



ESHID-603871

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MAIL CERTIFIED - RETURN RECEIPT REQUESTED

February 19, 2025

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 2024, QUARTER 4, OCTOBER
LOS ALAMOS NATIONAL LABORATORY
EPA ID#NM0890010515
HWB-LANL-25-003

Dear Robert Gallegos and Steven Story:

The New Mexico Environment Department (NMED) has received the United States Department of Energy's (DOE) (the Permittee) *Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 4, October* (Report) dated and received December 18, 2024, and referenced by EPC-DO-24-346/LA-UR-24-32866.

Soil vapor monitoring was conducted at Technical Area 63 Transuranic Waste Facility on October 30, 2024, for the fourth quarter of 2024. 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 5,000 µg/m³ (5.4% of the SGSL) this quarter.

Chloroform is routinely detected in VMW-4 and VMW-5 at both depths, with concentrations ranging from 5.4 to 170 µg/m³. 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 2024.

Similar to previous sampling in CY2023, bromodichloromethane was detected in VMW-4 with a reported result of 11 µg/m³ at 50 ft bgs in Q4 of CY2024. While bromodichloromethane is not included as a

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Robert Gallegos and Steven Story

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constituent in Tables 3.14.3.1, 3.14.3.2, and 3.14.3.3, NMED notes that for bromodichloromethane, the 2022 NMED Soil Screening Guidance Vapor Intrusion Screening Levels (VISLs) industrial soil gas (sg) cancer risk screening level is currently set to 124 $\mu\text{g}/\text{m}^3$. Bromodichloromethane should continue to be monitored at VMW-4.

NMED has reviewed the Report and has no further comments at this time. If you have any questions regarding this letter, please contact Michael Petersen at (505) 690-5107.

Sincerely,

JohnDavid Nance

Digitally signed by JohnDavid
Nance
Date: 2025.02.19 13:58:59 -07'00'

JohnDavid Nance
Designated Agency Manager
Chief, Hazardous Waste Bureau
New Mexico Environment Department

cc: N. Dhawan, NMED HWB
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C. Martinez, NMED HWB
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File: 2025 LANL TA-63, Review, TA-63 Transuranic Waste Facility Soil Vapor Monitoring System
Report, Calendar Year 2024, Quarter 4, October (December 18, 2024)
LANL-25-003

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To: [robert.gallegos](#); [Story, Steven L](#)
Cc: [Nance, JD, ENV](#); [Dhawan, Neelam, ENV](#); [Briley, Siona, ENV](#); [Martinez, Caitlin, ENV](#); [Petersen, Michael, ENV](#); [Yanicak, Steve, ENV](#); [Laurie King](#); [Brian Harcek](#); [Armijo, Karen](#); [Moseley, Jessica Lee](#); [Christian T. Maupin](#); [epc-correspondence@lanl.gov](#); ["lasomailbox@nnsa.doe.gov"](#); [locatesteam](#); [rcra-prr@lanl.gov](#)
Subject: [EXTERNAL] Review letter to Robert Gallegos and Steven Story
Date: Wednesday, February 19, 2025 2:06:11 PM
Attachments: [LANL-24-003 Review Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report Calendar Year 2024 Quarter 4 02.20.2025.pdf](#)

Good afternoon,
Please see attached.

Cynthia Martinez
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