



ESHID-603927

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MAIL CERTIFIED

November 10, 2025

Robert Gallegos, Program Manager
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Los Alamos Field Office
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Los Alamos, NM 87544

Jeannette Hyatt, Senior Director
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 3
LOS ALAMOS NATIONAL LABORATORY
EPA ID#NM0890010515
HWB-LANL-25-050

Dear Robert Gallegos and Jeannette Hyatt:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) *Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 3*, (Report) dated and received on September 9, 2025, and as referenced by EPC-DO-25-248/LA-UR-25-29015.

Soil vapor monitoring was conducted at Technical Area 63 Transuranic Waste Facility on July 30, 2025, for the third quarter of 2025. The Report indicates that vapor concentrations for volatile organic compounds (VOCs) from the five (5) vapor monitoring wells (VMWs), VMW 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 of the VOCs detected. 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 25 feet below ground surface (bgs) with reported results of 5,000 µg/m³ (5.4% of the SGSL) this quarter.

Chloroform is routinely detected in VMW-4 and VMW-5 at both depths, with concentrations

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November 10, 2025

ranging from 100 $\mu\text{g}/\text{m}^3$ to 180 $\mu\text{g}/\text{m}^3$. NMED notes that the maximum detection for chloroform is equal to or less than 0.3% of the SGSL for the third quarter of sampling for 2025. On September 4, 2025, NMED received a notification of a newly detected constituents dioxane[1,4-], ethylbenzene, and styrene in VMW-4, 60-ft port (in vapor monitoring well (VMW-4) at 25 feet (ft) below ground surface (bgs). Dioxane[1,4-] was detected at a concentration of 31 $\mu\text{g}/\text{m}^3$ with a report detection limit of 120 $\mu\text{g}/\text{m}^3$. Ethylbenzene was detected at a concentration of 28 $\mu\text{g}/\text{m}^3$ (<0.1% SGSL) with a report detection limit of 36 $\mu\text{g}/\text{m}^3$. Styrene was detected at a concentration of 47 $\mu\text{g}/\text{m}^3$ (<0.1% SGSL) with a report detection limit of 35 $\mu\text{g}/\text{m}^3$.

Bromodichloromethane was detected in VMW-5 with a reported result of 120 $\mu\text{g}/\text{m}^3$ at 5 ft bgs. While bromodichloromethane is not included as a constituent in Tables 3.14.3.1, 3.14.3.2, and 3.14.3.3, NMED notes that the 2022 NMED Soil Screening Guidance Vapor Intrusion Screening Levels (VISLs) industrial soil gas (sg) cancer risk screening level is currently set to 124 $\mu\text{g}/\text{m}^3$ for bromodichloromethane. Bromodichloromethane should continue to be monitored at VMW-4 and VMW-5.

NMED has reviewed the Report and has no further comments at this time. If you have any questions regarding this letter, please contact Siona Briley at (505) 690-5160.

Sincerely,

JohnDavid Nance

Digitally signed by JohnDavid
Nance
Date: 2025.11.10 11:18:09 -07'00'

JohnDavid Nance
Designated Agency Manager
Chief, Hazardous Waste Bureau

cc: N. Dhawan, NMED HWB
M. Petersen, NMED-HWB
S. Yanicak, NMED DOE-OB
L. King, US EPA Region 6
B. Harcek, EM-LA
R. Gallegos, EM-LA
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Page 3

November 10, 2025

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File: 2025 LANL, TA-63, Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring
System Report, Calendar Year 2025, Quarter3
LANL-25-050

U2501542

From: [Baros, Vanessa, ENV](#)
To: [Gallegos, Robert](#); [Hyatt, Jnette](#)
Cc: [Dhawan, Neelam, ENV](#); [Petersen, Michael, ENV](#); [Yanicak, Steve, ENV](#); [Laurie King](#); [Harcek, Brian George](#); [karen.armijo@em.doe.gov](#); [Moseley, Jessica Lee](#); [Hurtle, Jackie C](#); [Christian T. Maupin](#); [Vigil-Holterman, Luciana R](#); [William Alexander](#); [Martinez, Cynthia, ENV](#); [rcra-permitting@lanl.gov](#); [rcra-prr@lanl.gov](#); [eshq-dcrm@lanl.gov](#); [locatesteam](#); [epc-correspondence@lanl.gov](#); [lasomailbox@nnsa.doe.gov](#); [robert.gallegos@em-la.doe.gov](#)
Subject: [EXTERNAL] HWB-LANL-25-050 - TA-63 Transuranic Waste Facility Soil Vapor Monitoring System Report, CY25, Quarter 3 Ltr
Date: Monday, November 10, 2025 11:50:37 AM
Attachments: [LANL-25-050 Review Letter \(EPC-DO-25-29015\).pdf](#)

Good morning –

Please see attached.

Thank you and have a great day.

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