



Los Alamos National Laboratory
P.O. Box 1663, MS 969
Los Alamos, NM 87545
505-667-2211

Environmental Protection and Compliance Division

Symbol: EPC-DO-26-188

Date: August 10, 2026

LA-UR-26-26977

Mr. JohnDavid Nance, Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6313

Subject: 15-Day Notification of Newly Detected Constituents in Vapor Monitoring Well, Technical Area 63, Transuranic Waste Facility

Dear Mr. Nance:

Triad National Security, LLC (Triad) on behalf of the U.S. Department of Energy, National Nuclear Security Administration, Los Alamos Field Office, provides the New Mexico Environment Department-Hazardous Waste Bureau (NMED-HWB) a 15-day notification of newly detected constituents in vapor monitoring wells at Technical Area 63 (TA-63), Transuranic Waste Facility (TWF). This is a requirement of the Los Alamos National Laboratory (LANL) Hazardous Waste Facility Permit (EPA ID# NM0890010515) (Permit), Part 3, Section 3.14.3. Sampling for the second quarter of calendar year 2026 occurred June 29, 2026, and sample analytical results were received July 29, 2026.

Enclosure, Table 1 lists the Permit required information regarding date of the sampling event, the well designation, the location of the well, any known issues with sample quality, and the specific category for which the data is reported under Permit Section 3.14.3. The newly detected constituents and their sampling results are listed in the Enclosure, Table 2.

The newly detected constituents include styrene in VMW-1 and styrene and ethylbenzene in VMW-4, 25-foot port. Soil gas screening levels for VMW-1 are provided in Permit Part 3, Table 3.14.3.1, *Current Soil Gas Screening Levels for Selected VOCs at sampling ports located 5 feet below ground surface*. Soil gas screening levels for VMW-4, 25-ft port are provided in Permit Part 3, Table 3.14.3.2, *Current Soil Gas Screening Levels for Selected VOCs at sampling ports located 25 feet below ground surface*. The analytical results for the new detections of styrene and ethylbenzene are well below these soil gas screening levels. The field blank indicates the presence of butanone[2-], also known as methyl ethyl ketone (MEK), which is not included as a constituent of concern in the Permit.

The detection in the field blank will be discussed further in the 2026, Quarter 2 vapor monitoring report that includes a discussion about sample tubing. The next monitoring report is due to the NMED-HWB no later than August 28, 2026. The information presented in this notification will be included in the full report. Triad will continue to sample and track the presence of styrene and ethylbenzene in the subsurface through continued vapor monitoring and reporting. The next vapor sampling event is scheduled for August 12, 2026.

If you have any questions or comments concerning this notification, please contact Naveen Chennubhotla, Triad, at (505) 629-7401, or by email at naveenc@lanl.gov.

Sincerely,

**Christopher
Gamache**

 Digitally signed by Christopher
Gamache
Date: 2026.08.10 14:07:16
-06'00'

Christopher D. Gamache
Division Leader
Environmental Protection and Compliance
Triad National Security, LLC

CDG:klv

Enclosure: 15-Day Notification of Newly Detected Constituents in Vapor Monitoring Well, Technical Area 63, Transuranic Waste Facility

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ENCLOSURE

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U.S. Department of Energy,
National Nuclear Security Administration Los Alamos Field Office, and
Triad National Security, LLC

Table 1. Additional Constituents Detected in TA-63 Transuranic Waste Facility Soil Vapor Monitoring Well

Category for which the data is reported under Section 3.14.3	Section 3.14.3 (1) Detection of a contaminant in a vapor monitoring well if that contaminant has not previously been detected in the well.
Date of Sampling Event	June 29, 2026
Well Locations	TA-63 Transuranic Waste Facility Structure Number 63-2009 Northing: 1768255.187 Easting: 1627195.988 TA-63 Transuranic Waste Facility Structure Number 63-2012 Northing: 1768331.953 Easting: 1626817.118
Known Issues with Sample Quality	Potential sample tube contamination

Table 2. Soil Vapor Monitoring Well Analytical Data and Soil Gas Screening Level Comparison

Location ID	Field Sample ID	Port Depth (feet)	Sample Purpose	Parameter Code	Parameter Name	Parameter Listing in Permit	Report Result (µg/m3)	Validation Qualifier	Report Method Detection Limit (µg/m3)	Report Detection Limit (µg/m3)	Soil Gas Screening Limit (µg/m3)	% Soil Gas Screening Limit	Northing	Easting	Field Sample Result Record #
63-2009	TWF63-26-402214	5	REG	100-42-5	Styrene	Styrene	24	J	12	34	1.00E+07	<0.1	1768255.187	1627195.988	18949954
63-2012	TWF63-26-402241	25	REG	100-41-4	Ethylbenzene	Ethylbenzene	13	J	12	35	2.66E+05	N/A	1768331.953	1626817.118	18950109
63-2012	TWF63-26-402241	25	REG	100-42-5	Styrene	Styrene	40	NQ	11	34	2.49E+07	<0.1	1768331.953	1626817.118	18950110
N/A	TWF63-26-402260	N/A	FB	78-93-3	Butanone[2-]	N/A	38	J	30	91	N/A	N/A	N/A	N/A	18950432

Notes: Validation Qualifier "J" indicates an estimated sample result.

"NQ" indicates no validation qualifier flag is associated with the result.

REG = regular sample

FB = field blank sample