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23
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RYAN FLYNN
Cabinet Secretary
BUTCH TONGATE
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

August 14, 2015

Christine Gelles, Acting Manager
U.S. Department of Energy
National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Rd, MS A316
Los Alamos, NM 87544

**RE: APPROVAL WITH MODIFICATIONS
WORK PLAN FOR LOS ALAMOS COUNTY AIRPORT LANDFILL
COVER REPLACEMENT
LOS ALAMOS NATIONAL LABORATORY
EPA ID#NM0890010515
HWB-LANL-15-018**

Dear Ms. Gelles:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) Response to Notice of Disapproval (NOD) *Work Plan and Associated Design documents for the Los Alamos County Airport Landfill Cover Replacement* (Revised Work Plan) dated and received August 5, 2015.

NMED has reviewed the Revised Work Plan and hereby issues this Approval with the following Modification:

Modification:

1. Design Report: Table 2-Soil Input Parameters (page 22)

In Table 2 of the Design Report, the Permittees used “oversize corrected” van Genuchten parameters for all layers of cover soil and “oversize corrected” K_{sat} value for soil layer 2-3 ft bgs. However, the Permittees used regular (not “oversize corrected”) K_{sat} values as



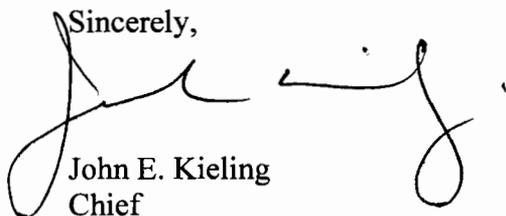
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starting points for K_{sat} adjustments for layers 0.5-1 ft bgs and 1-2 ft bgs. In addition, K_{sat} value for rock/soil admixture appears to be calculated incorrectly. The Permittees must consistently use "oversize corrected" K_{sat} values for all soil layers in Table 2, must recalculate K_{sat} value for rock/soil admixture, rerun UNSAT H computer simulation using the corrected K_{sat} values, and reevaluate the computer simulation results.

Although NMED's assessment indicates that the resulting changes in computer simulation output will be minor and will not affect the original design of the landfill cover, the Permittees must submit two sets of hard-copy replacement pages for Tables 2 and 3, Figure 10, and other affected portions of the Design Report no later than **August 31, 2015**.

If you have any questions regarding this letter, please contact Siona Briley or Jerzy Kulis of my staff at (505) 476-6049, and (505) 476 6039 respectively.

Sincerely,



John E. Kieling
Chief
Hazardous Waste Bureau

cc: S. Briley, NMED HWB
J. Kulis, NMED HWB
D. Cobrain, NMED HWB
M. Dale, NMED HWB
N. Dhawan, NMED HWB
R. Massey, DOE LAFO, MS-A316

File: 2015 Reading and LANL, TA-73, Airport Landfill, Work Plan