

Sandia National Laboratories

Albuquerque, New Mexico 87185

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June 14, 1985

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Dr. Atef Elzeftawy
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 10,1416
Docket No. _____
PDR
LPDR (B, N, S)

Distribution:
Elzeftawy 3/11
Juan-ticket
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Dear Dr. Elzeftawy:

Enclosed is the summary of activities during May 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
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Division of Waste Management
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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: A. Elzeftawy 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 MAY 1985

We have begun the review and summary of four more Sandia documents on far-field performance assessment methodology.

We are continuing the preparation of the overview document that will describe the overall licensing assessment methodology (LAM) and its relationship to the licensing issues. The overview document will briefly discuss what components of the LAM are necessary, which of these have been completed and which are under development, and what codes are currently under consideration for use in consequence analysis. The 10-page summary of the overview document was discussed by Seth Coplan, Atef Elzeftawy, and Regina Hunter by telephone on May 17. The changes agreed on will be incorporated into the overview document.

A description of the LAM task will be presented at the American Nuclear Society meeting in Boston on June 11.

A semiannual review of this task was held in Silver Spring on May 10. Time was spent preparing for and attending the review during May. The results of the meeting were summarized in minutes signed by Elzeftawy and Hunter, dated May 10.

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: A. Elzeftawy 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 MAY 1985

A description of this task was included in the semi-annual review meeting on May 10.

PROGRAM: Probability Techniques

FIN#: A-1165
Task III

CONTRACTOR: Sandia National Laboratories

BUDGET PERIOD: 10/84-
9/85

NMSS PROGRAM MANAGER: A. Elzeftawy

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 MAY 1985

A substantial amount of time in May was devoted to preparation of contracts for the expert panelists and to arranging the first panel meeting. Contracts for all the expert panelists have been prepared and are in Sandia purchasing. The contracts are expected to be final before the June 6 panel meeting. There will also be a premeeting on June 5. All panelists except Allan Gutjahr are expected to attend. Dr. John Wilson, one of the hydrologists originally selected by NRC, has withdrawn his name from the panel. Dr. Gutjahr will carry out the hydrologic portion of the panel's task.

Some time was spent in May preparing for and attending the semiannual review on May 10.

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

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

NMSS PROGRAM MANAGER: A. Elzeftawy 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 MAY 1985

No activity.

A-1165, Task I
 1183.010
 May 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	4.9
II. Direct Loaded Labor Costs	8.0	52.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts	14.0	19.0
Travel	0.0	0.0
Other	<u>0.0</u>	<u>0.0</u>
TOTAL COSTS	22.0	71.0

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
 May 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)	0.2	4.5
II. Direct Loaded Labor Costs	3.0	50.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts	8.0	17.0
Travel	0.0	5.0
Other	<u>0.0</u>	<u>-1.0</u>
TOTAL COSTS	11.0	71.0

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
 May 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	2.8
II. Direct Loaded Labor Costs	4.0	31.0
Materials and Services	1.0	1.0
ADP Support (computer)	0.0	0.0
Subcontracts	1.0	2.0
Travel	0.0	1.0
Other	<u>0.0</u>	<u>1.0</u>
TOTAL COSTS	6.0	36.0

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
 May 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	0.1
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	<u>0.0</u>	<u>-1.0</u>
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

May 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)	1.1	12.3
II. Direct Loaded Labor Costs	15.0	134.0
Materials and Services	1.0	1.0
ADP Support (computer)	0.0	0.0
Subcontracts	23.0	37.0
Travel	0.0	6.0
Other	0.0	-1.0
TOTAL COSTS	39.0	177.0

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