



Sandia National Laboratories

Operated for the U.S. Department of Energy by
Sandia Corporation

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November 15, 1996

Ms. Deborah A. Demarco
Resource Management Branch
Mail Stop 18-A23
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Ms. Demarco:

Enclosed is the October 1996 monthly report for FIN A1764. If you have any questions or comments, please feel free to contact me at (505) 848-0754.

Sincerely,

Attachments

Copy to:
NRC Fred Ross
NRC Ralph Cady
NRC John Randall
Office of the Director, NMSS, Attn: PMDA
NRC Document Control System
MS 0742 J. E. Kelly (Org. 6414)
MS 1345 2120 Monthly Report File (Org. 6416)
MS 1345 Day File (Org. 6416)

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Monthly Letter Status Report

Reporting Period	October 1996
Name and address	Environmental Risk and Decision Analysis, MS 1345 Sandia National Laboratories P.O. Box 5800 Albuquerque, NM 87185-1345
JCN	A1764, Performance Assessment Methodology Development, Low-Level Waste Disposal Safety Assessment
Principal Investigator	Paul A. Davis, (505) 848-0754
Project Period of Performance	February 1988 to December 1996

Objective

The purpose of this program is to refine and improve the performance assessment methodology developed under FIN A1764 by: (1) updating the methodology to include, as appropriate, new models and modeling methods under development at Sandia National Laboratories, other NRC-funded agencies, or other independent researchers, and (2) incorporate results developed as part of the IAEA Coordinated Research Program.

The primary goals of this project are: (1) provide ongoing support of the existing methodology and provide updates to NMSS as changes and improvements are implemented, (2) develop confidence in the methodology by participation in the IAEA NSARS project, (3) provide training on the methodology to NRC and State staff, (4) provide short-term technical assistance upon request by the NRC Program Manager, and (5) assess the feasibility of disposal of large quantities of depleted uranium as low-level waste.

Progress During Reporting Period

A. Technical Progress

Pending the re-evaluation of resources to complete this project, technical work was on hold during October.

B. Property Acquired

None.

Travel

No travel expenses were processed in October.

Anticipated or Encountered Problem Areas

None.

Plans for the Next Reporting Period

Re-evaluate project resources for finalizing the Lessons Learned NUREG contractor report.

Variance Analysis

An updated Form 189 has not been completed for this project. Upon completion, a variance analysis can be performed.

Financial Status

The spending level is at 100% of the cumulative funds received to date.

MLSR Financial Status Report

OCTOBER 1996

Job Code #: A1764 SNL Case # 2120 NRC Office: NMSS/PMDA
TITLE: PERF. ASS. METH. DEV., LOW LEVEL WASTE DISPOSAL SAFETY ASSESS.

Project Period of Performance for this report: From 10/1/96 To 11/1/96

Life of Project (from Form 189)

Proj. Start Date: 2/12/88
Proj. End Date: 12/31/96

No Cost Extension Date:

No Cost Ext Date:

Total Project Authorized Amount:	\$	1,799,000
Total Funds Obligated to Date:	\$	1,621,000
Total Current Fiscal Year Authorized Amount:	\$	0
Total Funds Obligated Current Fiscal Year:	\$	0.00

Direct Staff Effort (in FTE Months)

Current Month	Fiscal Year To Date *	Cumulative(1) Project To Date *
<u>0.00</u>	<u>0</u>	<u>6.24</u>

Current Cost Incurred Status to the Actual Dollar

	Current Month	FY97 to Date	Cumulative(1) Project to Date (starting with FY94)
Direct Labor (includes Overhead)	0.00	0.00	87,219.28
Materials and Services (inc. "Other")	0.00	0.00	106,394.59
Travel Expenses	0.00	0.00	15,694.75
Subcontracts/Consultants	0.00	0.00	400.00
General and Administrative	<u>0.00</u>	<u>0.00</u>	<u>28,395.54</u>
Subtotal	<u>0.00</u>	<u>0.00</u>	<u>238,104.16</u>
DOE Added Factor (see note below)	<u>0.00</u>	<u>0.00</u>	<u>9,206.36</u>
Total Costs (Includes DOE Added Factor)	<u>0.00</u>	<u>0.00</u>	<u>247,310.52</u>

Note: If the DOE Added Factor for Current Month is not 4.3% of the Subtotal, this JCN has a waiver from the adder. A spread sheet detailing each JCN's waiver status will be sent with the November 1996 MLSR.

Total Uncosted Amount \$ 75.67

Percentage of available cumulative funds costed	100.00%
Percentage of available current fiscal year funds costed	0.00%

Foreign Funds(2)

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- (1) Categorized amounts are cumulative from FY94 to date. Breakdown from previous FYs is not available in our system.
(2) Portion of Total Costs charged to Foreign Funds is not available in our system. If applicable, it will be covered in Financial Status section of the narrative portion of this report one month later, since our billings reports become available in our system approximately two weeks after financial costing information is available.

JCN: A1764
Date Printed: 11/7/96

PI: DAVIS, P.A.
ORG: 6416 MS1345

OCTOBER 1996

Cost Totals By Project Task

TASK

Estimated Cost

NOT YET BEING REPORTED UNTIL FURTHER DIRECTION RECEIVED FROM NRC.

**Monthly Spending Plan Update
(See Attached 189 Page 3 Format)**

(THIS FORM WILL BE ATTACHED TO THE INITIAL MLSR FOR PROPOSALS CONVERTED TO THE NRC DIRECTIVE 11.7, AND WHEN CUMULATIVE-TO-DATE COSTS VARY BY 20% OR MORE FROM PLANNED SPENDING FOR PROPOSALS WHICH ARE IN THE 11.7 FORMAT)

Overall Funding Status (in actual dollars)

FY96 Carryover to FY97	FY 97 Project Funding Level	FY 97 Funds Received to Date	FY 97 Funding Balance Needed	Projected Carryover To FY 98
Actual: \$75.67				
Plan (189): \$0	\$0	\$ 0.00	\$178,000	\$0
Total Estimated Project Amount	Total Project Cumulative Amount Obligated	Total Project Balance Needed	Total Project Cumulative Amount Costed	
\$1,799,000	\$1,621,000	\$178,000	\$1,620,924.33	

NOTE: FOR TASK ORDERING AGREEMENTS: Individual reports for Task Orders under Task-Ordering Agreements are attached for those projects which have appropriate case structures for this type of reporting.

NOTICE OF CHANGES IN FY97 RATE STRUCTURE

(attach to October 1996 MLSR for NRC information)

Please note that the rate structure at Sandia National Laboratories has changed for FY97. Rates previously contained in labor loads are now moved out of labor and into the general and administrative tax areas. Therefore, you will see labor charging out at a lower rate while taxes on the total amounts are higher. The net difference is approximately zero. However, the FY97 structure allows an extra benefit for Off-Site Subcontractor purchases and all Materials purchases by not taxing these two items. Therefore, proposals with a significant amount of Materials purchases or Off-Site Subcontractor purchases will see a lower tax rate than FY96.

DESCRIPTION OF TERMS USED IN MLSR FINANCIAL STATUS REPORT

MLSR TERM (order follows MLSR Financial Status Report Format)	HOW MLSR TERM IS COMPUTED NOTE: ALL AMOUNTS INCLUDE DOE ADDER
Total Project Authorized Amount	Life-to-date PLANNED FUNDING for the project. Sum of funds received through FY95 plus funding requested for FY96 and all subsequent fiscal years as shown on NRC Form 189.
Total Funds Obligated to Date	Life-to-date funds received at DOE for SNL.
Total Current Fiscal Year Authorized Amount	Current NRC Form 189 FY97 "Total DOE Project Cost"
Total Funds Obligated Current Fiscal Year	FY97 funds received at DOE for SNL.
Direct Staff Effort (in FTE Months)	FTE months of staff effort. SNL's financial system increments actual hours worked by @ 18% to arrive at FTE months. Since SNL's financial system averages the cumulative amount, it is multiplied by number of FY months to compute cumulative FTE months.
Total Uncosted Amount	Life-to-date funds received minus Life-to-date costs.
Percentage of Available Cumulative Funds Costed	Life-to-date costs divided by Life-to-date funds received.
Percentage of Available Current Fiscal Year Funds Costed	Current FY Costs divided by current FY funds available. Current FY funds available consists of new money received current FY plus actual carryover to FY97.
FY96 Carryover to FY97	Both the Actual Carryover and the 189 Planned Carryover from the Form 189 are shown here. However, the 189 Planned Carryover is the number used to compute the FY97 Funding Balance Needed.
FY97 Project Funding Level	Funds requested from NRC for FY97.
FY97 Funds Received to Date	See "Total funds Obligated Current Fiscal Year" above.
FY97 Funding Balance Needed	Balance of FY97 funding needed (from 189). Sum of (1) funds received through FY96, (2) FY96 funding differences from funding requested, (3) funding requested for FY 97, Minus (3) total funds received to date.
Projected Carryover to FY98	Planned carryover to FY98 (from 189).
Total Estimated Project Amount	See "Total Project Authorized Amount" above.
Total Project Cumulative Amount Obligated	See "Total Funds Obligated to Date" above.
Total Project Balance Needed	Balance of funding needed for the life of the project. Sum of (1) funds received through FY96, (2) FY96 funding differences from funding requested, (3) Funding requested FY97 and subsequent FYs (from 189), Minus (3) total funds received to date.
Total Project Cumulative Amount Costed	Life-to-date costs for the project.