

Sandia National Laboratories

Albuquerque, New Mexico 87185

April 15, 1986

WM DOCKET CONTROL
CENTER

Ms. Sandra Wastler
Repository Projects Branch
Division of Waste Management
U.S. Nuclear Regulatory Commission
7915 Eastern Avenue
Silver Spring, MD 20910

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Dear Ms. Wastler:

Enclosed is the summary of activities during March 1986 for the following tasks (A-1165): (I) Assisting in the Development of the Licensing Assessment Methodology (II) Monitor and Review Aspects of DOE programs; (III) Identifying Techniques for Probability Assignments; and (IV) Short Term Technical Assistance.

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
Seth Coplan
Division of Waste Management
Hubert Miller
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

WM-RES
WM Record File
A1165
SAL

WM Project 10, 11, 16
Docket No. _____

PDR ☒

LPDR B, N, S

Distribution:

Wastler
SHH

Coplan
Plan-1-1-1-1

(Return to WM, 623-SS)

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During March, some work on source-term aspects of the LAM was carried out. In addition, we began to develop a format for the presentation of the results of status reports on individual NRC-funded tasks. Full-time work on this Task will resume on April 1.

PROGRAM: Monitor/Review Aspects of DOE
& other National and Inter-
national Waste Management
Programs

FIN#: A-1165
Task II

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

NMSS PROGRAM MANAGER: S. Wastler BUDGET AMOUNT: \$110K

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

PRINCIPAL INVESTIGATORS: R. L. Hunter FTS PHONE: 846-6337

PROJECT OBJECTIVES

To monitor and review the performance assessment aspects of DOE and other national and international waste management programs.

ACTIVITIES DURING MARCH 1986

R. M. Cranwell's review of the report "Application of Geostatistics to Nevada Nuclear Waste Site Characterization" by Y. Kim, was submitted on March 7.

PROGRAM: Probability Techniques

FIN#: A-1165
Task III

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

NMSS PROGRAM MANAGER: S. Wastler BUDGET AMOUNT: \$133K

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

PRINCIPAL INVESTIGATORS: R. L. Hunter FTS PHONE: 846-6337

PROJECT OBJECTIVES

To identify techniques for assigning probabilities to geologic processes and events.

ACTIVITIES DURING MARCH 1986

We submitted the draft of the report "Techniques for Determining Probabilities of Events and Processes Affecting the Performance of Geologic Repositories" on March 28. Work on the chapters by Holland and Cornell is continuing.

PROGRAM: Short-Term Technical Assistance FIN#: A-1165
Task IV

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

NMSS PROGRAM MANAGER: S. Wastler BUDGET AMOUNT: \$50K

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

PRINCIPAL INVESTIGATORS: R. L. Hunter FTS PHONE: 846-6337

PROJECT OBJECTIVES

To provide general technical assistance on waste-management matters on the request of the NMSS PM.

ACTIVITIES DURING MARCH 1986

No activity.

A-1165

TOTAL FOR 1183.010, 1183.020, 1183.030, 1183.040

March 1986

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)	1.1	8.1
II. Direct Loaded Labor Costs	12.0	92.0
Materials and Services	0.0	1.0
ADP Support (computer)	0.0	0.0
Subcontracts	9.0	99.0
Travel	0.0	6.0
Other	<u>0.0</u>	<u>0.0</u>
TOTAL COSTS	21.0	198.0

Other = rounding approximation
by computer

III. Funding Status

Prior FY Carryover	FY86 Projected Funding Level	FY86 Funds Received to Date	FY86 Funding Balance Needed
193K	493K	300K	None

A-1165, Task IV
 1183.040
 March 1986

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	2.9
II. Direct Loaded Labor Costs*	3.0	35.0
Materials and Services	0.0	1.0
ADP Support (computer)	0.0	0.0
Subcontracts	0.0	1.0
Travel	0.0	3.0
Other	0.0	0.0
TOTAL COSTS	3.0	40.0

Other = rounding approximation
 by computer

III. Funding Status

Prior FY Carryover	FY86 Projected Funding Level	FY86 Funds Received to Date	FY86 Funding Balance Needed
-0-	50K	50K	None

*This charge reflects work completed but not billed in February.

A-1165, Task III
 1183.030
 March 1986

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	4.3
II. Direct Loaded Labor Costs	7.0	46.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts*	4.0	55.0
Travel	0.0	1.0
Other	<u>0.0</u>	<u>0.0</u>
TOTAL COSTS	11.0	102.0

Other = rounding approximation
 by computer

III. Funding Status

Prior FY Carryover	FY86 Projected Funding Level	FY86 Funds Received to Date	FY86 Funding Balance Needed
133K	133K	None	None

*Charges were received for Callender and King.

A-1165, Task II
 1183.020
 March 1986

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	0.1
II. Direct Loaded Labor Costs	0.0	1.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts*	3.0	18.0
Travel	0.0	0.0
Other	<u>0.0</u>	<u>0.0</u>
TOTAL COSTS	3.0	19.0

Other = rounding approximation
 by computer

III. Funding Status

Prior FY Carryover	FY86 Projected Funding Level	FY86 Funds Received to Date	FY86 Funding Balance Needed
10K	110K	100K	None

*This subcontractor charge represents an accrual for EA and SCP
 reviews.

A-1165, Task I
 1183.010
 March 1986

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)	0.2	0.8
II. Direct Loaded Labor Costs	2.0	10.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts	2.0	25.0
Travel	0.0	2.0
Other	0.0	0.0
TOTAL COSTS	4.0	37.0

Other = rounding approximation
 by computer

III. Funding Status

Prior FY Carryover	FY86 Projected Funding Level	FY86 Funds Received to Date	FY86 Funding Balance Needed
50K	200K	150K	None