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May 19, 2026

Robert Gallegos, Program Manager
Environmental Permitting and Compliance Program
National Nuclear Security Administration
U.S. Department of Energy
Los Alamos Field Office
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Los Alamos, NM 87544

Steven Story, Division Leader
Environmental Protection and Compliance
Triad National Security, LLC
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 2026, QUARTER 1
LOS ALAMOS NATIONAL LABORATORY (LANL)
EPA ID #NM0890010515
HWB-LANL-26-010

Dear Robert Gallegos and Steven Story,

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) National Nuclear Security Administration, Los Alamos Field Office's (NA-LA) and Triad National Security, LLC's (Triad) *Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2026, Quarter 1* (Report), dated and received March 27, 2026, and referenced by EPC-DO-26-058/LA-UR-26-22325.

Background

Field sampling for Calendar Year 2026, Quarter 1, at Technical Area (TA)-63 took place on January 28, 2026. The primary constituent of concern at the site is trichloroethylene (TCE). The report states that volatile organic compound (VOC) concentrations are below action levels listed within Los Alamos National Laboratory's (LANL) Hazardous Waste Facility Permit (Permit) Part 3, Tables 3.14.3.1, 3.14.3.2, and 3.14.3.3, and below soil gas screening levels (SGSLs) as presented within the tables.

TCE continues to exhibit the highest concentrations of all detected VOCs within Vapor Monitoring Well (VMW)-4 and VMW-5, the two wells closest to Material Disposal Area (MDA) C. The highest TCE concentration was detected in VMW-4 at the 60-foot port depth with a result of 5,000 $\mu\text{g}/\text{m}^3$ (5.4% of SGSL).

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NMED has reviewed the Report and has the following comments:

1. **NMED Comment:** NMED notes that this quarter within VMW-1 the detected TCE concentration at the 5-foot port depth was greater than three (3) standard deviations above the mean but remained below the SGSL. DOE and Triad must continue monitoring the TCE concentrations at this well.
2. **NMED Comment:** This quarter, no constituents requiring reporting to NMED's Hazardous Waste Bureau were detected, other than those already listed in the Permit tables above. However, DOE and Triad should continue to monitor for these constituents and others listed in the Permit tables that are infrequently detected.
3. **NMED Comment:** The field duplicate for this quarter, collected at the VMW-5 from the 60-foot port depth, had a non-qualified detection for tetrachloroethylene that was not detected in the regular sample. The field blank also had a non-qualified detection this quarter for dichloroethane[1,1-]. While the detections are less than 0.1% of the SGSLs, DOE and Triad must discuss the field duplicate and field blank in the analytical results of this report and all future submittals. For this report, DOE and Triad may provide this supplemental information with the next submittal, Calendar Year 2026, Quarter 2, reporting of the TA-63 vapor monitoring system report.

Should you have any questions regarding this correspondence, please contact Catherine Lepp at (505) 690-5802.

Sincerely,

JohnDavid Nance

Digitally signed by JohnDavid Nance
Date: 2026.05.19 14:05:19 -06'00'

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

cc: N. Dhawan, NMED HWB
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S. Briley, NMED HWB
S. Yanicak, NMED DOE-OB
L. King, US EPA Region 6
H. Shah, US EPA Region 6
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File: LANL 2026, TA-63, Review, Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Calendar Year 2026, Quarter 1
LANL-26-010

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From: Martinez, Cynthia, ENV <cynthia.martinez1@env.nm.gov>
Sent: Tuesday, May 19, 2026 3:00 PM
To: Gallegos, Robert; Story, Steven L
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Subject: [EXTERNAL] Review letter to Robert Gallegos and Steven Story
Attachments: LANL-26-010_Review_TA 63 Vapor Monitoring CY26 Q1_Draft_KT_CL.pdf
Categories: Makayla

Good afternoon,
Please see attached.

Cynthia Martinez
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