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**CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

February 29, 2016

Doug Hintze  
Manager  
Environmental Management  
Los Alamos Field Office  
3747 West Jemez Road, 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  
TRANSURANIC WASTE FACILITY SOIL VAPOR MONITORING  
SYSTEM REPORT, LOS ALAMOS NATIONAL LABORATORY  
EPA ID #NM0890010515  
HWB-LANL-15-058**

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, LLC (LANS) (collectively, the Permittees) *TA-63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Los Alamos National Laboratory* (Monitoring Report) dated and received October 29, 2015, and referenced by ENV-DO-15-0305, LA-UR-15-28198.

NMED has reviewed this Monitoring Report and issues this approval with the following modifications:

**Modifications:**

**1. Monitoring Report, Section IV: Variances**

The Permittees report that sampling well VMW-4 was relocated from its original position due to its location within a utility corridor. This location was specifically chosen through discussions with the Permittees, and it is unclear from the description or Figure 1 where new

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monitoring well is located. Please revise this Section and provide the replacement page(s) to the Monitoring Report. Please also revise and provide a new Figure 1, which depicts the new vapor monitoring well location.

**2. Monitoring Report, Table 1: Detected volatile organic compounds**

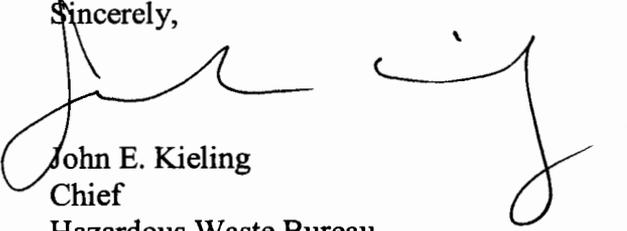
- a. In Table 1, monitoring well VMW-1 is listed as having ND in the analyte column, is left blank in the results column, and then lists 1.94E+4 for the soil-gas screening level. It is unclear to which analyte 1.94E+4 corresponds. Please resolve this apparent discrepancy by revising the table to provide the analyte and its laboratory result or by removing the screening level value if there were no detects at this location.
- b. The Permittees have not reported minimum detection limits for analytes/constituents in this table or in Attachment 3 *Analytical Results for Soil Vapor Monitoring Wells at TA-63*. In future monitoring reports, please provide minimum detection limits to facilitate the review of documents.

**3. Sampling Report, Attachment 3: Analytical Results for Soil Vapor Monitoring Wells**

- a. NMED notes that the analytical results provided do not include a list of lab qualifiers used by the analytical laboratory, for instance under the columns Lab Qual and Val Qual 'U', 'J' and 'NQ' are not defined. In future monitoring reports please include a footnote describing lab qualifiers.
- b. In the future, please provide electronic copies of all tables to NMED in Excel format to facilitate review of monitoring results.

Should you have any questions or comments, please contact Siona Briley at (505)-476-6049.

Sincerely,



John E. Kieling  
Chief  
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB  
N. Dhawan, NMED HWB  
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