



Environmental Protection Division
Ecology and Air Quality Group
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Date: July 28, 2008
Refer to: ENV-EAQ:08-175

Ms. Debra McElroy
Manager, Compliance and Enforcement Program
New Mexico Environment Department
Air Quality Bureau
1301 Siler Road, Building B
Santa Fe, New Mexico 87507

**IDEA ID 856 – LOS ALAMOS NATIONAL LABORATORY
2008 SECOND QUARTER BERYLLIUM EMISSIONS REPORT
APRIL 1– JUNE 30, 2008
AIR QUALITY PERMIT NO. 634-M2**

Dear Ms. McElroy:

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 2008**. 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 2008 was $< 1.82 \times 10^{-5}$ 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 2008 was $< 1.63 \times 10^{-3}$ grams. Additionally, the total for the first two quarters of calendar year 2008 is $< 3.32 \times 10^{-3}$ 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.

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-Bates at 665-1338.

Ms. Debra McElroy
ENV-EAQ:08-175
LA-UR:08-05254

-2-

July 28, 2008

Sincerely,



Dianne Wilburn
Ecology & Air Quality Group

KGB/DW:alb

Enc: a/s

Cy:

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Michael Mallory, PADOPS, A102
Richard Watkins, ADESH&Q, K491
IRM-RMSS0, A150
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S. Fong, DOE-LA-SO, A316
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S. Story, ENV-EAQ, J978
K.Gorman-Bates, ENV-EAQ, J978
ENV-EAQ Records Room, Title V Beryllium Permit #634 Quarterly Reports
ENV-EAQ File

LA-UR-08-05254

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<i>Title:</i>	2008 Second Quarter Beryllium Emissions Report April 1 - June 30, 2008 Air Quality Permit No. 634-M2 Los Alamos National Laboratory
<i>Author(s):</i>	Kathleen Gorman-Bates, ENV-EAQ
<i>Intended for:</i>	Ms. Debra McElroy Manager, Compliance and Enforcement Program New Mexico Environment Department Air Quality Bureau 1301 Siler Road; Building B Santa Fe, New Mexico 87507

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Enclosure 1

*Beryllium 2008 Stack Emissions
TA-03-0141*

TA-3-141 StackID: 3014101

Sampling dates		Emissions (g)		Comments		
		Weekly(1)	Daily(2)			
Period #: 1						
12/20/2007	-	1/3/2008	< 1.21E-04	< 8.66E-06	Run time due to Holiday.	
1/3/2008	-	1/10/2008	< 1.21E-04	< 1.73E-05		
1/10/2008	-	1/17/2008	< 1.21E-04	< 1.73E-05		
1/17/2008	-	1/24/2008	< 1.21E-04	< 1.74E-05		
1/24/2008	-	1/31/2008	< 1.21E-04	< 1.72E-05		
		Period 1 Sum: <	6.05E-04			
Period #: 2						
1/31/2008	-	2/7/2008	< 1.21E-04	< 1.74E-05		
2/7/2008	-	2/14/2008	< 1.21E-04	< 1.74E-05		
2/14/2008	-	2/21/2008	< 1.21E-04	< 1.74E-05		
2/21/2008	-	2/28/2008	< 1.21E-04	< 1.73E-05		
		Period 2 Sum: <	4.84E-04			
Period #: 3						
2/28/2008	-	3/6/2008	< 1.21E-04	< 1.70E-05	Run time due to 2 hour weather delay. Sample pump off.	
3/6/2008	-	3/13/2008	< 1.21E-04	< 1.76E-05	Run time due to 2 hour delay.	
3/13/2008	-	3/20/2008	< 1.21E-04	< 1.71E-05		
3/20/2008	-	3/27/2008	< 1.21E-04	< 1.73E-05		
3/27/2008	-	4/3/2008	< 1.21E-04	< 1.75E-05		
		Period 3 Sum: <	6.05E-04			
		Ist Quarter Total: <		1.69E-03	HDER <	1.76E-05

^a HDER = Highest Daily Emission Rate

Beryllium 2008 Stack Emissions
TA-03-0141

Period #:		4				
4/3/2008	-	4/10/2008	<	1.21E-04	<	1.75E-05
4/10/2008	-	4/17/2008	<	1.21E-04	<	1.73E-05
4/17/2008	-	4/24/2008	<	1.21E-04	<	1.74E-05
4/24/2008	-	5/1/2008	<	1.21E-04	<	1.73E-05
			Period 4 Sum: <	4.84E-04		
Period #:		5				
5/1/2008	-	5/8/2008	<	1.27E-04	<	1.82E-05
5/8/2008	-	5/15/2008	<	1.27E-04	<	1.82E-05
5/15/2008	-	5/22/2008	<	1.27E-04	<	1.82E-05
5/22/2008	-	5/29/2008	<	1.27E-04	<	1.82E-05
			Period 5 Sum: <	5.08E-04		
Period #:		6				
5/29/2008	-	6/5/2008	<	1.27E-04	<	1.82E-05
6/5/2008	-	6/12/2008	<	1.27E-04	<	1.82E-05
6/12/2008	-	6/19/2008	<	1.27E-04	<	1.82E-05
6/19/2008	-	6/26/2008	<	1.27E-04	<	1.82E-05
6/26/2008	-	7/3/2008	<	1.27E-04	<	1.80E-05
			Period 6 Sum: <	6.35E-04		

2nd Quarter Total: <	1.63E-03	HDER <	1.82E-05
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^a HDER = Highest Daily Emission Rate



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 Air Quality Bureau
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Version 11.22.06

REPORTING SUBMITTAL FORM

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Staff _____

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PLEASE NOTE: ® - Indicates required field

SECTION I - GENERAL COMPANY AND FACILITY INFORMATION									
® Company Name: Los Alamos National Security					® Facility Name: Los Alamos National Laboratory				
® Company Address: P.O. Box 1663 MS J978					® Facility Address: Same as Company				
® City: Los Alamos		® State: NM	® Zip: 87545		® City:		® State:	® Zip:	
® Company Environmental Contact: Dianne Wilburn			® Title: EAQ Group Leader		® Facility Contact: Steve Story			® Title: Team Leader - Compliance	
® Phone Number: 505 667 6952		® Fax Number: 505 665 8858			® Phone Number: 505 665 2169		® Fax Number: 505 665 8858		
® Email Address: dianne@lanl.gov					® Email Address: story@lanl.gov				
Responsible Official: (Title V only): Richard S. Watkins			Title: Associate Director ESH&Q		Phone Number: 505 667 4218		Fax Number: 505 665 3811		
® AI Number:		Title V Permit Number: P100M2		Title V Permit Issue Date: July 16, 2007 (M2)		NSR Permit Number: 634-M2		NSR Permit Issue Date: October 30, 1998	
® Date of Submittal: August 4, 2008		Reporting Period: April 1- June 30, 2008			OR	Proposed Test Date:		OR	Actual Test Date:

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):
			Test Protocol <input type="checkbox"/> Test Report <input type="checkbox"/> Other <input type="checkbox"/>	
D.	<input type="checkbox"/>	MACT Requirement (40CFR63)	Regulation:	Section(s):
			Test Protocol <input type="checkbox"/> Test Report <input type="checkbox"/> Other <input type="checkbox"/>	
E.	<input type="checkbox"/>	NMAC Requirement (20.2.xx) or NESHAP Requirement (40CFR61)	Regulation:	Section(s):
			Test Protocol <input type="checkbox"/> Test Report <input type="checkbox"/> Other <input type="checkbox"/>	
F.	<input checked="" type="checkbox"/>	Permit Requirement	Permit No.:	Condition(s):
			634-M2	5.f
			Test Protocol <input type="checkbox"/> Test Report <input type="checkbox"/> Other <input checked="" type="checkbox"/>	
G.	<input type="checkbox"/>	Requirement of a Settlement Agreement or Compliance Order	NOV or SFO No.:	Section(s):
			Test Protocol <input type="checkbox"/> Test Report <input type="checkbox"/> Other <input type="checkbox"/>	

SECTION III - CERTIFICATION			
After reasonable inquiry, I <u>Victoria George</u> certify that the information in this submittal is true, accurate and complete. <small>(name of reporting official)</small>			
® Signature of Reporting Official: 		® Title: Environmental Protection Division Leader	® Date: 8/7/08
			® Responsible Official for Title V? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Reviewed By: _____

Date Reviewed: _____