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Sandia National Laboratories

Albuquerque, New Mexico 87185

September 13, 1985

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
SND

WM Project 10, 11, 16
Docket No. ☒
PDR ☒
LPDR ☒
Distribution: Elzeftawy
Y. S. H. Ticket
(Return to WM, 623-SS)
Sac

Dear Dr. Elzeftawy:

Enclosed is the summary of activities during August 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
6400 R. C. Cochrell
6430 N. R. Ortiz
6431 R. M. Cranwell
6431 R. L. Hunter

SEP 16 1985

WM DOCKET CONTROL
CENTER

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PDR WMRES EXISANL
A-1165 PDR

24/21

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

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

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

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

No activity.

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 AUGUST 1985

No activity.

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 AUGUST 1985

Purchase orders for contracts with Heinrich Holland and Allin Cornell are in management review at Sandia. Barring complications, their contracts should be in place by mid-October.

A draft report has been recieved from one panelist, reviewed by the Sandia PI, and returned to the panelist. Other panelists appear to be making satisfactory progress. The draft already received was 46 pages, single spaced, and appears to be on target. We can probably expect a final report of 300 to 400 typewritten pages. At this time, we foresee no difficulty in providing a first draft that includes all but the sections on seismology and geochemistry on Jan. 2.

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 AUGUST

No activity. Travel charges are for the July Task II trip to Silver Spring.

A-1165, Task I
1183.010
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)	0.1	5.8
II. Direct Loaded Labor Costs	1.0	61.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts	-6.0	26.0
Travel	0.0	1.0
Other	<u>0.0</u>	<u>-1.0</u>
TOTAL COSTS	-5.0	87.0

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
 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	4.5
II. Direct Loaded Labor Costs	0.0	48.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts	-7.0	21.0
Travel	0.0	5.0
Other	0.0	0.0
TOTAL COSTS	-7.0	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
36K	86K	50K	None

A-1165, Task III
 1183.030
 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)	0.6	4.9
II. Direct Loaded Labor Costs	6.0	54.0
Materials and Services	0.0	1.0
ADP Support (computer)	0.0	0.0
Subcontracts*	17.0	52.0
Travel	0.0	2.0
Other	0.0	-1.0
TOTAL COSTS	23.0	108.0

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

*Subcontractor charges were received from most expert panelists.

A-1165, Task IV
 1183.040
 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	0.1
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	2.0	2.0
Other	<u>0.0</u>	<u>-1.0</u>
TOTAL COSTS	2.0	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

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)	0.7	15.3
II. Direct Loaded Labor Costs	7.0	164.0
Materials and Services	0.0	1.0
ADP Support (computer)	0.0	0.0
Subcontracts	4.0	98.0
Travel	2.0	10.0
Other	<u>0.0</u>	<u>-3.0</u>
TOTAL COSTS	13.0	270.0

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