

LA-UR-17-23240

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Air Quality Bureau
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Version 05.02.13

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REPORTING SUBMITTAL FORM

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SECTION I - GENERAL COMPANY AND FACILITY INFORMATION					
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B.2 ® City: Los Alamos		B.3 ® State: NM	B.4 ® Zip: 87545	E.2 ® City:	
E.3 ® State:		E.4 ® Zip:			
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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, 2017 To: March 31, 2017					

SECTION II - TYPE OF SUBMITTAL (check one that applies)				
A. <input type="checkbox"/>	Title V Annual Compliance Certification	Permit Condition(s):	Description:	
B. <input type="checkbox"/>	Title V Semi-annual Monitoring Report	Permit Condition(s):	Description:	
C. <input type="checkbox"/>	NSPS Requirement (40CFR60)	Regulation:	Section(s):	Description:
D. <input type="checkbox"/>	MACT Requirement (40CFR63)	Regulation:	Section(s):	Description:
E. <input type="checkbox"/>	NMAC Requirement (20.2.xx) or NESHAP Requirement (40CFR61)	Regulation:	Section(s):	Description:
F. <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: 2017Q1 Report containing beryllium emissions data from the continuous air monitor of the exhaust stack, due within 60 days after calendar quarter.
G. <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 IV - CERTIFICATION			
After reasonable inquiry, I <u>Anthony R. Grieggs</u> certify that the information in this submittal is true, accurate and complete. (name of reporting official)			
® Signature of Reporting Official: <i>SKL Story (fa AG)</i>	® Title: Group Leader, EPC-CP	® Date: 4/24/17	® Responsible Official for Title V? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Reviewed By: _____

Date Reviewed: _____

Environmental Protection & Compliance Division (EPC-DO)

Los Alamos National Laboratory

PO Box 1663, K490

Los Alamos, New Mexico 87545

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Date: **APR 24 2017**
 Symbol: EPC-DO: 17-167
 LA-UR: 17-23240
 Locates Action No.: N/A

Mr. Ralph Grubel
 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 2017 First Quarter Beryllium Emissions Report January 1–March 31, 2017, Air Quality Permit No. 634-M2

Dear Mr. Grubel:

Attached is a copy of the beryllium sampling data for the **first quarter of calendar year 2017**. 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) 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 the permit.

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 2017 are summarized below.

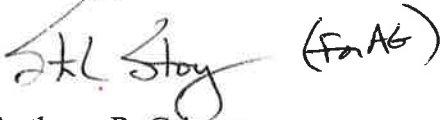
Reporting Period	Description of Data	Beryllium Emission Rate	NSR 634-M2/ Title V P100R2M1 Permit Limit
2017Q1	Highest daily emission rate	1.28E-04 gm	0.35 gm/ 24 hours
2017Q1	Total amount for 2017Q1	2.48E-03 gm	3.5 gm/year
2017	Total amount for 2017	2.48E-03 gm	3.5 gm/year

APR 24 2017

Based on the above summary 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 Brinda Ramanathan at (505) 665-8879.

Sincerely,



Anthony R. Grieggs
Group Leader

ARG/SLS/BR: am

Enclosure: 1. Beryllium 2017 Stack Emissions

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ENCLOSURE 1

Beryllium 2017 Stack Emissions

EPC-DO: 17-167

LA-UR-17-23240

Date: APR 24 2017

**Los Alamos National Laboratory
TA-03-0141 Beryllium 2017 Stack Emissions**

TA-03-0141 StackID: 03014101

Sampling dates

Sampling dates		Weekly(1)	Emissions (g)	Daily(2)
Period #: 1				
12/22/2016	-	01/05/2016	< 1.22E-04	< 8.74E-06
01/05/2017	-	01/12/2017	< 1.22E-04	< 1.73E-05
01/12/2017	-	01/19/2017	< 1.22E-04	< 1.76E-05
01/19/2017	-	01/26/2017	1.36E-04	1.91E-05
01/26/2017	-	02/02/2017	8.83E-04	1.28E-04
Period 1 Sum: 1.39E-03				
Period 2 Sum: < 4.88E-04				
Period 3 Sum: < 6.10E-04				
1st Quarter Total: 2.48E-03				
^aHDER 1.28E-04				
Sum of weekly results must be <3.5 g/year				
Cannot Exceed 0.35 g/day				

^a HDER = Highest Daily Emission Rate
4/17/2017