



ESHID-603763

MICHELLE LUJAN GRISHAM  
GOVERNOR

JAMES C. KENNEY  
CABINET SECRETARY

April 19, 2023

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

Jennifer E. Payne, Division Leader  
Environmental 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, JANUARY 2023 (QUARTER 22)**  
**LOS ALAMOS NATIONAL LABORATORY**  
**EPA ID#NM0890010515**  
**HWB-LANL-23-016**

Dear Karen Armijo and Jennifer Payne:

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, October 2022 (Quarter 22)* (Report) dated and received March 27, 2023, and referenced by EPC-DO-23-103/LA-UR-23-22949.

Soil vapor monitoring was conducted at Technical Area 63 Transuranic Waste Facility on January 26, 2023, for the twenty-second (22nd) quarter of monitoring. The Report indicates that vapor concentrations for volatile organic compounds (VOCs) from the five (5) 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.

As stated in Section IV Analytical Results, trichloroethene (TCE) continues to exhibit the highest concentrations of all VOCs detected. VMW-4 and VMW-5, the two closest wells to Material Disposal Area (MDA) C (Figure 1), consistently have the highest concentrations of TCE, with VMW-4 at 60 feet below ground surface (bgs) with 3.3% of the SGSL this quarter.

NMED has reviewed the Report and notes that the cover letter has the sampling date listed as January 2022, but should be corrected to be January 2023. NMED has no further comments at this time.

SCIENCE | INNOVATION | COLLABORATION | COMPLIANCE

Hazardous Waste Bureau - 2905 Rodeo Park Drive, Building 1, Santa Fe, New Mexico 87505 - (505) 476-6000  
[www.env.nm.gov](http://www.env.nm.gov)

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Karen Armijo and Jennifer Payne

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If you have any questions regarding this letter, please contact Mitchell Schatz at (505) 690-5910.

Sincerely,

**Rick Shean**

Digitally signed by  
Rick Shean  
Date: 2023.04.19  
15:03:03 -06'00'

Rick Shean  
Acting Bureau Chief  
Hazardous Waste Bureau

cc: N. Dhawan, NMED HWB  
M. Schatz, NMED HWB  
M. Petersen, NMED HWB  
S. Yanicak, NMED DOE OB  
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File: 2023 LANL, Review Letter TA-63 TWF Soil Vapor Monitoring System Report, QTR 22  
LANL-23-016

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**From:** [Martinez, Cynthia, ENV](#)  
**To:** [Armijo, Karen](#); [Payne, Jen](#)  
**Cc:** [Shean, Rick, ENV](#); [Dhawan, Neelam, ENV](#); [Schatz, Mitchell, ENV](#); [Petersen, Michael, ENV](#); [Yanicak, Steve, ENV](#); [Laurie King](#); [Nash, Adrienne Lyn](#); [Duran, Arturo Q.](#); [Padilla, Patrick L](#); [epc-correspondence@lanl.gov](mailto:epc-correspondence@lanl.gov); ["lasomailbox@nnsa.doe.gov"](mailto:lasomailbox@nnsa.doe.gov); [locatesteam](#); [rcra-prr@lanl.gov](mailto:rcra-prr@lanl.gov)  
**Subject:** [EXTERNAL] Review letter to Karen Armijo and Jennifer Payne  
**Date:** Wednesday, April 19, 2023 3:15:23 PM  
**Attachments:** [Review TA 63 SVE Report Q 22 April 2023.pdf](#)

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Good Afternoon,  
Please see attachment.

Cynthia Martinez  
New Mexico Environment Department  
Hazardous Waste Bureau  
2905 Rodeo Park Drive East, Bldg.1  
Santa Fe, New Mexico  
505-476-6000

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