

LA-UR-19-24148

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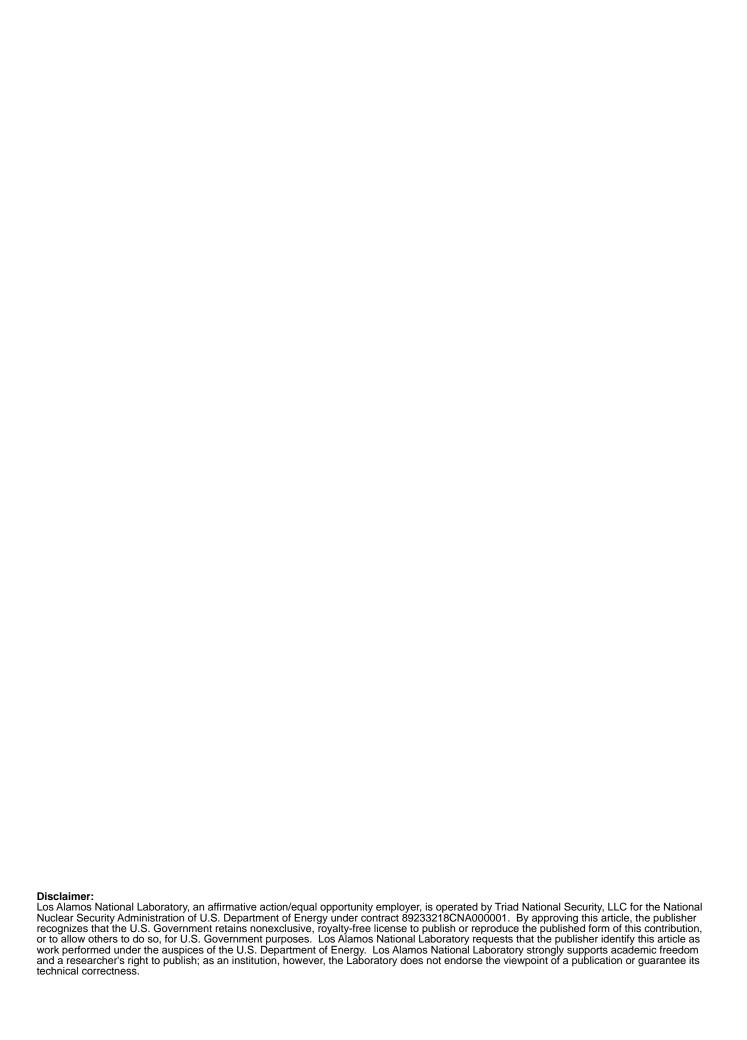
IDEA ID 856 – Los Alamos National Laboratory 2019 First Quarter Beryllium Emissions Report January 1–March 31, 2019, Air Quality Title:

Permit No. 634-M2

Author(s): Carretti, Vincent Anthony

Environmental Regulatory Document Intended for:

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Environment, Safety, Health, Quality, Safeguards, and Security Directorate Los Alamos National Laboratory PO Box 1663, K490 Los Alamos, NM 87545 505-667-0666

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LAUR: 19-24148

Locates Action No. N/A

Date: MAY 0 7 2019

Ms. Kristina Sullivan Compliance Reporting Manager 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 2019 First Quarter Beryllium Emissions Report January 1–March 31, 2019, Air Quality Permit No. 634-M2

Dear Ms. Sullivan:

Attached is a copy of the sampling data for the **first quarter of calendar year 2019.** 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-R2M3.

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 2019 were obtained from the attached data sheet and summarized in the following table.

Reporting Description of Data Period		Beryllium Emission Rate	NSR 634-M2/Title V P100-R2M3 Permit Limit		
2019Q1	Highest daily emission rate	1.76 x 10 ⁻⁵ gm/24 hours	0.35 gm/ 24 hours		
2019Q1	Total amount for 2019Q1	1.83 x 10 ⁻³ gm	N/A		
2019Q1	Total amount for 2019	1.83 x 10 ⁻³ gm	3.5 gm/year		



Based on the above summary table and Attachment 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 Marjorie B. Stockton at (505) 665-3289 or Vince Carretti at (505) 665-1658.

Sincerely,

Taunia Van Valkenburg

Group Leader

TSV/MBS/VAC:jdm

Attachment(s): Attachment 1 Beryllium 2019 Stack Emissions

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EPC-CP Beryllium Permit #634-M2 Quarterly Report File

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Reviewed By: _

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



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	ompany Environmental Contact: S. Van Valkenburg		C.2 ® Title: Group Leader, EPC-CP			F.1 ® Facility Contact: Marjorie B. Stockton			F.2 ® Title: Acting Air Quality Compliance Team Leader				
C.3 ® P (505) 66	Phone Number: 65-9827	C.4 ® Fax Numb (505) 665-8858	oer:	F.3 ® Phone Number: (505) 665-3289					F.4 ® Fax Number: NA				
	Email Address: @lanl.gov					F.5 ® Email Address: mstockton@lanl.gov							
G. Resp	onsible Official: (Title V only):	H. Title:				I. Phone N	lumber:			ax Num	ber:		
	Goodrum I Number: L. Title V	Manager Permit Number:	M. Ti	itle V Pe	rmit Is	(505) 667- sue Date:	N. NSR Permit	: Number:	NA	O. NSR	l Permit	Issue Date:	
856	P100-R2	M3		7/2018			634-M2	1 1		10/30/1		a .	
From:	orting Period: January 1, 2019 To	: March 31, 2019											
	submit NSPS OOOO or OOO compliance-and-enforcement/		lowbac	k notifi	cations	s to the Air Q	uality Bureau, See	https://www	v.env.nr	n.gov/air	-quality/ne	otices-and-	
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	Title V Annual Compliance	T- 11 - 1111			riptio								
A .	Certification												
B. Title V Semi-Annual Monitoring Report		Permit Condition	(s):	Description:			1.						
C. NSPS Requirement (40CFR60)		Regulation: Secti		Section(s):		Description	Description:						
D. 🗆	MACT Requirement (40CFR63) Regulation: Section		ion(s)	:	Description:								
E. 🗌	NMAC Requirement (20.2.xx) or NESHAP Requirement (40CFR61)		ion(s)	: Description:									
	Donnik on Notice of Leteral	Permit No.⊠: or NO	l No.□	: Cond	dition	(s):	Description						
F. 🛚	Permit or Notice of Intent (NOI) Requirement	634-M2		5.f			continuous days after c	air monitor	of the			data from the e within 60	
	Requirement of an	NOV No. □: or SFO		Secti	ion(s)	:	Description	1:					
G. 🗌	Enforcement Action	or CD No. □: or Oth	ner ∐:										
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SECT	ION III - CERTIFICATI	ON											
After r	easonable inquiry, I	Taunia S. Van Valke			cert	ify that the	information in t	his submit	ttal is t	rue, acc	urate an	d complete.	
® Sign	ature of Certifier	0 01 0	•		® Ti	tle:		® Date	1	® Res	sponsible O	fficial for Title V?	
X-X	town		>		Grou	up Leader, i	EPC-CP	5/7	120	al [Yes	⊠ No	

Date Reviewed:

ATTACHMENT 1

Beryllium 2019 Stack Emissions

ESHQSS: 19-028

LA-UR-19-24148

Date: MAY 0 7 2019

Los Alamos National Laboratory TA-03-0141 Beryllium 2019 Stack Emissions

<u>TA-03-0141</u> <u>StackID:</u> <u>03014101</u>

Sampling dates				Emissions (g)				
			Weekly(1)	Daily(2)				
			Sum of weekly results must be <3.5 g/year	Cannot Exceed 0.3 g/day				
	Period #:	1						
12/20/2018	-	01/10/2019	< 3.67E-04	< 1.75E-05				
01/10/2019	-	01/17/2019	< 1.22E-04	< 1.75E-05				
01/17/2019	-	01/24/2019	< 1.22E-04	< 1.75E-05				
01/24/2019	-	01/31/2019	< 1.22E-04	< 1.75E-05				
			Period 1 Sum: < 7.33E-04					
	Period #:	2						
01/31/2019	-	02/07/2019	< 1.22E-04	< 1.75E-05				
02/07/2019	-	02/14/2019	< 1.22E-04	< 1.74E-05				
02/14/2019	-	02/21/2019	< 1.22E-04	< 1.76E-05				
)2/21/2019	-	02/28/2019	< 1.22E-04	< 1.75E-05				
			Period 2 Sum: < 4.88E-04					
	Period #:	3						
02/28/2019	-	03/07/2019	< 1.22E-04	< 1.75E-05				
03/07/2019	-	03/14/2019	< 1.22E-04	< 1.75E-05				
03/14/2019	-	03/21/2019	< 1.22E-04	< 1.75E-05				
03/21/2019	-	03/28/2019	< 1.22E-04	< 1.74E-05				
03/28/2019	-	04/04/2019	< 1.22E-04	< 1.74E-05				
			Period 3 Sum: < 6.10E-04					
			1st Quarter Total: 1.83E-03	^a HDER 1.76E-05				

^a HDER = Highest Daily Emission Rate