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**NEW MEXICO  
ENVIRONMENT DEPARTMENT**

**Hazardous Waste Bureau**

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**James C. Kenney**  
Cabinet Secretary

**Jennifer J. Pruett**  
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  
ANNUAL GROUNDWATER MONITORING REPORT, CALENDAR YEAR 2018, JUNE 2019  
SANDIA NATIONAL LABORATORIES  
EPA ID# NM5890110518  
HWB-SNL-19-013**

Dear Messrs. Harrell and Shoemaker:

The New Mexico Environment Department (NMED) has received the *Annual Groundwater Monitoring Report, Calendar Year 2018, June 2019* (Report), with cover letter dated June 26, 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 28, 2019. 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 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 included in the periodic monitoring conducted at TA-V, CWL, MWL, and TAG

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using EPA Method 8270 SIM or equivalent, for a minimum of two quarters, in order to determine the concentration 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 will likely 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 (6LCRRC)  
J. Todd, DOE/NNSA/SFO, MS-0184  
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File: SNL 2019 and Reading