ESHID-603857

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MAIL CERTIFIED - RETURN RECEIPT REQUESTED

October 30, 2024

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.
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RE: REVIEW
TECHNICAL AREA 63 TRANSURANIC WASTE FACILITY SOIL VAPOR MONITORING SYSTEM REPORT, CALENDAR YEAR 2024, QUARTER 3, JULY
LOS ALAMOS NATIONAL LABORATORY
EPA ID#NM0890010515
HWB-LANL-24-050

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 3, July* (Report) dated and received September 25, 2024, and referenced by EPC-DO-24-252/LA-UR-24-29599.

Soil vapor monitoring was conducted at Technical Area 63 Transuranic Waste Facility on July 31, 2024, for the third 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 a reported result of 5,000 µg/m^3, 5.4% of the soil gas screening levels (SGSL), from the 60-ft below ground surface (bgs) sampling port at VMW-4 this quarter.

Chloroform is routinely detected in samples collected from both depths at VMW-4 and VMW-5, with concentrations ranging from 24 to 160 µg/m^3. NMED notes that the maximum detection for chloroform is equal to or less than 0.4% of the SGSL for the third quarter of sampling for 2024.

Similar to previous sampling in CY2023, bromodichloromethane was detected in the 25-ft bgs sampling

port at VMW-5 with a reported result of 6.6 µg/m^3 for the third quater of 2024. 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 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 µg/m^3. Bromodichloromethane should continue to be monitored at 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
Designated Agency Manager
Chief, Hazardous Waste Bureau
New Mexico Environment Department

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File: 2024 LANL, TA-63, Review, TA-63 TWF Soil Vapor Monitoring System Report, Calendar Year 2024, Quarter 3, July
LANL-24-050