

Sandia National Laboratories

Albuquerque, New Mexico 87185

WM DOCKET CONTROL
CENTER

'84 SEP 13 P1:43

September 11, 1984

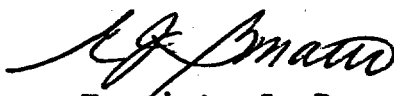
Dr. M. S. Nataraja
Engineering Branch
Division of Waste Management
U.S. Nuclear Regulatory Commission
7915 Eastern Avenue
Silver Spring, MD 20910

Dear Dr. Nataraja:

The enclosed monthly report summarizes the activities during the month of August for FIN A-1755. A trip report for the "Data Review Meeting" on August 20, 1984 has already been forwarded to you.

I have been assigned as the Sandia staff member to serve as principal investigator for FIN A-1755. Krishan Wahi and I will be collaborating in this project. I look forward to working with you. 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

WM-RES
WM Record File
A1755
SNL

WM Project 10,11,16
Docket No. _____
PDR
LPDR (B, N, S)

Distribution:

NATARAJA	JOAN-TICKET
PESHNI	HITTE

(Return to WM, 623-SS) *af*

8409260090 840911
PDR WMRES EXISANL
A-1755 PDR

1484

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 AUGUST 1984

Activities and Accomplishments

The primary effort during the month of August was the reviewing of Draft 4 of Salt Environmental Assessment (EA) documents. Also, the compilation (with limited analysis) of the thermomechanical data for the "Repository Site Definition" (RSD) Project in Division 6431 was continued.

Written comments were forwarded to the NRC on the Lavender Canyon and Davis Canyon EA's. K. Wahi and J. Daemen participated in a data review meeting in Columbus, Ohio during the week of August 20, 1984 at NRC's request (Trip Report forwarded to NRC on 8/28/84). Also, at the request of NRC, K. Wahi forwarded an analytical solution for a thermoelastic problem with sample calculations to assist in the estimation of the extent of the "disturbed zone."

During September, we expect to continue the review of the EA's for the salt sites as well as initiate a review of the BWIP EA. The data compilation for the RSD is expected to be completed during September.

Problems Encountered

None.

Travel

K. Wahi and J. Daemen attended a data review meeting in Columbus, Ohio on August 20, 1984. The purpose of the meeting was to review rock mechanics and thermomechanical data from DOE/ONWI. A trip report has been forwarded to NRC.

A-1755
 1628.010
 August 1984

THIS IS AN ESTIMATE ONLY AND MAY NOT MATCH THE INVOICES SENT TO NRC BY SANDIA'S ACCOUNTING DEPARTMENT.

	Month	Current Year-to-Date
I. Direct Manpower (man-months of charged effort)	0.6	2.0
II. Direct Loaded Labor Costs	7.0	22.0
Materials and Services	0.0	0.0
ADP Support (computer)	4.0	9.0
Subcontracts	9.0	66.0
Travel	0.0	1.0
Other	<u>0.0</u>	<u>-2.0</u>
TOTAL COSTS	20.0	96.0

Other = rounding approximation by computer

III. Funding Status

Prior FY Carryover	FY84 Projected Funding Level	FY84 Funds Received to Date	FY84 Funding Balance Needed
None	250K	250K	None