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Certified Mail - Return Receipt Requested

July 17, 2025

Daryl Hauck
Manager
U.S. Department of Energy
NNSA/Sandia Field Office
P.O. Box 5400, MS 0184
Albuquerque, NM 87185-5400

Gregory Roselle
Senior Manager
Sandia National Laboratories
P.O. Box 5800, MS-1395
Albuquerque, NM 87185

**RE: REQUEST FOR SUPPLEMENTAL INFORMATION
MIXED WASTE LANDFILL WELL SECOND FIVE-YEAR REPORT
SANDIA NATIONAL LABORATORIES, NEW MEXICO
EPA ID#NM5890110518
HWB-SNL-23-024**

Dear Messrs. Hauck and Roselle:

The New Mexico Environment Department (NMED) received the *Mixed Waste Landfill Well MWL-MW4 Decommissioning Report, May 2025*, (Report), with cover letter dated December 1, 2023, submitted by the U.S. Department of Energy on behalf of itself and National Technology & Engineering Solutions of Sandia, LLC (collectively, the Permittees) on December 6, 2023. NMED issued a public notice for comment on the Report; the public comment period began on June 14, 2024, and was initially to end on August 13, 2024. The public comment period was extended an additional 30 days and ended on September 10, 2024.

NMED is requesting supplemental information in order to respond to comments received during the comment period.

1. Discuss the location and activity of nearby fault zones and the Rio Grande Rift in relation to the MWL. Include any known earthquake/seismic activity monitoring in the Albuquerque area by either the Permittee or other entities. Also include a discussion on how the contents of the MWL (containers, etc) would be affected by average and highest recorded magnitude earthquakes in the Albuquerque area, including settlement and subsidence potential from collapsible containers. In addition, discuss whether seismic activity was included in the risk assessment and/or remedy selection of the MWL.
2. NMED is aware that climate change was considered during remedy selection, as discussed in the report entitled, *Probabilistic Performance-Assessment Modeling of the*

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Hazardous Waste Bureau - 2905 Rodeo Park Drive East, Building 1, Santa Fe, New Mexico 87505-6313
Telephone (505) 476-6000 - www.env.nm.gov

Messrs. Hauck and Roselle

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Mixed Waste Landfill at Sandia National Laboratories (2nd Edition), and Calculation Set for Design and Optimization of Vegetative Soil Covers, and when establishing the requirements for monitoring under the LTMMP. Discuss the effects of climate on the ET cover, both through 2014 through current time, and the effect of climate change to the ET cover in the future, which may include more extreme storm events.

3. Severe rainfall events can and have previously occurred at the location of the MWL. Heavy rainfall and a pooling effect was identified as causing berm destruction at the MWL. Include a description of berm destruction at the MWL and documents where the berm destruction was documented. Also describe maintenance activities that have occurred that will prevent subsidence due to large stormwater events in the future.

If you have any questions regarding this letter, please contact Naomi Davidson at (505) 690-7567.

Sincerely,

JohnDavid Nance  Digitally signed by JohnDavid Nance
Date: 2025.07.17 13:41:43 -06'00'

JohnDavid Nance

Bureau Chief

Hazardous Waste Bureau

cc: N. Dhawan, NMED HWB
C. Amindyas, NMED HWB
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