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Date: November 8, 2004
Refer to: ENV-MAQ:04-369

Dr. John Volkerding
New Mexico Environment Department
Air Quality Bureau
Compliance/Enforcement Manager
2048 Galisteo Street
Santa Fe, New Mexico 87505

Subject: Third Quarter Beryllium Report, Permit 634-M2 (Idea/Tempo ID No. 856)

Dr. Volkerding:

Attached you will find a copy of the official 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 2004**. 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 largest daily emission rate during the third quarter of calendar year 2004 was $< 1.83 \times 10^{-5}$ grams which is well below the daily permit limit. The total amount of beryllium emitted for the third quarter of calendar year 2004 was $< 1.65 \times 10^{-3}$ grams. Additionally, the total for the first three quarters of calendar year 2004 was $< 4.95 \times 10^{-3}$, 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 me at 665-2169 or Stephen Cossey at 665-8893.

Sincerely,

Steven L. Story
Meteorology & Air Quality Group

SLS:alb

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ENV-MAQ Beryllium Permit #634 Quarterly Report File
ENV-MAQ File

Beryllium Operating Group Report
2004 Stack Emissions

TA-3-141 **StackID: 03014101** 11/03/2004

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Sampling dates	Emissions (g) Weekly(1)	Emissions (g) Daily(2)	Comments Field	Comments Analytical
Period #: 1				
12/24/2003 - 01/08/2004	< 1.27E-04	< 8.55E-06	Run time due to holiday.	
01/08/2004 - 01/15/2004	< 1.27E-04	< 1.83E-05		
01/15/2004 - 01/22/2004	< 1.27E-04	< 1.79E-05		
01/22/2004 - 01/29/2004	< 1.27E-04	< 1.85E-05		
Period #: 2				
01/29/2004 - 02/05/2004	< 1.27E-04	< 1.83E-05		
02/05/2004 - 02/13/2004	< 1.27E-04	< 1.59E-05	Due to LANL closure run time 8 days.	
02/13/2004 - 02/19/2004	< 1.27E-04	< 2.14E-05	Due to LANL closure run time 6 days.	
02/19/2004 - 02/26/2004	< 1.27E-04	< 1.82E-05		
Period #: 3				
02/26/2004 - 03/04/2004	< 1.27E-04	< 1.83E-05		
03/04/2004 - 03/11/2004	< 1.27E-04	< 1.82E-05		
03/11/2004 - 03/18/2004	< 1.27E-04	< 1.82E-05		
03/18/2004 - 03/25/2004	< 1.27E-04	< 1.82E-05		
03/25/2004 - 04/01/2004	< 1.27E-04	< 1.82E-05		
Period #: 4				
04/01/2004 - 04/08/2004	< 1.27E-04	< 1.82E-05		
04/08/2004 - 04/15/2004	< 1.27E-04	< 1.82E-05		
04/15/2004 - 04/22/2004	< 1.27E-04	< 1.82E-05		
04/22/2004 - 04/29/2004	< 1.27E-04	< 1.82E-05		
Period #: 5				
04/29/2004 - 05/06/2004	< 1.27E-04	< 1.82E-05		
05/06/2004 - 05/13/2004	< 1.27E-04	< 1.82E-05		
05/13/2004 - 05/20/2004	< 1.27E-04	< 1.82E-05		
05/20/2004 - 05/27/2004	< 1.27E-04	< 1.82E-05		
05/27/2004 - 06/03/2004	< 1.27E-04	< 1.82E-05		
Period #: 6				
06/03/2004 - 06/10/2004	< 1.27E-04	< 1.82E-05		
06/10/2004 - 06/17/2004	< 1.27E-04	< 1.82E-05		
06/17/2004 - 06/24/2004	< 1.27E-04	< 1.82E-05		
06/24/2004 - 07/01/2004	< 1.27E-04	< 1.82E-05		

Footnotes: Permit Terms

(1) The sum of all weekly results must be less than 3.5 g/yr.

(2) The daily value cannot exceed 0.35 g/day.

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TA-3-141 **StackID: 03014101**

11/03/2004

Sampling dates	Emissions (g) Weekly(1)	Daily(2)	Comments Field	Analytical
Period #: 7				3rd quarter: 1.65×10^{-3} g
07/01/2004 - 07/08/2004	< 1.27E-04	< 1.82E-05		
07/08/2004 - 07/15/2004	< 1.27E-04	< 1.82E-05		
07/15/2004 - 07/22/2004	< 1.27E-04	< 1.83E-05		
07/22/2004 - 07/29/2004	< 1.27E-04	< 1.82E-05		
Period #: 8				
07/29/2004 - 08/05/2004	< 1.27E-04	< 1.82E-05		
08/05/2004 - 08/12/2004	< 1.27E-04	< 1.82E-05		
08/12/2004 - 08/19/2004	< 1.27E-04	< 1.82E-05		
08/19/2004 - 08/26/2004	< 1.27E-04	< 1.82E-05		
08/26/2004 - 09/02/2004	< 1.27E-04	< 1.81E-05		
Period #: 9				
09/02/2004 - 09/09/2004	< 1.27E-04	< 1.83E-05		
09/09/2004 - 09/16/2004	< 1.27E-04	< 1.83E-05	3rd quarter high	
09/16/2004 - 09/23/2004	< 1.27E-04	< 1.82E-05		
09/23/2004 - 09/30/2004	< 1.27E-04	< 1.81E-05		
Period #: 10				Year-to-date: 4.95×10^{-3} g
09/30/2004 - 10/07/2004	< 1.27E-04	< 1.82E-05		
10/07/2004 - 10/14/2004	< 2.41E-05	< 3.46E-06		
10/14/2004 - 10/21/2004	< 1.27E-04	< 1.82E-05		

Footnotes: Permit Terms

(1) The sum of all weekly results must be less than 3.5 g/yr.

(2) The daily value cannot exceed 0.35 g/day.

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11/8/04