

SNL MWLOE

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



APR 28 2005

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

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



Dear Mr. Bearzi:

Enclosed is one of two NMED copies of the Quarterly Report for the Corrective Measures Study for the Mixed Waste Landfill at Sandia National Laboratories/New Mexico for the period of January through March 2005. Per our verbal agreement, the second NMED copy is being sent directly to the Albuquerque Group Manager.

If you have any questions, please contact John Gould at (505) 845-6089.

Sincerely,

Patty Wagner
 Manager

Enclosure

cc w/enclosure:
 M. Gardipe, SC, ERD
 D. Pepe, NMED-OB (Santa Fe)
 J. Volkerding, NMED-OB
 W. Moats, NMED-HWB (via Certified Mail)
 L. King, EPA, Region 6 (via Certified Mail)

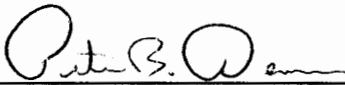
cc w/o enclosure:
 F. Nimick, SNL, MS 1087
 D. Miller, SNL, MS 1089

CERTIFICATION STATEMENT FOR APPROVAL AND FINAL RELEASE OF DOCUMENTS

Document title: Mixed Waste Landfill Quarterly Report January – March Fiscal
Year 2005

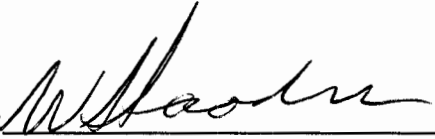
Document author: Tim Goering, Department 6147

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: 
Peter B. Davies
Director
Geoscience & Environment Center
Division 6100
Sandia National Laboratories/New Mexico
Albuquerque, New Mexico 87185
Operator

4/13/05
Date

and

Signature: 
Patty Wagner
Manager
U.S. Department of Energy
National Nuclear Security Administration
Sandia Site Office
Owner and Co-Operator

4/26/5
Date

Sandia National Laboratories, New Mexico (SNL/NM)

Environmental Restoration Project

A Department of Energy Environmental Cleanup Program

Quarterly Report

For The

Mixed Waste Landfill

Corrective Measures Study

January – March 2005

Sandia is a multi-program laboratory operated by Sandia Corporation, a Lockheed Martin Company for the United States Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000.

2.4 Class 3 RCRA Permit Modification and Public Hearing Process

The NMED completed their review of the DOE/SNL responses to the NMED NOD, and issued a formal notification letter to the DOE/SNL on January 5, 2004, stating that the MWL CMS report was determined to be administratively complete.

On January 23, 2004, DOE submitted a Class 3 Permit Modification Request to the NMED proposing a vegetative cover as the final remedy for the MWL. The DOE issued a public notice of a Request for a Class 3 Permit Modification to the HSWA Module of the RCRA Permit. The public notice was published in the January 30, 2004 edition of the Albuquerque Journal and was mailed to all addressees on the facility mailing list.

This public notice initiated a 60-day public comment period, which ended on March 30, 2004. A public meeting was held on February 26, 2004 to discuss the proposed Class 3 Permit Modification and the results of the MWL CMS. At the meeting, nine posters were presented showing the various alternatives evaluated during the CMS, the methodology, and the results of the CMS. SNL technical staff and DOE/SNL management were available for direct dialogue with the public, and to answer questions from the public. Written comments were solicited at the meeting, and for the remainder of the 60-day public comment period. These comments were compiled and transmitted to the NMED on April 19, 2004 for their evaluation.

The NMED submitted a Notice of Administrative Completeness for the MWL Class 3 Permit Modification Request on June 28, 2004. On August 10, 2004 the NMED notified DOE/SNL of the NMED-initiated public comment period for the Class 3 permit modification process and of a public hearing on the MWL Corrective Measures Study scheduled for December 2004. The NMED issued a draft permit for the MWL recommending a vegetative soil cover with bio-intrusion barrier as the preferred MWL alternative.

The MWL team spent considerable effort preparing for the hearing during the months of September through November 2004. Planning meetings were held with the Sandia/DOE legal team, and testimony was prepared for the hearing.

On November 1, 2004 DOE/SNL submitted their draft testimony in their "*Notice of Intent to Present Technical Testimony*" to the NMED Hearing Clerk. Supporting information, including resumes and exhibits, was also provided.

The Public Hearing was held December 3rd, 4th, 8th and 9th. Parties providing technical testimony included the Department of Energy, Sandia National Laboratories, Citizen Action, WERC, Dr. Eric Nuttall, and NMED. In addition, various members of the public provided their input and opinions on the Mixed Waste Landfill and the proposed remedy.

Order on Consent. The deliverable date for the MWL CMI Report has been extended to October 28, 2006.

4.2 Long Term Monitoring and Maintenance Plan

Following submittal of the CMI Report, DOE/SNL will prepare a Long Term Monitoring and Maintenance Plan for the MWL. This plan will be developed in consultation with the NMED and must be submitted for approval within 180 days of the NMED's approval of the CMI Report. The plan will address monitoring, maintenance, and physical and institutional controls for the MWL. The plan will also include contingency procedures that must be implemented by DOE/SNL if the final remedy fails to be protective of human health and the environment.

5.0 Related Work During this Quarter (January through March 2005)

Vadose zone monitoring of the MWL was conducted on January 6, 2005 and on February 16, 2005. Angled boreholes were logged using a neutron moisture meter to measure the water content of the vadose zone beneath the MWL.

Sandia's Compliance Order on Consent requires four quarters of sampling for perchlorate in wells MWL-BW1 and MWL-MW1. Sampling was conducted in April 2004, August/September 2004, November 2004, and February 2005. All samples were analyzed for perchlorate by EPA method 314.0. No perchlorate was detected above the laboratory MDL of 0.004 mg/l in any samples.

The MWL team completed the MWL Calc Set SAND report, which will be used in support of the Corrective Measures Implementation (CMI) Plan.

Visits were made to rock borrow pits in Encino, Pecos and in the San Pedro Mountains to assess their crushing facilities and rock quality as a potential sources for the proposed MWL bio-intrusion barrier rock. Additional rock sources for the bio-intrusion barrier are still being evaluated by the MWL team.

Meetings have been held with Sandia security personnel and DOE SSO to address removal of the MWL fence and related security issues during MWL construction. A number of security and ES&H issues must be addressed before the fences can be removed.

6.0 Relevant External Contacts

Quarterly Public Meeting on 1/20/05 – reviewed status of MWL.

LTES stakeholder meeting on 2/17/05 – presented information on the MWL.