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August 29, 2022

ESHID-603718

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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, TRANSURANIC WASTE FACILITY, SOIL VAPOR MONITORING**  
**SYSTEM REPORT, MAY 2022 (QUARTER 19)**  
**LOS ALAMOS NATIONAL LABORATORY**  
**EPA ID#NM0890010515**  
**HWB-LANL-22-041**

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, Transuranic Waste Facility, Soil Vapor Monitoring System Report, May 2022 (Quarter 19)* (Report) dated and received July 5, 2022 and referenced by EPC-DO-22-169/LA-UR-22-25789.

Soil vapor monitoring was conducted at Technical Area 63 Transuranic Waste Facility on May 4, 2022, for the nineteenth 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 sample results received from the analytical laboratory on December 3, 2021, indicated that xylene[1,3-]+xylene[1,4-] (m-xylene and p-xylene) was detected at 10  $\mu\text{g}/\text{m}^3$  at the five-foot sampling port vapor monitoring well VMW-1 at (63-2009).

On December 21, 2021, NMED met with the Permittees and agreed with DOE to monitor for xylene[1,3-] and xylene[1,4-] at the five-foot sampling port at location VWM-1 (63-009) in

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future sampling events. The Permittees report that Quarter 18 and Quarter 19 sampling events did not indicate the presence of the forementioned xylene isomers. This lack of detection does not necessarily rule out the presence of xylene isomers due to site contamination, and the DOE must continue to monitor for the xylene isomers during future sampling events.

NMED has reviewed the Report and has no further comments at this time. If you have any questions regarding this letter, please contact Mitchell Schatz (505) 690-5910.

Sincerely,

**Rick Shean**

Digitally signed by Rick  
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Rick Shean  
Bureau Chief  
Hazardous Waste Bureau

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