwater Data Reviewed in December 2015 (LA-UR-15-29389) dated December 15, 2015.

Detections such as those referenced above must be discussed in the Permittees' Periodic Monitoring Reports. Please contact Robert Murphy at (505) 476-6022 should you have any questions or comments.

Sincerely,



John E. Kieling

Chief

Hazardous Waste Bureau

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File: Reading and LANL 2016, Groundwater, White Rock Canyon General Surveillance Monitoring Group, First Quarter; LANL 16-013