



ESHID-603952

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MAIL CERTIFIED

February 23, 2026

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

Steven Story, Division Leader
Environmental Protection and Compliance
Triad National Security, L.L.C.
P.O. Box 1663, MS M969
Los Alamos, NM 87545

RE: REVIEW
TECHNICAL AREA 63 TRANSURANIC WASTE FACILITY SOIL VAPOR MONITORING
SYSTEM REPORT, CALENDAR YEAR 2025, QUARTER 4
LOS ALAMOS NATIONAL LABORATORY
EPA ID#NM0890010515
HWB-LANL-25-075

Dear Robert Gallegos and Steven Story:

The New Mexico Environment Department (NMED) Hazardous Waste Bureau (HWB) has received the United States Department of Energy (DOE) National Nuclear Security Administration, Los Alamos Field Office (NA-LA) and Triad National Security LLC (Triad) (Collectively, the Permittees) *Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 4*, (Report) dated and received on December 18, 2025, and as referenced by EPC-DO-25-374/LA-UR-25-31963.

Soil vapor monitoring was conducted at Technical Area 63 Transuranic Waste Facility (TWF) on October 29, 2025, for the fourth quarter of 2025. The reviewed Report indicates that vapor concentrations for 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 (LANL's) Resource Conservation and Recovery Act (RCRA) Permit.

On December 11, 2025, the Permittees provided a 15-day notification to NMED regarding styrene in vapor monitoring well 63-2013 (VMW-5), 25-foot port, which was detected at 40 $\mu\text{g}/\text{m}^3$. Styrene and ethylbenzene were detected in the field duplicate for the 60-foot port of the same well, with the styrene measured at 55 $\mu\text{g}/\text{m}^3$ and the ethylbenzene at 41 $\mu\text{g}/\text{m}^3$. None of these detections are above the SGSLs. NMED notes that these constituents were detected last quarter in VMW-4 and should continue to be monitored for.

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Hazardous Waste Bureau - 2905 Rodeo Park Drive East, Building 1, Santa Fe, New Mexico 87505 - (505) 476-6000
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As stated in Section IV Analytical Results, trichloroethene (TCE) continues to exhibit the highest concentrations of all the VOCs detected and is therefore the primary constituent of concern (COC). VMW-4 and VMW-5, the two closest wells to Material Disposal Area (MDA) C, consistently have the highest concentrations of TCE, with VMW-4 at 60 feet below ground surface (bgs) with reported results of 4,200 $\mu\text{g}/\text{m}^3$ (4.5% of the SGSL) this quarter.

Chloroform is routinely detected in VMW-4 and VMW-5 at both depths. This quarter, concentrations detected from VMW-4 at 88 $\mu\text{g}/\text{m}^3$ (0.4 % of the SGSL) to 150 $\mu\text{g}/\text{m}^3$ (0.3 % of the SGSL) in the 25-ft and 60-ft sampling ports, respectively. VMW-5 concentrations of chloroform were 50 $\mu\text{g}/\text{m}^3$ (0.2 % of the SGSL) and 31 $\mu\text{g}/\text{m}^3$ (J-qualified or estimated and less than 0.1 % of the SGSL) in the 25-ft and 60-ft sampling ports, respectively. Chloroform is inconsistently detected in VMW-1 and VMW-2 at the 5-ft ports. However, none was detected in these wells this quarter. NMED notes that the maximum detection for chloroform is equal to or less than 0.4% of the SGSL for the fourth quarter of sampling for 2025.

Constituents not found in the Permit Tables are occasionally identified in site samples and reported. This quarter, ethanol was detected in the field duplicate sample for VMW-5, 60-ft port at 26 $\mu\text{g}/\text{m}^3$ (J). DOE should continue to analyze for ethanol in future sampling events.

NMED has reviewed the Report and currently has no further comments. Based on the reported findings, DOE should continue with quarterly sampling and analysis in TA-63 TWF.

If you have any questions regarding this letter, please contact Kay Tauscher at (505) 690-6662.

Sincerely,

JohnDavid Nance
Digitally signed by JohnDavid Nance
Date: 2026.02.23 14:59:48 -07'00'

JohnDavid Nance
Chief, Hazardous Waste Bureau
New Mexico Environment Department

cc: S. Briley, NMED HWB
K. Tauscher, NMED HWB
C. Lepp, NMED HWB
S. Yanicak, NMED DOE-OB
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Robert Gallegos and Steven Story

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File: 2025 LANL, TA-63, Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 4
LANL-25-075

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From: Martinez, Cynthia, ENV <cynthia.martinez1@env.nm.gov>
Sent: Monday, February 23, 2026 3:17 PM
To: Gallegos, Robert; Story, Steven L
Cc: Nance, JD, ENV; Dhawan, Neelam, ENV; Briley, Siona, ENV; Tauscher, Kay, ENV; Lepp, Catherine, ENV; Yanicak, Steve, ENV; 'king.laurie@epa.gov'; Harcek, Brian George; Christian T. Maupin; Robert Edwards; William Alexander; Vince Rodriguez; sarah.gilbertson@em.doe.gov; Kunkle, Jessica M; Martinez, Renee Kathleen; Chennubhotla, Naveen Kumar; N3B Records; EMLA Doc Submissions; Regulatory Documentation; 'lasomailbox@nnsa.doe.gov'; epc-correspondence@lanl.gov; locatsteam
Subject: [EXTERNAL] Review letter to Robert Gallegos and Steven Story
Attachments: LANL-25-075 Review Letter (EPC-DO-25-374)_2.23.2026.pdf

Good afternoon,
Please see attachment.

Cynthia Martinez
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