

Suc

Sandia National Laboratories

Albuquerque, New Mexico 87185

WM DOCKET CONTROL CENTER

September 13, 1985

'85 SEP 16 A11:29

Neil M. Coleman  
Hydrology Section  
Geotechnical Branch  
Division of Waste Management  
U.S. Nuclear Regulatory Commission  
7915 Eastern Avenue  
Silver Spring, MD 20910

WM-EE5  
WM Record File  
A1158  
SNL

WM Project 10,11,16  
Docket No.

PDR ✓  
LPDR ✓ (B.N.S.)

Distribution:  
Coleman  
Still  
(Return to WM, 623-SS)  
Joan-ticket  
af

Dear Mr. Coleman:

Enclosed is the monthly report on FIN A-1158, Repository Site Description and Technology Transfer for August 1985.

On October 1, 1985, Ginger Wilkinson of my staff will become Principal Investigator for FIN A-1158. Mrs. Wilkinson's experience in maintaining computer codes makes her an especially appropriate PI now that 1158 and 1166 are being combined. Her phone number is 844-0074.

Please feel free to contact me if you have any questions or comments.

Sincerely,

*R.M. Cranwell*  
Robert M. Cranwell, Supervisor  
Waste Management Systems  
Division 6431

RMC:6431:jm

Enclosure

- Copy to:
- Office of the Director, NMSS
  - Attn: Program Support
  - Robert Browning, Director
  - Division of Waste Management
  - Malcolm R. Knapp
  - Division of Waste Management
  - Enrico Conti, Branch Chief
  - Health Siting & Waste Management Division
  - John Randall
  - Division of Radiation Programs and Earth Sciences
  - 6400 R. C. Cochrell
  - 6430 N. R. Ortiz
  - 6431 R. M. Cranwell
  - 6431 R. L. Hunter
  - 6431 G. F. Wilkinson

8509300331 850913  
PDR WMRES EXISANL  
A-1158 PDR

2/16

PROGRAM: Repository Site Definitions; FIN#: A-1158  
Short-term Technical Assistance Tasks I, III

CONTRACTOR: Sandia National Laboratories BUDGET PERIOD: 10/84 -  
9/85

NMSS PROGRAM MANAGER: N. M. Coleman BUDGET AMOUNT: \$90K

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

PRINCIPAL INVESTIGATORS: R. L. Hunter FTS PHONE: 846-6337  
M. D. Siegel FTS PHONE: 846-5448

#### PROJECT OBJECTIVE

To develop reference repositories in media other than bedded salt (i.e., basalt, domed salt, welded tuff, and granite).

#### ACTIVITIES DURING AUGUST 1985

Management review of the final draft of the RSD for unsaturated tuff is complete. A few minor changes remain to be made in the camera-ready copy. Permission to reproduce copyrighted figures has not yet been received from the publisher of one cited reference. We expect to mail the camera-ready copy in September, however.

We have received the reimbursements referred to in earlier monthly reports. We believe that this month's year-to-date charges represent the final accounting for the RSD for unsaturated tuff. The current total cost is \$286K, that is, \$11K more than the total we agreed to aim for, but \$39K less than the original estimate.

PROGRAM: Technology Transfer

FIN#: A-1158  
Task II

CONTRACTOR: Sandia National  
Laboratories

BUDGET PERIOD: 10/84 -  
9/85

NMSS PROGRAM MANAGER: N. M. Coleman BUDGET AMOUNT: \$239K

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

PRINCIPAL INVESTIGATORS: R. L. Hunter FTS PHONE: 846-6337  
M. D. Siegel FTS PHONE: 846-5448

#### PROJECT OBJECTIVE

To insure through technical support, problem definition, and documentation the timely, thorough, and efficient transfer of the information, analysis techniques, and analysis tools developed for the U.S. Nuclear Regulatory Commission (NRC) by the methodology program.

#### ACTIVITIES DURING AUGUST 1985

##### TOUGH

Dr. Pruess continues to make good progress. However, due to time constraints resulting from the beginning of the academic year, he was unable to submit a progress report to us in time for this monthly report.

##### SWIFT II STC

Final corrections to the SWIFT II Self-Teaching Curriculum are in progress. Minor typographical corrections to the text and microfiche copies of data input for the problems still must be prepared.

A-1158, Tasks I and III  
 0976.020  
 August 1985

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

	Current Month	Year-to-Date
I. Direct Manpower (man-months of charged effort)	0.0	0.5
II. Direct Loaded Labor Costs	0.0	5.0
Materials and Services	1.0	2.0
ADP Support (computer)	0.0	0.0
Subcontracts*	-145.0	49.0
Travel	0.0	0.0
Other	-1.0	0.0
<b>TOTAL COSTS</b>	<b>-145.0</b>	<b>56.0</b>

Other = rounding approximation by computer

III. Funding Status

Prior FY Carryover	FY85 Projected Funding Level	FY85 Funds Received to Date	FY85 Funding Balance Needed
None	90K	90K	None

\*This represents the reimbursements indicated in earlier monthly reports. The following amounts have been reimbursed from subcontractors:

SAI	\$107,254
Geotrans	5,177
Other (on-site contractor charges)	28,841

A-1158, Task II  
 0976.010  
 August 1985

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

	Current Month	Year-to-Date
I. Direct Manpower (man-months of charged effort)	0.3	2.1
II. Direct Loaded Labor Costs	3.0	17.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts*	3.0	55.0
Travel	0.0	0.0
Other	0.0	0.0
<b>TOTAL COSTS</b>	<b>6.0</b>	<b>72.0</b>

Other = rounding approximation by computer

III. Funding Status

Prior FY Carryover	FY85 Projected Funding Level	FY85 Funds Received to Date	FY85 Funding Balance Needed
172K	239K	67K	None

\*Subcontractor charges represent a \$10,353 credit from Geotrans and a new \$13,542 administrative charge.

A-1158

TOTAL FOR 0976.010 and 0976.020

August 1985

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

	Current Month	Year-to-Date
I. Direct Manpower (man-months of charged effort)	0.3	2.6
II. Direct Loaded Labor Costs	3.0	22.0
Materials and Services	1.0	2.0
ADP Support (computer)	0.0	0.0
Subcontracts	-142.0	104.0
Travel	0.0	0.0
Other	-1.0	0.0
TOTAL COSTS	-139.0	128.0

Other = rounding approximation by computer

III. Funding Status

Prior FY Carryover	FY85 Projected Funding Level	FY85 Funds Received to Date	FY85 Funding Balance Needed
172K	329K	157K	None