



MAIL CERTIFIED - RETURN RECEIPT REQUESTED

August 21, 2025

Robert Gallegos, Program Manager
Department of Energy-NNSA
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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 2
LOS ALAMOS NATIONAL LABORATORY
EPA ID#NM0890010515
HWB-LANL-25-034

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 2, (Report) dated and received on June 26, 2025, and as referenced by EWP-25-019/LA-UR-25-25554.

Soil vapor monitoring was conducted at Technical Area 63 Transuranic Waste Facility on April 30, 2025, for the second quarter of 2025. 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 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 60 feet below ground surface (bgs) with reported results of $5,900 \mu\text{g}/\text{m}^3$ (6.4% of the SGSL) this quarter, an increase from the $5,000 \mu\text{g}/\text{m}^3$ (5.54% of the SSGL) from Q1 2025.

Chloroform is routinely detected in VMW-4 and VMW-5 at both depths, with concentrations ranging from $88 \mu\text{g}/\text{m}^3$ to $180 \mu\text{g}/\text{m}^3$. NMED notes that the maximum detection for chloroform is equal to or less than 0.4% of the SGSL for the second quarter of sampling for 2025.

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

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On June 5, NMED received a notification of a newly detected constituent (acetone) in vapor monitoring well (VMW-4) at 25 feet (ft) below ground surface (bgs) at $6.6 \mu\text{g}/\text{m}^3$, below the report detection limit of $21 \mu\text{g}/\text{m}^3$.

Similar to previous sampling in CY2023 and CY2024, bromodichloromethane was detected in VMW-5 with a reported result of $8.7 \mu\text{g}/\text{m}^3$ at 25 ft bgs in the second quarter of calendar year 2025. 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: 2025.08.21 14:22:11 -06'00'

JohnDavid Nance

Designated Agency Manager

Chief, Hazardous Waste Bureau

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File: 2025 LANL TA-63, Review, Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2025, Quarter 2
LANL-25-034

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Subject: [EXTERNAL] Review letter to Robert Gallegos and Jeannette Hyatt
Date: Thursday, August 21, 2025 2:32:21 PM
Attachments: [LANL-25-034 Review Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report Calendar Year 2025 Quarter 2 08.20.2025.pdf](#)

Good afternoon,
Please see attachment.

Cynthia Martinez
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505-476-6000

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