

Sandia National Laboratories

Albuquerque, New Mexico 87185

WM DOCKET CONTROL CENTER

February 11, 1985

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

WM-RES
WM Record File
A1165
SNL

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

Distribution:
Peeters
3/11
(Return to WM, 623-SS) Joan-Licket

Dear Ms. Peeters:

Enclosed is the summary of activities during January 1985 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
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
6430 N. R. Ortiz
6431 R. M. Cranwell
6431 R. L. Hunter
6431 M. S. Chu

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PDR WMRES EXISANL
A-1165 PDR

PROGRAM: Licensing-methodology Assistance FIN#: A-1165
Task I

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

NMSS PROGRAM MANAGER: L. A. Peeters BUDGET AMOUNT: \$150K

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

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

PROJECT OBJECTIVES

To assist in the overall development and integration of the licensing assessment methodology.

ACTIVITIES DURING JANUARY 1985

A brief review of the Golder Associates' Final Report on engineered barriers was given to L. A. Peeters during our visit to NRC, January 28 to February 1. The Integration task was discussed by J. Linnehan, L. A. Peeters, R. M. Cranwell, and R. L. Hunter.

It was concluded that rather than just summarizing future documents relating to the integration program, a more detailed review should be carried out. This review would include: (1) a summary of the document (2) what aspects of the overall performance assessment methodology the document relates to (e.g., waste package) and (3) a critique of the documents backed up with reasons and justifications for any concerns and/or criticisms. Details and final format for these reviews will be coordinated with the NRC PM.

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: 10/84-
9/85

NMSS PROGRAM MANAGER: L. A. Peeters BUDGET AMOUNT: \$86K

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 JANUARY 1985

We received the EA's and prepared draft detailed review comments in early January. R. M. Cranwell, R. L. Hunter, P. A. Davis, and M. S. Y. Chu visited NRC during the week of January 28 - February 1 to prepare final detailed and major comments on the EA's.

PROGRAM: Probability Techniques

FIN#: A-1165
Task III

CONTRACTOR: Sandia National Laboratories

BUDGET PERIOD: 10/84-
9/85

NMSS PROGRAM MANAGER: L. A. Peeters

BUDGET AMOUNT: \$202K

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 JANUARY 1985

Statements of Work (SOWs) have been initiated for distribution when the decision has been made as to the members of the expert panel.

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

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

NMSS PROGRAM MANAGER: L. A. Peeters 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 monitor and review the performance assessment aspects of DOE and other national and international waste management programs.

ACTIVITIES DURING JANUARY 1985

No activity.

A-1165, Task I
 1183.010
 January 1985

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)	0.3	2.0
II. Direct Loaded Labor Costs	3.0	19.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts	0.0	4.0
Travel	0.0	0.0
Other	<u>0.0</u>	<u>0.0</u>
TOTAL COSTS	3.0	23.0

Other = rounding approximation by computer

III. Funding Status

Prior FY Carryover	FY85 Projected Funding Level	FY85 Funds Received to Date	FY85 Funding Balance Needed
None	150K	150K	None

A-1165, Task II
 1183.020
 January 1985

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)	2.6	3.1
II. Direct Loaded Labor Costs	30.0	36.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts	2.0	4.0
Travel	0.0	0.0
Other	<u>0.0</u>	<u>0.0</u>
TOTAL COSTS	32.0	40.0

Other = rounding approximation by computer

III. Funding Status

Prior FY Carryover	FY85 Projected Funding Level	FY85 Funds Received to Date	FY85 Funding Balance Needed
36K	86K	50K	None

A-1165, Task III
 1183.030
 January 1985

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)	0.1	1.0
II. Direct Loaded Labor Costs	1.0	11.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts	0.0	0.0
Travel	1.0	1.0
Other	0.0	0.0
TOTAL COSTS	2.0	12.0

Other = rounding approximation by computer

III. Funding Status

Prior FY Carryover	FY85 Projected Funding Level	FY85 Funds Received to Date	FY85 Funding Balance Needed
52K	202K	150K	None

A-1165, Task IV
 1183.040
 January 1985

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)	0.0	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	0.0	-1.0
Travel	0.0	0.0
Other	0.0	-1.0
TOTAL COSTS	0.0	-1.0

Other = rounding approximation by computer

III. Funding Status

Prior FY Carryover	FY85 Projected Funding Level	FY85 Funds Received to Date	FY85 Funding Balance Needed
None	50K	50K	None

A-1165

TOTAL FOR 1183.010, 1183.020, 1183.030, and 1183.040

January 1985

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)	3.0	9.2
II. Direct Loaded Labor Costs	34.0	67.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts	2.0	7.0
Travel	1.0	1.0
Other	<u>0.0</u>	<u>-1.0</u>
TOTAL COSTS	37.0	74.0

Other = rounding approximation by computer

III. Funding Status

Prior FY Carryover	FY85 Projected Funding Level	FY85 Funds Received to Date	FY85 Funding Balance Needed
88K	488K	400K	None