

SNL06



**National Nuclear Security Administration**  
Sandia Site Office  
P.O. Box 5400  
Albuquerque, New Mexico 87185-5400



NOV 27 2006

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

Mr. James Bearzi  
Chief  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Road East  
Building 1  
Santa Fe, New Mexico 87505



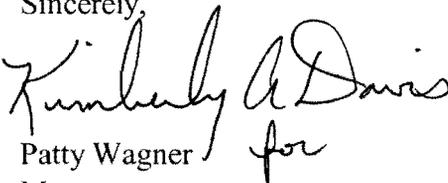
Dear Mr. Bearzi:

Following the Voluntary Corrective Measure (VCM) conducted at Environmental Restoration Site 28-2 (Mine Site), the Department of Energy (DOE), Sandia National Laboratories/New Mexico (SNL/NM), and the New Mexico Environment Department Oversight Bureau cooperated in order to collect stormwater samples directly below the site. The purpose of the sampling was to determine if any residual depleted uranium (DU) remaining at the site following the VCM posed a risk to human health or the environment.

On July 13<sup>th</sup>, 2006, a stormwater sample was collected at the outfall point for the site and was sent to General Engineering Laboratory, LLC for analysis. Enclosed are the analytical results from the sampling for uranium and gross alpha.

DOE and SNL/NM believe that the analytical results demonstrate that the 28-2 mine site does not pose a threat to human health and the environment, and request that the No Further Action proposal for this site be approved.

If you have any questions, please call me at (505) 845-6036, or John Gould of my staff at (505) 845-6089.

Sincerely,  
  
Patty Wagner *for*  
Manager

Enclosure



NOV 27 2006

James Bearzi

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cc w/enclosure:

W. Moats, NMED-HWB

L. King, EPA, Region 6

T. Skibitski, NMED-OB (2 Copies)

J. Freshour, SNL/NM, Org. 6765, MS-1087

T. Longo, HQ/GTN, NA-56

J. Estrada, SSO

K. Agogino, SSO

# Attachment: GEL Analytical Results for 28-2 Mine Site Stormwater

**GENERAL ENGINEERING LABORATORIES, LLC**  
 2040 Savage Road Charleston SC 29407 - (843) 558-8171 - www.gel.com

## Certificate of Analysis

Company : Sandia National Laboratories  
 Address : MS-0756, Org. 7578, Bldg. 823/Rm. 4276  
 1515 Eubank SE  
 Albuquerque, New Mexico 87123  
 Contact: Ms. Pamela M. Puissant  
 Project: Level C Data Package

Report Date: August 10, 2006

Page 1 of 2

Client Sample ID: 079990-001      Project: SNLS00401  
 Sample ID: 167167001      Client ID: SNLS002  
 Matrix: Storm Water  
 Collect Date: 12-JUL-06 14:45      Client Desc.: SWMP-Mine Site  
 Receive Date: 14-JUL-06  
 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
<b>Metals Analysis-ICP-MS</b>											
<i>3005/6020 Uranium Federal</i>											
Uranium		0.000449	0.00005	0.0002	mg/L	1 PRB	08/08/06	0011	548315	1	

**The following Prep Methods were performed**

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005 PREP	CQH1	07/27/06	2153	548314

**The following Analytical Methods were performed**

Method	Description	Analyst Comments
1	SW846 3005/6020	

**Notes:**

The Qualifiers in this report are defined as follows :

- \* Recovery or %RPD not within acceptance limits and/or spike amount not compatible with the sample or the duplicate RPD's are not applicable where the concentration falls below the effective PQL.
- \*\* Indicates analyte is a surrogate compound.
- B The analyte was found in the blank above the effective MDL.
- H Analytical holding time was exceeded
- J Estimated value, the analyte concentration fell above the effective MDL and below the effective PQL
- U The analyte was analyzed for but not detected below this concentration. For Organic and Inorganic analytes the result is less than the effective MDL. For radiochemical analytes the result is less than the Decision Level
- X Data rejected due to interference.
- X Data rejected due to low abundance.
- X Data rejected due to peak not meeting identification criteria.
- X Presumptive evidence that the analyte is not present. Please see narrative for further information.
- X Uncertain identification for gamma spectroscopy.
- d The 2:1 depletion requirement was not met for this sample
- h Prep holding time exceeded

The above sample is reported on an "as received" basis.

**GENERAL ENGINEERING LABORATORIES, LLC**  
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.geel.com

**Certificate of Analysis**

Company : Sandia National Laboratories  
Address : MS-0756, Org. 7578, Bldg. 823/  
1515 Eubank SE  
Albuquerque, New Mexico 87123  
Contact: Ms. Pamela M. Puissant  
Project: Level C Data Package

Report Date: August 10, 2006

Client Sample ID: 079990-001      Project: SNLS00401  
Sample ID: 167167001      Client ID: SNLS002  
Matrix: Storm Water      Client Desc.: SWMP-Mine Site  
Collect Date: 12-JUL-06  
Receive Date: 14-JUL-06  
Collector: Client

Parameter	Qualifier	Result	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd
<b>Rad Gas Flow Proportional Counting</b>												
<i>GFPC, Gross Alpha, liquid</i>												
Alpha		8.39	0.287	+/-1.44	0.679	pCi/L		JXS4	08/07/06	1834	555858	1

**The following Prep Methods were performed**

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005 PREP	CQH1	07/27/06	2153	548314

**The following Analytical Methods were performed**

Method	Description
1	EPA 900.0

**Notes:**

TPU is calculated at the 95% confidence level (2-sigma).

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