



Department of Energy  
Albuquerque Operations  
Los Alamos Area Office  
Los Alamos, New Mexico 87544

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CERTIFIED MAIL - RETURN RECEIPT REQUESTED

TA-54

APR 1 1986

Generator

Ms. Denise Fort, Director  
N.M. Environmental Improvement Division  
P.O. Box 968  
Santa Fe, NM 87504-0968

GROUND WATER/HAZARDOUS WASTE  
BUREAU

Dear Ms. Fort:

COMPLIANCE ORDER/SCHEDULE DATED MAY 7, 1985 (DOCKET NUMBER 001007)

The enclosed information is Los Alamos National Laboratory's official response to your Division's Compliance Order/Schedule (Docket Number 001007) dated May 7, 1985. This submittal responds to Paragraph 25 of the Compliance Order/Schedule.

Paragraph 25 requires the Laboratory to submit to your Division, by March 31, 1986, a coherent report addressing the following tasks:

- Task 1 intrinsic permeability of tuff;
- Task 2 moisture characteristic curve for tuff;
- Task 3 unsaturated hydraulic conductivity of tuff; and
- Task 4 infiltration and redistribution of meteoric water into tuff.

The enclosure, entitled, "Vadose Zone Characterization of Technical Area 54, Waste Disposal Areas G and L, Los Alamos National Laboratory, New Mexico," addresses these tasks. This report was prepared for the Laboratory by Bendix Field Engineering Corporation. The enclosure provides additional documentation for the Laboratory's ground water monitoring waiver in compliance with Section 206.C.1.a(3) of the New Mexico Hazardous Waste Management Regulations.

This report also addresses Paragraph 25 Task 5 in that it describes the design and installation of pore gas samplers. Paragraph 25 Task 6 requires perched water analyses. This task was addressed in submittals required by November 30, 1985 and quarterly reporting dates in the Compliance Order/Schedule.

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HAZARDOUS WASTE SECTION

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If you have any questions concerning this response, please call Avedon Gallegos of my staff at 667-5288.

Sincerely,



Harold E. Valencia  
Area Manager

ns:03-27/4596A

Enclosures:

cc:

A. Davis, LANL, U.S. EPA, Dallas, TX