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Sandia National Laboratories

Albuquerque, New Mexico 87185

January 15, 1986

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

Dear Mr. Coleman:

Enclosed is the monthly report on FIN A-1158, Repository Site Definition and Technology Transfer for December 1985. Please feel free to contact me if you have any questions or comments.

Sincerely,

Robert 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
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Earth Sciences
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6431 R. M. Cranwell
6431 C. P. Harlan
6431 G. F. Wilkinson

WM-RES
WM Record File
A1158
SNL

WM Project 10, 11, 16
Docket No. _____

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LPDR ✓ (B, N, S)

Distribution:

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

CONTRACTOR: Sandia National BUDGET PERIOD: 10/85 -
Laboratories 9/86

NMSS PROGRAM MANAGER: N. M. Coleman BUDGET AMOUNT: ?

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

PRINCIPAL INVESTIGATOR: G. F. Wilkinson FTS PHONE: 844-0074

PROJECT OBJECTIVE

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

ACTIVITIES DURING DECEMBER 1985

A meeting was held between Paul Davis, Dick Codell, Mal Knapp, and Bill Ott in Silver Spring, Maryland on December 13 to discuss Sandia's comments on NRC's draft technical position on ground-water travel time. This meeting was held while Mr. Davis was at NRC to discuss another NRC project and, therefore, no travel expenses were charged to A-1158.

PROGRAM: Technology Transfer

FIN#: A-1158
Task II

CONTRACTOR: Sandia National
Laboratories

BUDGET PERIOD: 10/85 -
9/86

NMSS PROGRAM MANAGER: N. M. Coleman BUDGET AMOUNT: ?

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

PRINCIPAL INVESTIGATOR: G. F. Wilkinson FTS PHONE: 844-0074

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 DECEMBER 1985

During the last week in December, the CYBER76 was removed from the Sandia computer system, and at present, the secure partition is being restructured. All of the QUALIB files are intact on the open partition and are backed-up for protection.

In a telephone conversation on December 16, 1985, the NMSS Project Manager (PM) advised that the 189 was undergoing review in program support and has not yet been transmitted to Sandia.

TOUGH

We recently received a copy of the draft TOUGH user's guide and are currently performing an in-depth review. We expect to provide comments on the document to Dr. Pruess by mid-January.

A-1158, Task II
 0976.010
 December 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)	1.0	2.9
II. Direct Loaded Labor Costs	6.0	25.0
Materials and Services	0.0	0.0
ADP Support (computer)	1.0	1.0
Subcontracts	-27.0	-28.0
Travel	0.0	0.0
Other	0.0	0.0
TOTAL COSTS	-20.0	-2.0

Other = rounding approximation
 by computer

III. Funding Status

Prior FY Carryover	FY86 Projected Funding Level	FY86 Funds Received to Date	FY86 Funding Balance Needed
107K	To be determined	None	To be determined

A-1158

TOTAL FOR 0976.010 and 0976.020

December 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)	1.6	3.5
II. Direct Loaded Labor Costs	11.0	30.0
Materials and Services	0.0	0.0
ADP Support (computer)	1.0	1.0
Subcontracts	-27.0	-28.0
Travel	0.0	0.0
Other	0.0	0.0
TOTAL COSTS	-15.0	3.0

Other = rounding approximation
by computer

III. Funding Status

Prior FY Carryover	FY86 Projected Funding Level	FY86 Funds Received to Date	FY86 Funding Balance Needed
150K	To be determined	None	To be determined

A-1158, Tasks I and III
 0976.020
 December 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)	0.6	0.6
II. Direct Loaded Labor Costs	5.0	5.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts	0.0	0.0
Travel	0.0	0.0
Other	<u>0.0</u>	<u>0.0</u>
TOTAL COSTS	5.0	5.0

Other = rounding approximation by computer

III. Funding Status

Prior FY Carryover	FY86 Projected Funding Level	FY86 Funds Received to Date	FY86 Funding Balance Needed
43K	To be determined	None	To be determined