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DISTRIBUTION WM 86036
WM Project 10, 11, 16
Docket No. _____
PDR ✓
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A1165
426.1/AE/86/02/05

Distribution:
- 1 -
(Return to WM, 623-SS)

Dr. Regina Hunter
Sandia National Laboratories
Division 6431
P. O. Box 500
Albuquerque, NM 87185

SUBJECT: COMMENTS ON MONTHLY REPORT FOR FIN A-1165 (DECEMBER 1985)

Dear Dr. Hunter:

I have received your report summarizing the activities during the month of December, 1985 for FIN A-1165. I have the following comments:

1. Regarding tasks I, II, and III, please refer to my letter to you dated January 23, 1986 commenting on your last monthly report.
2. Regarding task IV, during our meeting in Washington, DC, on January 28-29, 1986, you agreed to provide me with a revised draft of NUREG/CR-4510 by February 21, 1986, which resolves NRC staff comments provided to you during the subject meeting. If you cannot meet this date, please call me immediately.

The action taken by this letter is to be considered within the scope of the current contract (FIN A-1165). No changes to cost or delivery of contracted products are authorized. Please notify me immediately if you believe this letter would result in change to cost or delivery of contract products.

Sincerely,

151

Atef Elzeftawy, Project Manager
Repository Projects Branch
Division of Waste Management
Office of Nuclear Material Safety
and Safeguards File

cc: Nestor Ortiz (SNL)

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PDR WMRES EXISANL
A-1165 PDR

WM Project _____
Docket No. _____
PDR _____
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Distribution:
(Return to WM, 623-SS)

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FROM SNL		DATE OF DOCUMENT 1/15/86		DATE RECEIVED: <i>1/16</i> 1/16/86		NO MH-85036	
TO AEIzeftawy		LTR XX		MEMO		REPORT	
		ORIG.		CC		OTHER	
		ACTION NECESSARY <input checked="" type="checkbox"/>		CONCURRENCE <input type="checkbox"/>		DATE ANSWERED 1/28	
CLASSIF		POST OFFICE		FILE CODE: 426.1		2/16	
DESCRIPTION (Must Be Unclassified) Dec 85 Report for FIN A1165		REG. NO.		REFERRED TO		DATE	
ENCLOSURES				Miller		1/16	
				AEIzeftawy		1/22	
REMARKS <i>Closed 2-6-86 letter to Regina Hunter</i>							

Sandia National Laboratories

WM DOCKET CONTROL
CENTER

Albuquerque, New Mexico 87185

January 15, 1986

'86 JAN 15 P12:23

Dr. Atef Elzeftawy
Repository Projects Branch
Division of Waste Management
U.S. Nuclear Regulatory Commission
7915 Eastern Avenue
Silver Spring, MD 20910

Dear Dr. Elzeftawy:

Enclosed is the summary of activities during December 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
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
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WM Project 10, 11, 16
Docket No. _____
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Distribution:

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NSE-II
(Return to WM, 623-SS) Sac

[illegible]

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

NMSS PROGRAM MANAGER: **A. Elzeftawy** **BUDGET AMOUNT: \$215K**

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 DECEMBER 1985

No activity. Costs reported reflect previous activity on this project.

A-1165, Task I
 1183.010
 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)	0.1	0.6
II. Direct Loaded Labor Costs	0.0	7.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts	0.0	20.0
Travel	2.0	2.0
Other	1.0	0.0
TOTAL COSTS	3.0	29.0

Other = rounding approximation
 by computer

III. Funding Status

Prior FY Carryover	FY86 Projected Funding Level	FY86 Funds Received to Date	FY86 Funding Balance Needed
65K	215K	None	150K

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: A. Elzeftawy 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 DECEMBER 1985

No activity.

A-1165, Task II
 1183.020
 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)	0.0	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	0.0
TOTAL COSTS	0.0	0.0

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	None	100K

PROGRAM: Probability Techniques

FIN#: A-1165
Task III

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

NMSS PROGRAM MANAGER: A. Elzeftawy BUDGET AMOUNT: ?

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 DECEMBER 1985

Portions of one chapter have not yet been submitted, and the experts' revisions to other chapters were not complete before Sandia's Christmas holiday. We will complete the draft probability report and submit it as soon as possible.

A-1165, Task III
1183.030
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)	1.2	3.1
II. Direct Loaded Labor Costs	10.0	33.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts*	17.0	33.0
Travel	1.0	1.0
Other	0.0	0.0
TOTAL COSTS	28.0	67.0

Other = rounding approximation
by computer

III. Funding Status

Prior FY Carryover	FY86 Projected Funding Level	FY86 Funds Received to Date	FY86 Funding Balance Needed
70K	To be determined	None	To be determined

*Charges were received for King, Cornell, Holland, and Mann.

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

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

NMSS PROGRAM MANAGER: A. Elzeftawy BUDGET AMOUNT: ?

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 DECEMBER

We began work on the NUREG report on meeting the EPA Standard.

A-1165, Task IV
1183.040
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)	0.0	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	0.0
Travel	0.0	2.0
Other	0.0	1.0
TOTAL COSTS	0.0	4.0

Other = rounding approximation
by computer

III. Funding Status

Prior FY Carryover	FY86 Projected Funding Level	FY86 Funds Received to Date	FY86 Funding Balance Needed
48K	To be determined	None	To be determined

A-1165

TOTAL FOR 1183.010, 1183.020, 1183.030, 1183.040

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)	1.3	3.9
II. Direct Loaded Labor Costs	10.0	42.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	0.0
Subcontracts	17.0	52.0
Travel	3.0	5.0
Other	<u>1.0</u>	<u>1.0</u>
TOTAL COSTS	31.0	100.0

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	To be determined	None	To be determined