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CABINET SECRETARY

March 2, 2022

Karen Armijo, Manager
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Los Alamos Field Office
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Los Alamos, NM 87544

Jennifer E. Payne, Division Leader
Environmental Protection & Compliance
Triad National Security, L.L.C.
P.O. Box 1663, MS K491
Los Alamos, NM 87545

RE: REVIEW
TECHNICAL AREA 63 (TA-63) TRANSURANIC WASTE FACILITY SOIL VAPOR
MONITORING SYSTEM REPORT, NOVEMBER 2021 (QUARTER 17)
LOS ALAMOS NATIONAL LABORATORY
EPA ID#NM0890010515
HWB-LANL-22-001

Dear Ms. Armijo and Ms. Payne:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) National Nuclear Security Administration, Los Alamos Field Office (NA-LA) and the Triad National Security, LLC (Triad) (collectively the Permittees) *Technical Area 63 (TA-63) Transuranic Waste Facility Soil Vapor Monitoring System Report, November 2021 (Quarter 17)* (Report) dated and received January 3, 2022 and referenced by EPC-DO-21-404 and LA-UR-21-32358.

Soil vapor monitoring was conducted at Technical Area 63 Transuranic Waste Facility on November 3, 2021, for the seventeenth quarter of monitoring. The Report indicates that vapor concentrations for volatile organic compounds (VOCs) from the five 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.

On December 16, 2021, NMED received a *15-day Notification of newly Detected Constituent in Vapor Monitoring Well, Technical Area 63, Transuranic Waste Facility* (Notification), referenced by EPC-DO-21-394/LA-UR-21-31970. In this Notification, the Permittees stated that results received from the analytical laboratory on Dec. 3, 2021 indicated that xylene[1,3-]+xylene[1,4-] (m-xylene and p-xylene) was detected at 10 µg/m³ at the five-foot sampling port vapor monitoring well VMW-1 at (63-2009). This is the first instance when xylene had been detected at this location and depth. The detected concentrations of xylene[1,3-]+xylene[1,4-] at this

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location were well below the SGSLs values of $1.01 \times 10^6 \mu\text{g}/\text{m}^3$ and $9.77 \times 10^5 \mu\text{g}/\text{m}^3$, respectively, in Table 3.14.3.1 of the Permit.

The Permittees have met the requirements of Permit Section 3.14.3. and have notified the NMED in writing within fifteen (15) days after the review of the analytical data (December 3, 2021).

On December 21, 2021, NMED met with the Permittees and agreed with the Permittees to monitor for xylene[1,3-] and xylene[1,4-] at the five-foot sampling port at location VWM-1 (63-009) in future sampling events. If the results of the next sampling event confirm presence of these chemicals at this location, then the Permittees must schedule a meeting with NMED to decide on path forward.

If you have any questions regarding this letter, please contact Mitchell Schatz (505) 690-5910.

Sincerely,

Rick Shean

Digitally signed by
Rick Shean
Date: 2022.03.02
12:45:48 -07'00'

Rick Shean
Bureau Chief
Hazardous Waste Bureau

cc: N. Dhawan, NMED HWB
M. Schatz, NMED HWB
M. Petersen, NMED HWB
S. Yanicak, NMED DOE OB
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LANL-22-001

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To: [Armijo, Karen](#); [Payne, Jen](#)
Cc: [Shean, Rick, NMENV](#); [Dhawan, Neelam, NMENV](#); [Schatz, Mitchell, NMENV](#); [Petersen, Michael, NMENV](#); [Yanicak, Steve, NMENV](#); [Laurie King](#); [Rogers, Kim A.](#); [Story-Hughes, Sandra Dee](#); [Duran, Arturo O.](#); [Padilla, Patrick L](#); epc-correspondence@lanl.gov; ["lasomailbox@nnsa.doe.gov"](mailto:lasomailbox@nnsa.doe.gov); [locatesteam](#); rcra-prr@lanl.gov
Subject: [EXTERNAL] Letter Karen Armijo and Jennifer Payne
Date: Wednesday, March 2, 2022 12:59:23 PM
Attachments: [Review TA 63 SVE Monitoring Report Q17 March 2022.pdf](#)

Good Afternoon,
Please see attachment.

Cynthia Martinez
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