



Environmental Protection Division
Ecology and Air Quality Group
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Date: November 3, 2009
Refer to: ENV-EAQ:09-224

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
2009 THIRD QUARTER BERYLLIUM EMISSIONS REPORT
JULY 1 –SEPTEMBER 30, 2009
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 **third quarter of calendar year 2009**. 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 third quarter of calendar year 2009 was $< 1.83 \times 10^{-5}$ grams per 24 hours, which is well below the daily permit limit. Additionally, the total for the first three quarters of calendar year 2009 is $< 4.95 \times 10^{-3}$ 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.

Compliance Reporting Manager
ENV-EAQ:09-224
LA-UR:09-07215

-2-

November 3, 2009

Sincerely,



Dianne Wilburn
Ecology & Air Quality Group

KGB/DW:alb

Enc: a/s

Cy:

Isaac Richardson, DIR, A100
Michael Mallory, PADOPS, A102
J. Chris Cantwell, ADESH&Q, K491
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ENV-EAQ Beryllium Permit #634 Quarterly Report File
ENV-EAQ File

LA-UR-09-07215

Approved for public release;
distribution is unlimited.

Title: 2009 Third Quarter Beryllium Emissions Report
July 1 - September 30, 2009
Air Quality Permit No. 634-M2
Los Alamos National Laboratory

Author(s): Kathleen Gorman-Bates, ENV-EAQ

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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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					
12/24/2008	-	1/8/2009 -	< 1.27E-04	< 8.58E-06	Date of change-out due to weather conditions & holiday closure
1/8/2009	-	1/15/2009	< 1.27E-04	< 1.82E-05	
1/15/2009	-	1/22/2009	< 1.27E-04	< 1.82E-05	
1/22/2009	-	1/29/2009	< 1.27E-04	< 1.82E-05	
		Period 1 Sum: <	5.08E-04		
Period #: 2					
1/29/2009	-	2/5/2009	< 1.27E-04	< 1.82E-05	
2/5/2009	-	2/12/2009	< 1.27E-04	< 1.81E-05	
2/12/2009	-	2/19/2009	< 1.27E-04	< 1.83E-05	
2/19/2009	-	2/26/2009	< 1.27E-04	< 1.82E-05	
		Period 2 Sum: <	5.08E-04		
Period #: 3					
2/26/2009	-	3/5/2009	< 1.27E-04	< 1.83E-05	
3/5/2009	-	3/12/2009	< 1.27E-04	< 1.82E-05	
3/12/2009	-	3/19/2009	< 1.27E-04	< 1.82E-05	
3/19/2009	-	3/26/2009	< 1.27E-04	< 1.80E-05	
3/26/2009	-	4/2/2009	< 1.27E-04	< 1.84E-05	
		Period 3 Sum: <	6.35E-04		
		1st Quarter Total: <	1.65E-03	HDER <	1.84E-05

^a HDER = Highest Daily Emission Rate

Beryllium 2008 Stack Emissions
TA-03-0141

TA-3-141 StackID: 3014101

Sampling dates		Emissions (g)		Comments
Period #: 4				
4/2/2009	-	4/9/2009	< 1.27E-04	< 1.82E-05
4/9/2009	-	4/16/2009	< 1.27E-04	< 1.82E-05
4/16/2009	-	4/23/2009	< 1.27E-04	< 1.82E-05
4/23/2009	-	4/30/2009	< 1.27E-04	< 1.81E-05
			Period 4 Sum: <	5.08E-04
Period #: 5				
4/30/2009	-	5/7/2009	< 1.27E-04	< 1.81E-05
5/7/2009	-	5/14/2009	< 1.27E-04	< 1.84E-05
5/14/2009	-	5/21/2009	< 1.27E-04	< 1.82E-05
5/21/2009	-	5/28/2009	< 1.27E-04	< 1.82E-05
5/28/2009	-	6/4/2009	< 1.27E-04	< 1.82E-05
			Period 5 Sum: <	6.35E-04
Period #: 6				
6/4/2009	-	6/11/2009	< 1.27E-04	< 1.82E-05
6/11/2009	-	6/18/2009	< 1.27E-04	< 1.82E-05
6/18/2009	-	6/25/2009	< 1.27E-04	< 1.82E-05
6/25/2009	-	7/2/2009	< 1.27E-04	< 1.82E-05
			Period 6 Sum: <	5.08E-04
			2nd Quarter Total: <	1.65E-03
			HDER <	1.84E-05

^a HDER = Highest Daily Emission Rate

Beryllium 2008 Stack Emissions
TA-03-0141

TA-3-141 StackID: 3014101

Sampling dates		Emissions (g)		Comments
Period #: 7				
7/2/2009	-	7/9/2009	< 1.27E-04	< 1.82E-05
7/9/2009	-	7/16/2009	< 1.27E-04	< 1.81E-05
7/16/2009	-	7/23/2009	< 1.27E-04	< 1.83E-05
7/23/2009	-	7/30/2009	< 1.27E-04	< 1.82E-05
Period 7 Sum: <			5.08E-04	
Period #: 8				
7/30/2009	-	8/6/2009	< 1.27E-04	< 1.82E-05
8/6/2009	-	8/13/2009	< 1.27E-04	< 1.82E-05
8/13/2009	-	8/20/2009	< 1.27E-04	< 1.82E-05
8/20/2009	-	8/27/2009	< 1.27E-04	< 1.82E-05
8/27/2009	-	9/3/2009	< 1.27E-04	< 1.82E-05
Period 8 Sum: <			6.35E-04	
Period #: 9				
9/3/2009	-	9/10/2009	< 1.27E-04	< 1.82E-05
9/10/2009	-	9/17/2009	< 1.27E-04	< 1.82E-05
9/17/2009	-	9/24/2009	< 1.27E-04	< 1.82E-05
9/24/2009	-	10/1/2009	< 1.27E-04	< 1.82E-05
Period 9 Sum: <			5.08E-04	
3rd Quarter Total: <			1.65E-03	HDER < 1.83E-05

^a HDER = Highest Daily Emission Rate



**New Mexico Environment Department
Air Quality Bureau
Compliance and Enforcement Section
1301 Siler Road Building B
Santa Fe, NM 87507
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PLEASE NOTE: ® - Indicates required field

SECTION I - GENERAL COMPANY AND FACILITY INFORMATION									
A. ® Company Name: Los Alamos National Laboratory					D. ® Facility Name: Los Alamos National Laboratory				
B.1 ® Company Address: P. O. Box 1663 MS J978					E.1 ® Facility Address: Same as Company				
B.2 ® City: Los Alamos		B.3 ® State: NM	B.4 ® Zip: 87545		E.2 ® City:		E.3 ® State:	E.4 ® Zip:	
C.1 ® Company Environmental Contact: Dianne Wilburn			C.2 ® Title: Group Leader, EAQ		F.1 ® Facility Contact: Steve Story		F.2 ® Title: Team Leader, Compliance		
C.3 ® Phone Number: (505) 667-6952			C.4 ® Fax Number: (505) 665-8858		F.3 ® Phone Number: (505) 665-2169		F.4 ® Fax Number: (505) 665-8858		
C.5 ® Email Address: dianne@lanl.gov					F.5 ® Email Address: story@lanl.gov				
G. Responsible Official: (Title V onlv): J. Chris Cantwell			H. Title: Associate Director, ESH&Q		I. Phone Number: (505) 606-2354		J. Fax Number: (505) 665-3811		
K. ® AI Number: 856		L. Title V Permit Number: P100R1		M. Title V Permit Issue Date: 08/07/2009		N. NSR Permit Number: 634-M2		O. NSR Permit Issue Date: 10/30/1998	
P. Reporting Period: From: 7/1/2009 To: 9/30/2009				OR	Q. Proposed Test Date: N/A		OR	R. Actual Test Date: N/A	

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: Report beryllium emissions data by the continuous air monitor 60 days after Qtr.
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 III - PERIODIC EMISSIONS TEST NOTIFICATIONS, TEST PROTOCOLS AND TEST REPORTS (if applicable)				
T. <input type="checkbox"/>	A. Test Report <input type="checkbox"/> CMT: _____	B. Test Protocol <input type="checkbox"/>	C. Notification <input type="checkbox"/> CMT: _____	Description: (Emission Units to be Tested)
	D. Test (EPA Methods) <input type="checkbox"/>	E. Test (EPA Methods) <input type="checkbox"/>	F. RATA Test <input type="checkbox"/>	
			H. Portable Analyzer (Periodic Test) <input type="checkbox"/>	

SECTION IV - CERTIFICATION			
After reasonable inquiry, I <u>Dianne W. Wilburn</u> certify that the information in this submittal is true, accurate and complete. (name of reporting official)			
® Signature of Reporting Official:	® Title: Group Leader, EAQ	® Date:	® Responsible Official for Title V? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Reviewed By: _____

Date Reviewed: _____