State of New Mexico
ENVIRONMENT DEPARTMENT

Hazardous Waste Bureau

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CERTIFIED MAIL – RETURN RECEIPT REQUESTED

October 12, 2017

Doug Hintze, Manager
U.S. Department of Energy
EM-Los Alamos Field Office
1900 Diamond Drive, MS M984
Los Alamos, NM 87544

Bruce Robinson, Program Director
Environmental Remediation Program
Los Alamos National Laboratory
P.O. Box 1663, MS M992,
Los Alamos, NM 87545

U17015556

RE: APPROVAL
TECHNICAL APPROACH FOR CALCULATING RECREATIONAL SOIL SCREENING LEVELS FOR CHEMICALS, REVISION 5
LOS ALAMOS NATIONAL LABORATORY
EPA ID# EPA ID #NM0890010515
HWB-LANL-17-052

Dear Messrs. Hintze and Robinson:

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) *Technical Approach for Calculating Recreational Soil Screening Levels for Chemicals, Revision 5*, dated September 2017 and received August 29, 2017 (referenced by LA-UR-16-27660/EP2017-0125).

Revision 5 has successfully incorporated changes in toxicity values and physical properties recommended in the 2017 revision of NMED's *Risk Assessment Guidance for Site Investigations and Remediation* and used in the Environmental Protection Agency's (EPA) latest version (June 2017) of the Regional Screening Levels (RSLs). In addition, many of the links in Revision 5 have also been successfully updated.

Only one minor issue was identified during the review of Revision 5:

- Section 3.4.4, Equations for Carcinogens Acting by a Mutagenic Mode of Action, page 10, Equation 12 has a denominator equal to the product of (CSF_o/GI_{ABS}), EF, $DFSM_{adj}$, ABS, and 10^{-6}. The spacing between ABS, the time sign (x), and 10^{-6} makes the x look like a subscript for ABS. For clarity, it is recommended that this portion of the denominator of Equation 12 be modified from "ABSx 10^{-6}" to "ABS x 10^{-6}".

NMED hereby approves the Revision 5 of the Technical Approach for Calculating Recreational Soil Screening Levels for Chemicals. Please contact Neelam Dhawan at (505) 476-6042, if you have any questions.

Sincerely,

John E. Kieling
Chief
Hazardous Waste Bureau

cc: N. Dhawan, NMED HWB
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File: 2017 LANL, Approval Development of Rec SSLs, Rev 5
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