



ESHID-603097

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Date: JUN 21 2018
Symbol: EPC-DO: 18-234
LA-UR: LA-UR-18-25190
Locates Action No.: U1800720

Mr. John E. Kieling
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodco Park Drive East, Building 1
Santa Fe, NM 87505

Subject: Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 2 Correction, Los Alamos National Laboratory EPA ID #NM0890010515

Dear Mr. Kieling:

The U.S. Department of Energy (DOE) and the Los Alamos National Security, LLC (LANS) (collectively the Permittees), are submitting this document to the New Mexico Environment Department Hazardous Waste Bureau (NMED-HWB) in reply to the letter "*Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 2, Los Alamos National Laboratory EPA ID#NM0890010515, HWB-LANL-18-016,*" from NMED-HWB dated May 23, 2018. This submittal addresses the comments in that letter and provides corrections for Table 1 of the "*Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 2,*" referenced as EPC-DO-18-139 and submitted to NMED-HWB on March 30, 2018.

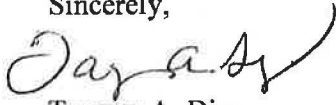
The enclosure to this report includes a revised replacement "Table 1: Detected volatile organic compounds at TA-63 Transuranic Waste Facility Soil Vapor Monitoring System– Quarter 2" incorporating the comments in the letter from NMED-HWB regarding the correct soil gas screening levels and well notation. A compact disc with electronic copies of this submittal and the revised Table is included with this submittal. As also commented upon in the May 23, 2018 letter from NMED-HWB, the Permittees will include an additional table showing the current and previous quarter soil gas screening level results at the facility for tracking purposes in future quarterly report submittals for this subject.

Mr. John E. Kieling
EPC-DO: 18-234

-2-


If you have questions or comments concerning this submittal, please contact Karen E. Armijo of the DOE at (505) 665-7314 or Patrick L. Padilla, LANS, at (505) 667-3932.

Sincerely,



Tammy A. Diaz
Acting Group Leader

Sincerely,



Karen E. Armijo
Permitting and Compliance Program Manager

TAD/KEA/PLP/GAB:kr

Enclosure: 1) Replacement: "Table 1: Detected volatile organic compounds at TA-63 Transuranic Waste Facility Soil Vapor Monitoring System- Quarter 2"

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ENCLOSURE 1

**Replacement: “Table 1: Detected
volatile organic compounds at TA-63
Transuranic Waste Facility Soil Vapor
Monitoring System – Quarter 2”**

EPC-DO: 18-234

LA-UR-18-25190

Date: JUN 21 2018

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Document: TA-63 TWF SVM Report – Quarter 2 Corrected

Date: June 2018

Replacement Table 1 Detected volatile organic compounds
at TA-63 Transuranic Waste Facility – Quarter 2

Revises

*Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 2, Los
Alamos National Laboratory EPA ID #NM0890010515*

Submitted to the New Mexico Environment Department-Hazardous Waste Bureau
on March 30, 2018

Document: TA-63 TWF SVM Report – Quarter 2 Corrected
Date: June, 2018

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Table 1: Detected volatile organic compounds
at TA-63 Transuranic Waste Facility Soil Vapor Monitoring System– Quarter 2

Well	Sample ID	Sample Port Depth (ft)	Analyte/Constituent	Listing in Permit Tables	Result (ug/m3)	EPA Data Qualifier	Report Detection Limit (ug/m3)	Soil-Gas Screening Level (ug/m3)	Percentage Of SGSL (%)
VMW-1 63-2009	MD54-18- 150792	5	Trichloroethene	Trichloroethylene	31.1	J	49.4	1.94E+4	0.2
VMW-2 63-2010	MD54-18- 150784	5	Trichloroethene	Trichloroethylene	80.6		46.7	1.94E+4	0.4
VMW-3 63-2011	MD54-18- 150785	5	Trichloroethene	Trichloroethylene	64.4		50.5	1.94E+4	0.3
VMW-4 63-2012	MD54-18- 150786	25	Tetrachloroethene	Tetrachloroethylene	34.6	J	59.0	2.63E+6	<0.1
			Carbon tetrachloride	Carbon tetrachloride	35.2	J	54.7	1.06E+5	<0.1
			Chloroform	Chloroform	87.8		42.5	2.30E+4	0.4
			Dichlorodifluoromethane	Dichlorodifluoromethane	74.1		43.0	2.61E+6	<0.1
			Trichloro-1,2,2- trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2- trifluoroethane	13.0	J	66.6	6.86E+8	<0.1
			Trichloroethene	Trichloroethylene	2793		46.7	1.57E+5	1.8
VMW-4 63-2012	MD54-18- 150787	60	Tetrachloroethene	Tetrachloroethylene	74.6		66.4	2.05E+6	<0.1
			Dichloroethene[cis-1,2-]	Cis-1,2-Dichloroethylene	23.8	J	38.8	2.91E+6	<0.1
			Carbon tetrachloride	Carbon tetrachloride	88.0		61.6	2.13E+5	<0.1
			Chloroform	Chloroform	200		47.8	4.44E+4	0.5
			Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	14.2	J	53.4	2.34E+8	<0.1
			Dichlorodifluoromethane	Dichlorodifluoromethane	158		48.4	5.38E+6	<0.1
			Trichloro-1,2,2- trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2- trifluoroethane	28.3	J	75.0	1.38E+9	<0.1
			Trichloroethene	Trichloroethylene	6982		52.6	9.27E+4	7.5
VMW-5 63-2013	MDA54- 18-150788	25	Chloroform	Chloroform	19.0	J	45.9	2.30E+4	<0.1
			Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	19.6	J	51.3	1.16E+8	<0.1
			Dichlorodifluoromethane	Dichlorodifluoromethane	42.0	J	46.5	2.61E+6	<0.1
			Trichloroethene	Trichloroethylene	258		50.5	1.57E+5	0.2
VMW-5 63-2013	MDA54- 18-150789	60	Tetrachloroethene	Tetrachloroethylene	12.9	J	63.7	2.05E+6	<0.1
			Chloroform	Chloroform	18.1	J	45.9	4.44E+4	<0.1
			Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	47.4	J	51.3	2.34E+8	<0.1

Table 1: Detected volatile organic compounds
at TA-63 Transuranic Waste Facility Soil Vapor Monitoring System– Quarter 2

Well	Sample ID	Sample Port Depth (ft)	Analyte/Constituent	Listing in Permit Tables	Result (ug/m3)	EPA Data Qualifier	Report Detection Limit (ug/m3)	Soil-Gas Screening Level (ug/m3)	Percentage Of SGSL (%)
			Dichlorodifluoromethane	Dichlorodifluoromethane	84.0		46.5	5.38E+6	<0.1
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	J	72.0	1.38E+9	<0.1
			Trichloroethene	Trichloroethylene	1343		50.5	9.27E+4	1.4
VMW-3 63-2011	MDA54-18-150790 Field Duplicate	5	Trichloroethene	Trichloroethylene	45.6	J	47.3	1.94E+4	0.2
VMW-5 63-2013	MDA54-18-148591 Field Blank		ND						

EPA Data Qualifier "J" indicates analytes that are detected but results are estimated as less than the report detection limit.
"ND" indicates no VOCs of concern detected

Document: TA-63 TWF SVM Report – Quarter 2 Corrected
Date: June, 2018

CERTIFICATION

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CERTIFICATION

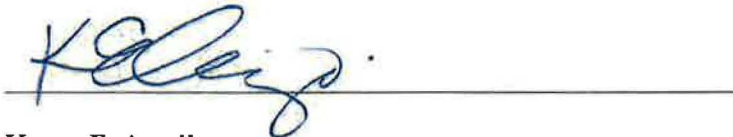
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Tammy A. Diaz
Group Leader (Acting)
Waste Management Programs Group
Environmental Protection and Compliance Division
Los Alamos National Laboratory



Date Signed



Karen E. Armijo
Permitting and Compliance Program Manager
Los Alamos Site Office
National Nuclear Security Administration
U.S. Department of Energy



Date Signed