

A1165

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Wm-16(2)

Sandia National Laboratories

Albuquerque, New Mexico 87185

WM DOCKET CONTROL
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March 15, 1987

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

Dear Ms. Wastler:

Enclosed is the summary of activities during February 1987 for
FIN# A1165. If you have any questions please feel free to
contact me at (FTS) 844-8368 or Robert Guzowski at (FTS) 844-
3583.

Sincerely,

Jeffrey S. Phillin for

Robert M. Cranwell, Supervisor
Waste Management Systems
Division 6416

RMC:6416

Enclosure

Copy to:
Office of the Director, NMSS
Attn: Program Support
Robert Browning, Director
Division of Waste Management
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6416 R. M. Cranwell
6416 R. V. Guzowski

WM-RES
WM Record File
A1165
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WM Project 10, 11, 16
Docket No. _____

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XLPDR ✓ (B.N.S.)

Distribution:

Wastler

Joan-ticket
Coplan

(Return to WM, 623-SS)

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PROGRAM: Short-Term Technical Assistance

FIN#: A-1165
Task IV

CONTRACTOR: Sandia National
Laboratories

BUDGET PERIOD: 10/86 -
9/87

NMSS PROGRAM MANAGER: S. Wastler

BUDGET AMOUNT: -?-

CONTRACT PROGRAM MANAGER: R. M. Cranwell

FTS PHONE: 844-8368

PRINCIPAL INVESTIGATORS: R. M. Cranwell
R. V. Guzowski

FTS PHONE: 844-8368
FTS PHONE: 844-3583

PROJECT OBJECTIVE

To provide general technical assistance on waste-management matters on the request of the NMSS PM.

ACTIVITIES DURING FEBRUARY 1987

R. Cranwell and R. Guzowski attended the ACRS meeting in Washington, D.C. on February 19. At this meeting, W. Kastenberg presented his review comments on the NRC document entitled "Assessing Compliance With The EPA High-Level Waste Standard: An Overview" by R.L. Hunter, R. M. Cranwell, and M. Y. S. Chu. R. Cranwell and S. Coplan responded to both Kastenberg's and ACRS panelists' comments.

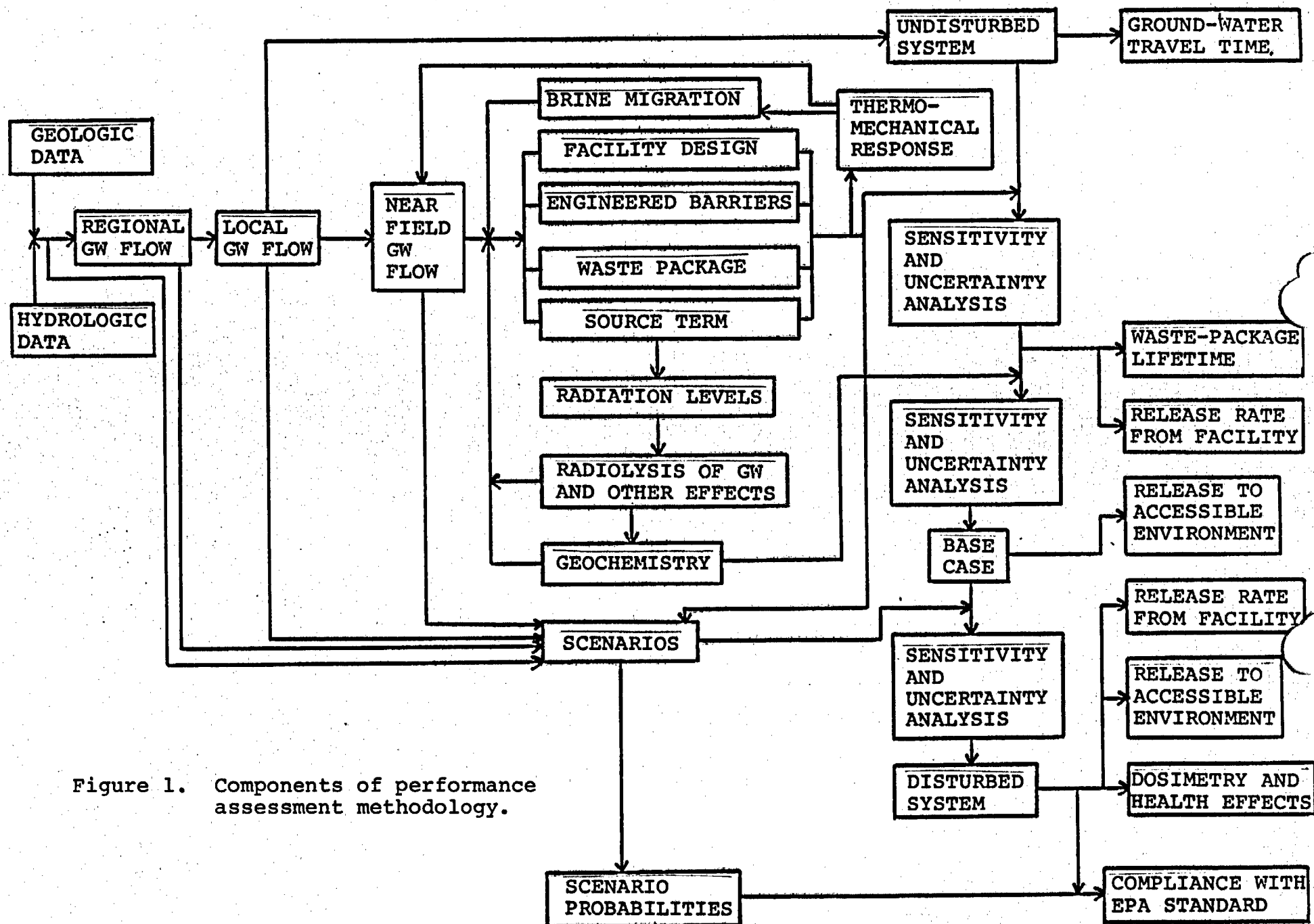


Figure 1. Components of performance assessment methodology.

PROGRAM: Monitor/Review Aspects of DOE and
Other National and International
Waste Management Programs

FIN#: A-1165
Task II

CONTRACTOR: Sandia National
Laboratories

BUDGET PERIOD: 10/86 -
9/87

NMSS PROGRAM MANAGER: S. Wastler

BUDGET AMOUNT: -?-

CONTRACT PROGRAM MANAGER: R. M. Cranwell

FTS PHONE: 844-8368

PRINCIPAL INVESTIGATORS: R. M. Cranwell
R. V. Guzowski

FTS PHONE: 844-8368
FTS PHONE: 844-3583

PROJECT OBJECTIVE

To monitor and review the performance-assessment aspects of DOE and other national and international management programs.

ACTIVITIES DURING FEBRUARY 1987

No activity.

PROGRAM: Probability Techniques

FIN#: A-1165
Task III

CONTRACTOR: Sandia National
Laboratories

BUDGET PERIOD: 10/86 -
9/87

NMSS PROGRAM MANAGER: S, Wastler

BUDGET AMOUNT: -?-

CONTRACT PROGRAM MANAGER: R. M. Cranwell

FTS PHONE: 844-8368

PRINCIPAL INVESTIGATORS: R. M. Cranwell
R. V. Guzowski

FTS PHONE: 844-8368
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PROJECT OBJECTIVE

To identify techniques for assigning probabilities to geologic processes and events.

ACTIVITIES DURING FEBRUARY 1987

During February, Sandia internal-review comments were addressed through revisions to the Task 3 portion of the A1165 189. These revisions were made early in the month, and the completed version was sent to the NRC with the January monthly.

The editing of the Geochemistry Chapter (Chapter 10) of the Probability Techniques Report will be completed in early March. This chapter will be submitted to internal Sandia review and should be ready for submittal to the NRC in the middle of March. After the submittal of this chapter, the Introduction and the Executive Summary remain to be edited, and the NRC review comments on the Geochemistry, Thermomechanical Effects, and Seismic-Hazard Assessment Chapters must be addressed. To date, the comments on the Thermomechanical Effects Chapter and the Seismic-Hazard Assessment Chapter have not been received.

PROGRAM: Licensing-Methodology Assistance

FIN#: A-1165
Task I

CONTRACTOR: Sandia National
Laboratories

BUDGET PERIOD: 10/86 -
9/87

NMSS PROGRAM MANAGER: S. Wastler

BUDGET AMOUNT: - ? -

CONTRACT PROGRAM MANAGER: R. M. Cranwell

FTS PHONE: 844-8368

PRINCIPAL INVESTIGATORS: R. M. Cranwell
R. V. Guzowski

FTS PHONE: 844-8368
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PROJECT OBJECTIVE

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

ACTIVITIES DURING FEBRUARY 1987

The 189 that accompanied the January monthly contained revisions that were made in early February in response to an internal review. On February 18, R. Cranwell and R. Guzowski met with S. Wastler and J. Lebert to review each task of the revised 189 for A1165. In addition, the topic of uncertainties in performance assessment and the need for a new task in A1165 for this area of study were discussed.

During February, a draft of Task 5 entitled "Identifying And Analyzing Techniques For Assessing Uncertainty" was written. This draft was reviewed internally at Sandia and revised accordingly. A copy of Task 5 accompanies this monthly. Revisions also were made to the figure of the components of performance assessment. A copy of this figure accompanies this monthly.

Work was begun on the interim report to summarize the status of the integration project. This report was proposed by S. Wastler during the February 18 visit as a mechanism to get input from NRC personnel on the importance and completeness of the various components and elements of the performance-assessment methodology and to determine work that has been completed or is in progress. The activities on this report so far have consisted of organizing and expanding upon the rough outlines and tables already compiled.

A-1165, Task I
1183.010
February 1987

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)	0.5 ---	1.7 ---
II. Direct Loaded Labor Costs	5	20
Materials and Services	0	5
ADP Support (computer)	0	0
Subcontracts	13	12
Travel	0	0
G&A	2	4
Other (computer roundoff)	0	0
	---	---
TOTAL COSTS	20	41

III. Funding Status

Prior FY Carryover -----	FY 87 Projected Funding Level -----	FY 87 Funds Received to Date -----	FY 87 Funding Balance Needed -----
4K	-*-	-0-	-*-

* information on funding for FY87 not available.

A-1165, Task II
1183.020
February 1987

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 ---	0.7 ---
II. Direct Loaded Labor Costs	3	9
Materials and Services	0	0
ADP Support (computer)	0	0
Subcontracts	**6	14
Travel	0	1
G&A	1	3
Other (computer roundoff)	1	-1
	---	---
TOTAL COSTS	11	26

III. Funding Status

Prior FY Carryover -----	FY 87 Projected Funding Level -----	FY 87 Funds Received to Date -----	FY 87 Funding Balance Needed -----
51	--	-0-	--

* information on funding for FY87 not available.

** these charges result from payment of invoices from work performed in previous months.

A-1165, Task III
 1183.030
 February 1987

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 ---	0.5 ---
II. Direct Loaded Labor Costs	1	5
Materials and Services	0	0
ADP Support (computer)	0	0
Subcontracts	2	6
Travel	0	1
G&A	0	0
Other (computer roundoff)	0	1
	---	---
TOTAL COSTS	3	13

III. Funding Status

Prior FY Carryover -----	FY 87 Projected Funding Level -----	FY 87 Funds Received to Date -----	FY 87 Funding Balance Needed -----
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-0-

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-0-

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* information on funding for FY87 not available

A-1165

Total for 1183.010, 1183.020, 1183.030, and 1183.040.
February 1987

THIS IS AN ESTIMATE ONLY AND MAY NOT MATCH THE INVOICES SENT TO NRC BY
SANDIA'S ACCOUNTING DEPARTMENT.

	<u>Current Month</u> -----	<u>Year -to- Date</u> -----
I. Direct Manpower (man-months of charged effort)	1.0	4.1
II. Direct Loaded Labor Costs	10	41
Materials and Services	0	5
ADP Support (computer)	0	0
Subcontracts	21	32
Travel	0	3
G&A	3	8
Other (computer roundoff)	2	2
	-----	-----
TOTAL COSTS	36	91

III. Funding Status

<u>Prior FY Carryover</u> -----	<u>FY 87 Projected Funding Level</u> -----	<u>FY 87 Funds Received to Date</u> -----	<u>FY 87 Funding Balance Needed</u> -----
\$138K	\$513K	-0-	\$375K

A-1165, Task IV
1183.040
February 1987

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	1	7
Materials and Services	0	0
ADP Support (computer)	0	0
Subcontracts	0	0
Travel	0	1
G&A	0	1
Other (computer roundoff)	1	2
	---	---
TOTAL COSTS	2	11

III. Funding Status

Prior FY Carryover -----	FY 87 Projected Funding Level -----	FY 87 Funds Received to Date -----	FY 87 Funding Balance Needed -----
8K	--*	-0-	--*

* information on funding for FY87 not available.