

Environmental Protection Division Environmental Stewardship Group P.O. Box 1663, MS J978 Los Alamos, New Mexico 87545 (505) 665-8855/FAX: (505) 665-8858 RECEIVED AUG 1 6 2010 AUR QUALITY BUREAU

Date: August 13, 2010 Refer to: ENV-ES: 10-156

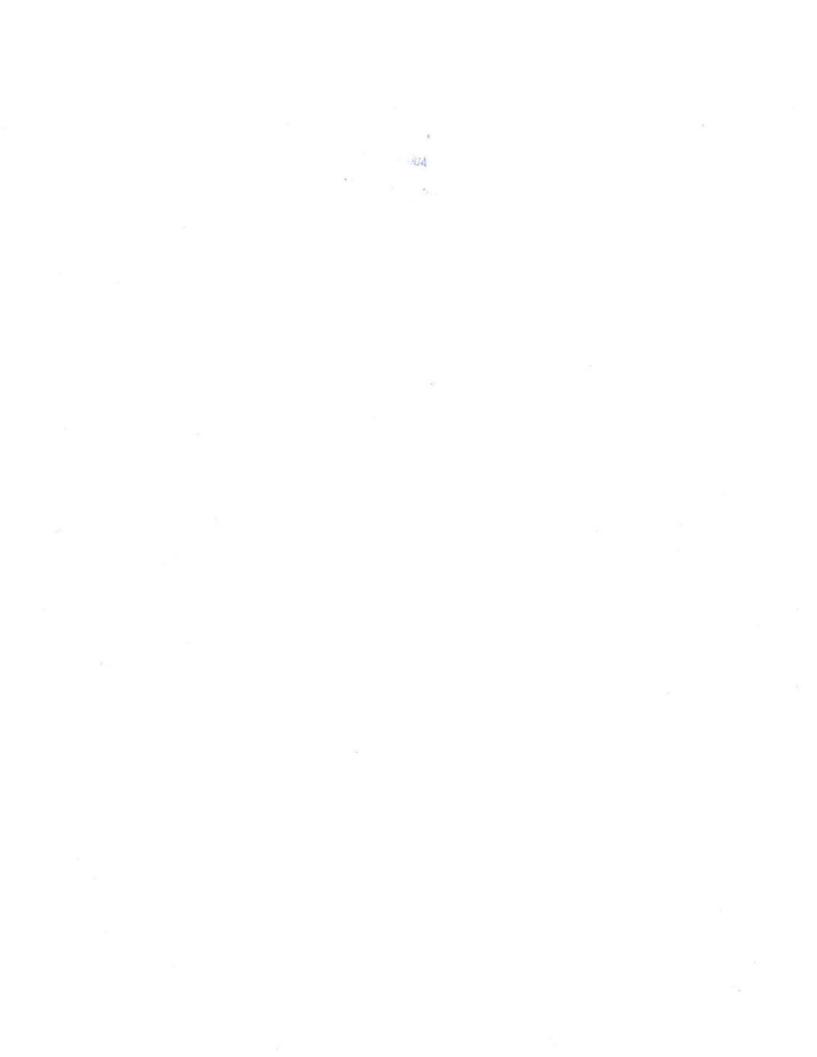
Compliance Reporting Manager New Mexico Environment Department Air Quality Bureau 1301 Siler Road, Building B Santa Fe, New Mexico 87507

## IDEA ID 856 – Los Alamos National Laboratory 2010 SECOND QUARTER BERYLLIUM EMISSIONS REPORT APRIL 1– JUNE 30, 2010 AIR QUALITY PERMIT NO. 634-M2

Dear Compliance Reporting Manager:

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 **second quarter of calendar year 2010**. 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 second quarter of calendar year 2010 was  $< 1.84 \times 10^{-5}$  grams per 24 hours, which is well below the daily permit limit. The total amount of beryllium emitted for the second quarter of calendar year 2010 was  $< 1.52 \times 10^{-3}$  grams. Additionally, the total for the first two quarters of calendar year 2010 is  $< 3.18 \times 10^{-3}$  grams, which is well below the 3.5 gram per year limit specified in the permit. Based on the attached information, LANL is in compliance with condition #2 of NMED Air Quality Permit #634-M2.



## LA-UR-10-05202

Approved for public release; distribution is unlimited,

> *Title:* 2010 Second Quarter Beryllium Emissions Report April 1 - June 30, 2010 Air Quality Permit No. 634-M2 Los Alamos National Laboratory

Author(s):

Kathleen Gorman-Bates, ENV-ES

Intended for:

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

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Form 836 (7/06)

## **Enclosure 1**

Beryllium 2010 Stack Emissions TA-03-0141

<u>T</u>	<u>A-3-141</u> <u>Stack</u> Sampling dates	<b>ID:</b> <u>3014101</u>			Emissions (g)		Comments
		······································		Weekly(1)	- (0/	Daily(2)	
	Period #: 1		re	um of weekly esults must be 3.5 g/year	Ca	, mnot Exceed 0.3 g/day	5 5
12/23/2009		1/7/2010	<	1.27E-04	<	8.65E-06	Run time due to holiday closure.
1/7/2010	-	1/14/2010	<	1.27E-04	<	1.81E-05	
1/14/2010	-	1/21/2010	<	1.27E-04	<	1.84E-05	
1/21/2010		1/28/2010	< '	1.27E-04	<	1.82E-05	
1/28/2010	- The set of the O	2/4/2010	< Period 1 Sum: <	1.27E-04 6.35E-04	<	1.79E-05	Run time 2 hour delay start for snowy weather.
	Period #: 2						
2/4/2010	-	2/11/2010	<	1.27E-04	<	1.85E-05	
2/11/2010	-	2/18/2010	<	1.27E-04	<	1.82E-05	
2/18/2010	-	2/25/2010	<	1.27E-04	<	1.82E-05	
2/25/2010	-	3/4/2010	> 100	1.27E-04	<	1.82E-05	
	eriod #: · 3		Period 2 Sum: <	5.08E-04			
3/4/2010	-	3/11/2010	,<	1.27E-04	. <	1.82E-05	
3/11/2010	-	3/18/2010	, <	1.27E-04	<	1.82E-05	Run time due to time change.
3/18/2010	-	3/25/2010	<	1.27E-04	<	1.82E-05	
3/25/2010	-	4/1/2010	<	1.27E-04	<	1.82E-05	
		·	Period 3 Sum: <	5.08E-04			
		F The second sec	1st Quarter Total: <	1.65E-03	"HDER <	1.85E-05	

<sup>a</sup>HDER = Highest Daily Emission Rate

## Beryllium 2010 Stack Emissions TA-03-0141

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Sampling dates						Emissions (g)		Comments
					Weekly(1)		Daily(2)	
	Period #:	4		re	um of weekly esults must be 3.5 g/year	Ca	nnot Exceed 0.35 g/day	
441 (0.01.0								
4/1/2010	-		4/8/2010	<	1.27E-04	< .	1.82E-05	
4/8/2010	-		4/15/2010	<	1.27E-04	<	1.80E-05	
4/15/2010	-		4/22/2010	<	1.27E-04	<	1.84E-05	
4/22/2010	-		4/29/2010	<	1.27E-04	<	1.82E-05	
				Period 4 Sum: <	5.08E-04			
	Period #:	5						
4/29/2010	+		5/6/2010	<	1.27E-04	· <	1.82E-05	
5/6/2010	-		5/13/2010	1.91E-04		2.73E-05		
5/13/2010	-		5/20/2010	<	1.27E-04	<	1.83E-05	
5/20/2010	-		5/27/2010	<	1.27E-04	<	1.81E-05	
5/27/2010	-		6/3/2010	<	1.27E-04	. <	1.83E-05	
				Period 5 Sum: <	5.08E-04			
	Period #:	6						•
6/3/2010			6/10/2010	<	1.27E-04	<	1.82E-05	
6/10/2010	-		6/17/2010	<	1.27E-04	<	1.82E-05	
6/17/2010	-		6/24/2010	<	1.27E-04	<	1.81E-05	
6/24/2010	-		7/1/2010	<	1.27E-04	< .	1.83E-05	
				Period 6 Sum: <	5.08E-04			

	·····		· · · · ·	
2nd Quarter Total: <	1.52E-03	HDER	<	1.84E-05

<sup>a</sup> HDER = Highest Daily Emission Rate

TA-3-141 StackID: 3014101

7/27/2010



New Mexico Environment Department Air Quality Bureau Compliance and Enforcement Section 1301 Siler Road Building B Santa Fe, NM 87507 Phone (505) 476-4300 Fax (505) 476-4375

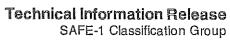


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Į		(name of reporting a	official)			·
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