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**NEW MEXICO  
ENVIRONMENT DEPARTMENT**

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**James C. Kenney**  
Cabinet Secretary

**Jennifer J. Pruett**  
Deputy Secretary

July 6, 2020

**ESHID-603590**

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

Michael Weis, Manager  
Department of Energy-NNSA  
Los Alamos Field Office  
3747 West Jemez Rd, MS A316  
Los Alamos, NM 87544

Enrique Torres, Division Leader  
Environment Protection & Compliance  
Triad National Security, L.L.C.  
P.O. Box 1663, MS K491  
Los Alamos, NM 87545

**RE: REVIEW**  
**TECHNICAL AREA 63 TRANSURANIC WASTE FACILITY**  
**SOIL VAPOR MONITORING SYSTEM REPORT, QUARTER 10,**  
**LOS ALAMOS NATIONAL LABORATORY**  
**EPA ID#NM0890010515**  
**HWB-LANL-20-020**

**U2000718**

Dear Messrs. Weis and Torres:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) National Nuclear Security Administration, Los Alamos Field Office (NA-LA) and the Triad National Security, LLC (Triad) (collectively, the Permittees) *Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 10* (Report), dated March 30, 2020 and received March 31, 2020, and referenced by EPC-DO-20-121/LA-UR-20-22559.

Soil vapor monitoring was conducted at Technical Area 63 Transuranic Waste Facility on January 29, 2020 for the tenth quarter of monitoring. The Report indicates that vapor concentrations for volatile organic compounds (VOCs) from the five vapor monitoring wells (VMWs), 1 through 5, did not exceed soil-gas screening levels (SGSLs) for the identified constituents in Tables 3.14.3.1, 3.14.3.2, and 3.14.3.3 of Part 3 of the Los Alamos National Laboratory's RCRA Permit.

On March 26, 2020 the Permittees also provided *Technical Area 63 Waste Facility Soil Vapor*

*Monitoring System Additional Notification* (Notification), notifying NMED that an additional four VOCs were detected in the duplicate field sample at the sixty-foot sampling port of Well VMW-5. The VOCs detected included tetrahydrofuran (943 ug/m<sup>3</sup>), ethanol (104 ug/m<sup>3</sup>), 2-propanol (95.8 ug/m<sup>3</sup>), and 2-butanone (162 ug/m<sup>3</sup>). VOC 2-butanone (methylethylketone) is the only constituent of concern (COC) identified in Tables 3.14.3.1 - 3.14.3.3 of the Permit; and was detected at 162 µg/m<sup>3</sup> which is less than 0.1% of the soil-gas screening level of 2.27E+08. The Permittees have reviewed the sampling methods used and have not identified the cause for field contamination. NMED concurs with the Permittees proposal to conduct the duplicate sampling at the same VMW-5 at 60-ft depth to replicate the same sampling conditions in the eleventh quarter. NMED has reviewed the Report and the Notification and has no comments at this time.

If you have any questions regarding this letter, please contact Mitchell Schatz (505) 476-6051.

Sincerely,

**Kevin  
Pierard**

Digitally signed by  
Kevin Pierard  
Date: 2020.07.06  
14:15:14 -06'00'

Kevin M. Pierard, Chief  
Hazardous Waste Bureau

cc:

N. Dhawan, NMED HWB  
S. Briley, NMED HWB  
M. Schatz, NMED HWB  
S. Yanicak, NMED DOE OB, MS J993  
L. King, US EPA Region 6  
K. Armijo, NA-LA  
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File: 2020 LANL, Review Letter, TA-63 TWF Soil Vapor Monitoring System Report, QTR 10  
LANL-20-020

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**From:** [Martinez, Cynthia, NMENV](#)  
**To:** [Weis, Michael Joseph](#); [Torres, Enrique](#)  
**Cc:** [Pierard, Kevin, NMENV](#); [Dhawan, Neelam, NMENV](#); [Briley, Siona, NMENV](#); [Schatz, Mitchell, NMENV](#); [Yanicak, Steve, NMENV](#); ["king.laurie@epa.gov"](mailto:king.laurie@epa.gov); [karen.armijo@nnsa.doe.gov](mailto:karen.armijo@nnsa.doe.gov); [kim.rogers@nnsa.doe.gov](mailto:kim.rogers@nnsa.doe.gov); [Arturo.duran@em.doe.gov](mailto:Arturo.duran@em.doe.gov); [Padilla, Patrick L](mailto:Padilla, Patrick L); [kate.ellers@em-la.doe.gov](mailto:kate.ellers@em-la.doe.gov); [Story-Hughes, Sandra Dee](#); [adesh-records@lanl.gov](mailto:adesh-records@lanl.gov); [epc-correspondence@lanl.gov](mailto:epc-correspondence@lanl.gov); [locatesteam](#)  
**Subject:** [EXTERNAL] Letter to Mr. Weis and Mr. Torres  
**Date:** Monday, July 6, 2020 2:28:13 PM  
**Attachments:** [LANL 2020- Review letter, TA-63 TWF Soil Vapor Monitoring System Rpt. OTR 10 LANL-20-020.pdf](#)

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Good Afternoon,  
Please see attachment.

Cynthia Martinez  
New Mexico Environment Department  
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2905 Rodeo Park Drive East, Bldg.1  
Santa Fe, New Mexico 87505-6313

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