



**National Nuclear Security Administration**

Sandia Site Office

P.O. Box 5400

Albuquerque, New Mexico 87185-5400

**MAY 27 2009**



**ENTERED**



**CERTIFIED MAIL-RETURN RECEIPT REQUESTED**

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



Dear Mr. Bearzi:

On behalf of the Department of Energy/National Nuclear Security Administration (DOE/NNSA) and Sandia Corporation (Sandia), DOE/NNSA is submitting the Mixed Waste Landfill (MWL) Annual Groundwater Monitoring Report, Calendar Year 2008. This report presents the groundwater monitoring data from the annual sampling event conducted at the MWL in 2008.

During 2008, four monitoring wells at the MWL were plugged and abandoned (MWL-BW1, MWL-MW1, MWL-MW2, and MWL-MW3) and four new monitoring wells were installed (MWL-BW2, MWL-MW7, MWL-MW8, and MWL-MW9). The new wells added to the MWL monitoring well network require sampling for eight consecutive quarters for a defined suite of parameters. In addition, sampling for perchlorate is required at the new wells for at least four consecutive quarters. Based on the results of the 2008 groundwater monitoring events, constituent concentrations remain within the historical ranges for the site at monitoring wells MWL-MW4, MWL-MW5, and MWL-MW6. Results for the new wells do not indicate any variance from historical ranges.

Should you have any questions regarding this submittal, please contact me at (505) 845-6036, or John Gould of my staff, at (505) 845-6089.

Sincerely,

Kimberly A. Davis  
Acting Manager

Enclosure

cc w/enclosure:

W. Moats, NMED-HWB (Via Certified Mail)

L. King, EPA, Region 6 (Via Certified Mail)

T. Skibitski, NMED-OB

B. Birch, NMED-OB

J. Gould, SSO

MAY 27 2009

Mr. James Bearzi

-2-

cc w/o enclosure:

T. Longo, HQ/GTN, NA-56

D. Miller, SNL/NM, Org 6765, MS-0718

J. Cochran, SNL/NM, Org. 6765, MS-0719

M. Skelly, SNL/NM, Org. 6765, MS-0718

M. Mitchell, SNL/NM, Org. 6765, MS-0718

Records Center, SNL/NM, Org.6765, MS-1089

J. Estrada, SSO, MS-0184

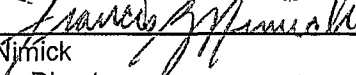
## CERTIFICATION STATEMENT FOR APPROVAL AND FINAL RELEASE OF DOCUMENTS

Document title: **Mixed Waste Landfill Groundwater Monitoring Report  
Calendar Year 2008**

Document author: **Kathy Turnham, Department 06765**

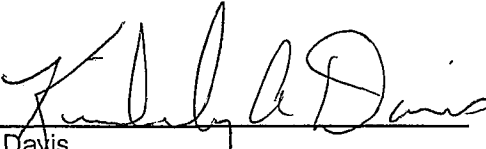
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

Signature:   
Francis B. Nijmick  
Deputy to the Director  
Nuclear Energy & Global Security Technologies  
Center 6700  
Sandia National Laboratories/New Mexico  
Albuquerque, New Mexico 87185  
Operator

5/5/09  
Date

and

Signature:   
Kimberly A. Davis  
Acting Manager  
U.S. Department of Energy  
National Nuclear Security Administration  
Sandia Site Office  
Owner and Co-Operator

5/27/09  
Date