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Dr. M. S. Nataraja
Engineering Branch
Division of Waste Management
U.S. Nuclear Regulatory Commission
7915 Eastern Avenue
Silver Spring, MD 20910

Dear Dr. Nataraja:

The enclosed monthly report summarizes the activities during the month of September for FIN A-1755.

If you have any questions, please feel free to contact either myself at FTS 844-5303 or Krishan Wahi at FTS 844-6828.

Sincerely,

Evaristo J. Bonano
Waste Management Systems
Division 6431

EJB:6431:jm

Copy to:
6431 R. M. Cranwell
6431 E. J. Bonano
6431 K. K. Wahi

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A-1755 PDR

PROGRAM: Coupled Thermal-Hydrological-Mechanical Assessments and Site Characterization Activities for Geologic Repositories FIN#: A-1755

CONTRACTOR: Sandia National Laboratories BUDGET PERIOD: 3/84-9/84

DRA PROGRAM MANAGER: M. S. Nataraja BUDGET AMOUNT: 250K

CONTRACT PROGRAM MANAGER: R. M. Cranwell FTS PHONE: 844-8368

PRINCIPAL INVESTIGATOR: E. J. Bonano FTS PHONE: 844-5303

PROJECT OBJECTIVES

To provide technical assistance to NRC in the assessment of coupled thermal-hydrological-mechanical phenomena and site characterization activities for high-level waste repositories.

ACTIVITIES DURING SEPTEMBER 1984

Activities and Accomplishments

The thermomechanical property data compilation for the unsaturated tuff RSD was completed during September. The first draft has been typed and is under review. This material will be included as "Chapter 7" of the final RSD report.

Review of the various salt EA's and the basalt EA is still in progress. To date we have completed the reviews and prepared written comments of EA's for the following bedded salt sites: Davis Canyon, Lavender Canyon, and Swisher county. Of these, the review of the Swisher EA was completed in September.

At NRC's request, a review of the "Generic Technical Position" on the "Disturbed Zone" was also performed. Written comments were forwarded to NRC.

We expect to complete the review of all eight draft EA's (seven salt sites and a basalt site) during October. However, written comments on some of these may not be ready by the end of October. Some nominal effort will be directed towards finalizing the unsaturated tuff RSD.

Problems Encountered

None.

Travel

None.

October 10, 1984

Due to the end of our fiscal year, Sandia's Accounting Department will not make budget figures available to our organization until after October 16. We will forward budget sheets to you as soon as possible after that date.