



Environmental Protection & Compliance

Los Alamos National Laboratory

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Los Alamos, New Mexico 87545

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Date: **APR 18 2018**

Symbol: EPC-DO: 18-173

LA-UR: 18-23280

Locates Action No.: N/A

Mr. Ralph Gruebel
Manager, Compliance and Enforcement Section
New Mexico Environment Department
Air Quality Bureau
525 Camino de los Marquez, Suite 1
Santa Fe, NM 87505-1816

Subject: IDEA ID 856 – Los Alamos National Laboratory 2018 First Quarter Beryllium Emissions Report January 1–March 31, 2018, Air Quality Permit No. 634-M2

Dear Mr. Gruebel:

Attached is a copy of the sampling data for the **first quarter of calendar year 2018**. The attached emissions data were obtained from the continuous air monitor installed on the main exhaust stack at the Beryllium Technology Facility (BTF) at Los Alamos National Laboratory (LANL). This submission of the quarterly emissions data, collected from this source, is required by permit condition 5.f of the New Mexico Environment Department (NMED) New Source Review (NSR) Air Quality Permit #634-M2 dated October 30, 1998. This quarterly report is transmitted within the allowed 60 days after the end of the calendar quarter, as specified in NSR permit and incorporated in Title V permit P100-R2M1.

Air Quality Permit #634-M2 condition #2 requires that the beryllium stack emissions from the BTF shall not exceed 0.35 grams in a 24-hour time period and shall not exceed 3.5 grams per year. For this reporting period, the current quarterly data and the total emissions for calendar year 2018 were obtained from the attached data sheet and summarized in the following table.

.Reporting Period	Description of Data	Beryllium Emission Rate	NSR 634-M2/ Title V P100-R2M1 Permit Limit
2018Q1	Highest daily emission rate	1.75×10^{-5} gm/24 hours	0.35 gm/ 24 hours
2018Q1	Total amount for 2018Q1	1.59×10^{-3} gm	3.5 gm/year
2018	Total amount for 2018	1.59×10^{-3} gm	3.5 gm/year

Based on the above summary table and Enclosure 1 datasheet, the beryllium emissions are well below the permit limit and LANL is in compliance with condition #2 of NMED Air Quality Permit #634-M2. If you have questions or comments regarding this submittal or would like to discuss this in greater detail, please feel free to contact Steven L. Story at (505) 665-2169 or Vince Carretti at (505) 665-1658.

Sincerely,



for Taunia S. Van Valkenburg
Group Leader

TSV/SLS/VC: eim

Enclosure(s): 1) Beryllium 2018Q1 Stack Emissions

Copy: Adrienne L. Nash, NA-LA, (E-File)
Richard M. Kacich, DIR, (E-File)
Craig S. Leasure, PADOPS, (E-File)
William R. Mairson, ADESH, (E-File)
Benjamin B. Roberts, EPC-DO, (E-File)
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Terry A. Morrison, STO-DO, (E-File)
Matt Martinez, PF-WFS, (E-File)
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Marc R. Gallegos, DESHF-STO, (E-File)
Timothy A. Dolan, LC-ESH, (E-File)
Steven L. Story, EPC-CP, (E-File)
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EPC-CP Beryllium Permit #634-M2 Quarterly Report File
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Air Quality Bureau
Compliance and Enforcement Section
525 Camino de los Marquez, Suite 1
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Version 06.17.15

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TEMPO	

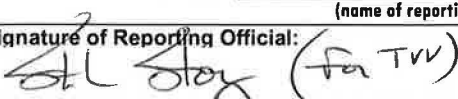
REPORTING SUBMITTAL FORM

NMED USE ONLY	
Staff	
Admin	

PLEASE NOTE: ® - Indicates required field

SECTION I - GENERAL COMPANY AND FACILITY INFORMATION					
A. ® Company Name: Los Alamos National Security, LLC			D. ® Facility Name: Los Alamos National Laboratory		
B.1 ® Company Address: P.O Box 1663 MS K490			E.1 ® Facility Address: Same as Company		
B.2 ® City: Los Alamos	B.3 ® State: NM	B.4 ® Zip: 8 7 5 4 5	E.2 ® City:	E.3 ® State:	E.4 ® Zip:
C.1 ® Company Environmental Contact: Tania S. Van Valkenburg		C.2 ® Title: Group Leader, EPC-CP		F.1 ® Facility Contact: Steven L. Story	
C.3 ® Phone Number: (505) 665-9827		C.4 ® Fax Number: (505) 665-8858		F.2 ® Title: Team Leader, Air Quality Compliance	
C.5 ® Email Address: tauniav@lanl.gov			F.3 ® Phone Number: (505) 665-2169		
G. Responsible Official: (Title V only): William Mairson			H. Title: Associate Director, ADESH		F.4 ® Fax Number: (505) 665-8858
I. Phone Number: (505) 667-4218		J. Fax Number: (505) 665-3811			
K. ® AI Number: 856	L. Title V Permit Number: P100-R2M1	M. Title V Permit Issue Date: 02/03/2017	N. NSR Permit Number: 634-M2	O. NSR Permit Issue Date: 10/30/1998	
P. Reporting Period: From: January 1, 2018 To: March 31, 2018					

SECTION II - TYPE OF SUBMITTAL (check one that applies)				
<input type="checkbox"/>	Title V Annual Compliance Certification	Permit Condition(s):	Description:	
<input type="checkbox"/>	Title V Semi-annual Monitoring Report	Permit Condition(s):	Description:	
<input type="checkbox"/>	NSPS Requirement (40CFR60)	Regulation:	Section(s):	Description:
<input type="checkbox"/>	MACT Requirement (40CFR63)	Regulation:	Section(s):	Description:
<input type="checkbox"/>	NMAC Requirement (20.2.xx) or NESHAP Requirement (40CFR61)	Regulation:	Section(s):	Description:
<input checked="" type="checkbox"/>	Permit or Notice of Intent (NOI) Requirement	Permit No. <input checked="" type="checkbox"/> or NOI No. <input type="checkbox"/> 634-M2	Condition(s): 5.f	Description: 2018Q1 Report containing beryllium emissions data from the continuous air monitor of the exhaust stack, due within 60 days after calendar quarter.
<input type="checkbox"/>	Requirement of an Enforcement Action	NOV No. <input type="checkbox"/> or SFO No. <input type="checkbox"/> or CD No. <input type="checkbox"/> or Other <input type="checkbox"/>	Section(s):	Description:

SECTION III - CERTIFICATION			
After reasonable inquiry, I <u>Taunia S. Van Valkenburg</u> certify that the information in this submittal is true, accurate and complete. (name of reporting official)			
® Signature of Reporting Official: 	® Title: Group Leader, EPC-CP	® Date: 4/17/18	® Responsible Official for Title V? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Reviewed By: _____

Date Reviewed: _____

ENCLOSURE 1

Beryllium 2018 Stack Emissions

EPC-DO: 18-173

LA-UR-18-23280

Date: APR 18 2018

**Los Alamos National Laboratory
TA-03-0141 Beryllium 2018 Stack Emissions**

TA-03-0141 StackID: 03014101

Sampling dates			Emissions (g)	
			Weekly(1)	Daily(2)
			<i>Sum of weekly results must be <3.5 g/year</i>	<i>Cannot Exceed 0.35 g/day</i>
Period #: 1				
12/21/2017	-	01/04/2018	< 1.22E-04	< 8.73E-06
01/04/2018	-	01/11/2018	< 1.22E-04	< 1.75E-05
01/11/2018	-	01/18/2018	< 1.22E-04	< 1.75E-05
01/18/2018	-	01/25/2018	< 1.22E-04	< 1.75E-05
01/25/2018	-	02/01/2018	< 1.22E-04	< 1.74E-05
			Period 1 Sum: 6.10E-04	
Period #: 2				
02/01/2018	-	02/08/2018	< 1.22E-04	< 1.75E-05
02/08/2018	-	02/15/2018	< 1.22E-04	< 1.75E-05
02/15/2018	-	02/22/2018	< 1.22E-04	< 1.74E-05
02/22/2018	-	03/01/2018	< 1.22E-04	< 1.75E-05
			Period 2 Sum: < 4.88E-04	
Period #: 3				
03/01/2018	-	03/08/2018	< 1.22E-04	< 1.75E-05
03/08/2018	-	03/15/2018	< 1.22E-04	< 1.75E-05
03/15/2018	-	03/22/2018	< 1.22E-04	< 1.75E-05
03/22/2018	-	03/29/2018	< 1.22E-04	< 1.75E-05
			Period 3 Sum: < 4.88E-04	
			1st Quarter Total: 1.59E-03 ^aHDER 1.75E-05	

^a HDER = Highest Daily Emission Rate