



MAIL CERTIFIED-RETURN RECIEPT REQUESTED

February 7, 2024

Robert A. Gallegos, Manager  
Department of Energy-NNSA  
Los Alamos Field Office  
3747 West Jemez Rd, MS A316  
Los Alamos, NM 87544

Steven L. Story, Acting 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, CALENDAR YEAR 2023, QUARTER 4, NOVEMBER 2023**  
**LOS ALAMOS NATIONAL LABORATORY**  
**EPA ID#NM0890010515**  
**HWB-LANL-23-084**

Dear Robert Gallegos and Steven Story:

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, Calendar Year 2023, Quarter 4, November 2023* (Report) dated and received December 18, 2023, and referenced by EPC-DO-23-379/LA-UR-23-33613.

Soil vapor monitoring was conducted at Technical Area 63 Transuranic Waste Facility on November 1, 2023, for the fourth quarter of 2023. 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 6.9% of the SGSL this quarter. Similar to previous samplings, chloroform continues to be detected in VMW-4 and VMW-5 at both depths, with concentrations of chloroform equal to or less than 0.5% of the SGSL for the fourth quarter of sampling for 2023.

U2400147

Robert Gallegos and Steven Story  
February 7, 2024  
page 2

On December 7, 2023, NMED received DOE's *15-Day Notification of Newly Detected Constituent in Vapor Monitoring Well, Technical Area 63, Transuranic Waste Facility*. Samples collected from vapor monitoring wells VMW-2 at the 5-foot port and VMW-5 at both the 25-foot and 60-foot port field duplicate samples indicated the presence of new constituents for the first time since vapor sampling began. These constituents include chloroform, bromodichloromethane, carbon disulfide, and benzene. Of the four detected constituents, bromodichloromethane is not listed in the Permit Tables, Part 3, Tables 3.14.3.1, 3.14.3.3, and 3.14.3.3. The constituents will continue to be monitored and reported.

NMED has reviewed the Report and has no further comments at this time. If you have any questions regarding this letter, please contact Mitchell Schatz at (505) 690-5910.

Sincerely,

**Ricardo Maestas**  
Digitally signed by Ricardo  
Maestas  
Date: 2024.02.07 09:50:21 -07'00'

Ricardo Maestas  
Acting Chief  
Hazardous Waste Bureau

cc: N. Dhawan, NMED HWB  
M. Schatz, NMED HWB  
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C. Martinez, NMED HWB  
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File: 2024 LANL, TA 63, Review Letter TA-63 TWF Soil Vapor Monitoring System Report, QTR 4,  
November 2023  
LANL-23-084

U2400147

**From:** [Martinez, Cynthia, ENV](#)  
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**Cc:** [Maestas, Ricardo, ENV](#); [Dhawan, Neelam, ENV](#); [Schatz, Mitchell, ENV](#); [Petersen, Michael, ENV](#); [Martinez, Caitlin, ENV](#); [Yanicak, Steve, ENV](#); [Laurie King](#); [Duran, Arturo O.](#); [Armijo, Karen](#); [Moseley, Jessica Lee](#); [Hill, Jason Scott](#); [christian.maupin](mailto:christian.maupin); [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 Robert Gallegos and Steven Story  
**Date:** Wednesday, February 7, 2024 1:49:13 PM  
**Attachments:** [LANL-23-084 Review Letter TA-63 TWF Soil Vapor Monitoring System Rpt, QTR 4 November 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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