

Sandia National Laboratories

Albuquerque, New Mexico 87185

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May 11, 1984

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

WM Record File

A-1165

WM Project 10,11,16

Docket No.

(PDR) ✓

LPDR ✓ (B.N.S)

Distribution:

MTWise

John - Ticket

PHite

(Return to WM, 623-SS)

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Dear Ms. Wise:

Enclosed is the summary of activities during April 1984 for the following tasks (A-1165): (1) Coordination of NRC Research and Technical Assistance Programs; and (2) Monitor and Review Aspects of DOE programs.

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

Cal Belote

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John Randall

Health Siting & Waste Management Division

6431 R. M. Cranwell

6431 R. L. Hunter

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PDR WMRES EXISANL PDR
A-1165

PROGRAM: Coordination of NRC Research and Technical Assistance Programs Pertaining to Performance Assessment FIN#: A-1165 Task I

CONTRACTOR: Sandia National Laboratories BUDGET PERIOD: 10/83 - 9/84

NMSS PROGRAM MANAGER: M. J. Wise BUDGET AMOUNT: 30K

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

PRINCIPAL INVESTIGATORS: R. L. Hunter FTS PHONE: 846-6337
M. D. Siegel FTS PHONE: 846-5448

PROJECT OBJECTIVES

To provide a basis for coordination of NRC research and technical assistance programs pertaining to performance assessment (cf. 189 No. A-1165).

ACTIVITIES DURING APRIL 1984

R. M. Cranwell attended the first meeting of the Performance Assessment National Review Group at the Climat de France Hotel in Gaithersburg, MD, on April 18-20. The purpose of the Review Group is to evaluate existing DOE capabilities for assessing the performance of geologic high-level radioactive waste repositories. Performance measures are in terms of EPA Standards (40 CFR 191) and NRC Regulations (10 CFR 60) for the geologic disposal of high-level radioactive wastes. The initial meeting concentrated on overall safety assessment techniques. Presentations were made by Dan Egan (EPA) on assessing compliance with the EPA Standards; Dan Fehring and Mark Logsdon (NRC) on NRC Regulations, demonstration of compliance and NRC's methodologies; Carol Hanlon (DOE) on the role of performance assessment as specified by the Siting Guidelines; and representatives from each of the DOE projects at ONWI, NNWSI and BWIP.

A-1165, Task I
 1183.010
 April 1984

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	2.3
II. Direct Loaded Labor Costs	0.0	21.0
Materials and Services	0.0	0.0
ADP Support (computer)	0.0	1.0
Subcontracts	0.0	0.0
Travel	0.0	0.0
Other	<u>0.0</u>	<u>0.0</u>
TOTAL COSTS	0.0	22.0

III. Funding Status

Prior FY Carryover	FY84 Projected Funding Level	FY84 Funds Received to Date	FY84 Funding Balance Needed
30K	30K	30K	NONE

PROGRAM: Monitor/Review Aspects of DOE FIN#: A-1165
& other National and Inter- Task II
national Waste Management
Programs

CONTRACTOR: Sandia National Laboratories BUDGET PERIOD: 10/83 -
9/84
NMSS PROGRAM MANAGER: M. J. Wise BUDGET AMOUNT: 190K
CONTRACT PROGRAM MANAGER: N. R. Ortiz FTS PHONE: 844-5644
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 APRIL 1984

We completed and submitted two reviews to M. J. Wise during April. On April 6, we submitted a review of Chapter 3 of "Basalt Waste Isolation Project Review by Pacific Northwest Laboratory's Review Team."

On April 27, we submitted a review of "Fault Trees Depicting Failure of High-Level Radioactive Waste Packages" and "Event Trees Depicting Releases of Radionuclides from High-Level Radioactive Waste Packages" by The Aerospace Corporation.

A-1165, Task II
 1183.020
 April 1984

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)	0.8	2.2
II. Direct Loaded Labor Costs	8.0	23.0
Materials and Services	0.0	1.0
ADP Support (computer)	0.0	1.0
Subcontracts	-10.0	25.0
Travel	0.0	0.0
Other	0.0	1.0
TOTAL COSTS	-2.0	51.0

III. Funding Status

Prior FY Carryover	FY84 Projected Funding Level	FY84 Funds Received to Date	FY84 Funding Balance Needed
140K	190K	140K	50K

A-1165

TOTAL FOR 1183.010 and 1183.020

April 1984

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	Month	Current Year-to-Date
I. Direct Manpower (man-months of charged effort)	0.8	4.5
II. Direct Loaded Labor Costs	8.0	44.0
Materials and Services	0.0	1.0
ADP Support (computer)	0.0	2.0
Subcontracts	-10.0	25.0
Travel*	0.0	0.0
Other	<u>0.0</u>	<u>1.0</u>
TOTAL COSTS	-2.0	73.0

Other = rounding approximation by computer

III. Funding Status

Prior FY Carryover	FY84 Projected Funding Level	FY84 Funds Received to Date	FY84 Funding Balance Needed
170K	220K	170K	50K