

**Environmental Protection Division**

Environmental Stewardship Group

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Date: APR 18 2013**Symbol: ENV-ES-13-0089****LAUR: 13-22479**

Compliance Reporting Manager
New Mexico Environment Department
Air Quality Bureau
1301 Siler Road, Building B
Santa Fe, NM 87507

Dear: Compliance Reporting Manager

**SUBJECT: IDEA ID 856 – Los Alamos National Laboratory
2013 FIRST QUARTER BERYLLIUM EMISSIONS REPORT
JANUARY– MARCH, 2013
AIR QUALITY PERMIT NO. 634-M2**

Attached as Enclosure 1 you will find a copy of the sampling data obtained from the continuous air monitor installed on the main exhaust stack at the Beryllium Technology Facility (BTF) at Los Alamos National Laboratory (LANL) for the **first quarter of calendar year 2013**. This submission of the quarterly emissions data, collected from this source, is required by permit condition 5.f of NMED Air Quality Permit #634-M2 dated October 30, 1998. Furthermore, this quarterly report is transmitted within the allowed 60 days after the end of the calendar quarter, as specified in the permit.

As specified in permit #634-M2, 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. As can be seen on the attached data sheet, the highest daily emission rate (HDER) during the first quarter of calendar year 2013 was $< 1.77 \times 10^{-5}$ grams per 24 hours, which is well below the daily permit limit. The total amount of beryllium emitted for the first quarter of calendar year 2013 was $< 1.60 \times 10^{-3}$ grams. Also, on the attached data sheet, you will note that the first data point for calendar year 2013 is December 20, 2012. This is due to the laboratory closure over the holidays during which time the facility did not process material. Stack samples are not collected during this time and are allowed to remain in the sample collector for two weeks. This two-week sample is therefore reported as part of the first quarter emission report for this facility. Based on the attached information, LANL is in compliance with condition #2 of NMED Air Quality Permit #634-M2.

APR 18 2013

If you have any questions or comments regarding this submittal or would like to discuss this in greater detail, please feel free to contact Steve Story at 665-2169 or Kathleen Gorman at 665-1338.

Sincerely,



Patricia E. Gallagher
Group Leader
Environmental Stewardship Group

Enclosure: Beryllium 2013 Stack Emissions

PG/KG: mcm

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Enclosure 1

Beryllium 2013 Stack Emissions

Document # ENV-ES-13-0089

LAUR # 13-22479

Barcode N/A

Date **APR 18 2013**

Beryllium 2013 Stack Emissions
TA-03-0141

TA-3-141 StackID: 3014101

Sampling dates

Emissions (g)

Comments

Sampling dates		Emissions (g)		Comments
		Weekly(1)	Daily(2)	
Period #: 1		<i>Sum of weekly results must be <3.5 g/year</i>	<i>Cannot Exceed 0.35 g/day</i>	
12/20/2012	- 1/3/2013	< 1.23E-04	< 8.79E-06	
1/3/2013	- 1/10/2013	< 1.23E-04	< 1.76E-05	
1/10/2013	- 1/17/2013	< 1.23E-04	< 1.74E-05	
1/17/2013	- 1/24/2013	< 1.23E-04	< 1.76E-05	
1/24/2013	- 1/31/2013	< 1.23E-04	< 1.75E-05	
		Period 1 Sum: < 6.15E-04		
Period #: 2				
1/31/2013	- 2/7/2013	< 1.23E-04	< 1.75E-05	
2/7/2013	- 2/14/2013	< 1.23E-04	< 1.77E-05	
2/14/2013	- 2/21/2013	< 1.23E-04	< 1.74E-05	
2/21/2013	- 2/28/2013	< 1.23E-04	< 1.74E-05	
		Period 2 Sum: < 4.92E-04		
Period #: 3				
2/28/2013	- 3/7/2013	< 1.23E-04	< 1.77E-05	
3/7/2013	- 3/14/2013	< 1.23E-04	< 1.73E-05	
3/14/2013	- 3/21/2013	< 1.23E-04	< 1.77E-05	
3/21/2013	- 3/28/2013	< 1.23E-04	< 1.76E-05	
		Period 3 Sum: < 4.92E-04		
1st Quarter Total: < 1.60E-03		^aHDER < 1.77E-05		

^a HDER = Highest Daily Emissions Rate
4/5/2013