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**NEW MEXICO
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James C. Kenney
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Deputy Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

September 3, 2019

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

Paul Shoemaker
Senior Manager
Sandia National Laboratories
P.O. Box 6200, MS-1395
Albuquerque, NM 87185

**RE: APPROVAL
MIXED WASTE LANDFILL MONITORING AND MAINTENANCE REPORT,
APRIL 2018 - MARCH 2019, JUNE 2019
SANDIA NATIONAL LABORATORIES
EPA ID# NM5890110518
HWB-SNL-19-014**

Dear Messrs. Harrell and Shoemaker:

The New Mexico Environment Department (NMED) has received the *Mixed Waste Landfill Monitoring and Maintenance Report, April 2018 - March 2019, June 2019* (Report), with cover letter dated June 21, 2019, submitted by the U.S. Department of Energy on behalf of itself and National Technology & Engineering Solutions of Sandia, LLC (collectively, the Permittees) and received on June 26, 2019. The Report meets the annual reporting requirements listed in Permit Attachment H, Section H.9. NMED has reviewed the Report and hereby issues this Approval.

Amendments to the New Mexico Ground and Surface Water Protection Regulations, 20.6.2 NMAC, took effect on December 21, 2018. The compound 1,4-dioxane has been added to the list of toxic pollutants (see 20.6.2.7 NMAC) and is subject to a narrative standard (see Subsection B of 20.6.2.3103 NMAC). NMED's 2019 *Risk Assessment Guidance for Site*

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Investigations and Remediation identifies a carcinogenic risk-based tap water screening level of 4.59 µg/L for 1,4-dioxane. The Permittees must add 1,4-dioxane analysis for groundwater monitoring wells in the MWL monitoring network using EPA Method 8270 SIM or equivalent, for a minimum of two quarters, in order to evaluate for the presence of 1,4-dioxane in groundwater at these sites. Groundwater monitoring wells where concentrations of 1,4-dioxane are below the 4.59 µg/L level for two quarters may not require further sampling and analysis for 1,4-dioxane.

If you have any questions regarding this matter, please contact Naomi Davidson at (505) 222-9504.

Sincerely,



John E. Kieling
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
B. Wear, NMED HWB
N. Davidson, NMED HWB
L. King, EPA Region 6 (6MM-RC)
J. Todd, DOE/NNSA/SFO, MS-0184
D. Rast, DOE/NNSA/SFO, MS-0184
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File: SNL 2019 and Reading