



Lawrence Livermore National Laboratory

NUCLEAR SYSTEMS SAFETY PROGRAM
RARE 85-132

August 9, 1985

Ms. Sarah M. Davis
Reliability and Risk Assessment Branch
Division of Safety Technology
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUBJECT: Monthly Management Letter #14
Month of June 1985
NRC FIN-A0801
Review of the Seabrook Probabilistic Risk Assessment

Dear Ms. Davis:

1. Project Description and Objective

The Office of Nuclear Reactor Regulation is conducting a probabilistic risk assessment (PRA) review program in which PRAs performed and submitted to the NRC by license applicants and licensees receive comprehensive review and evaluation. The program is the responsibility of the Reliability and Risk Assessment Branch (RRAB).

A PRA of the Seabrook Nuclear Power Plant (Seabrook PRA) has been submitted to the NRC by Public Service Company of New Hampshire, an operating license (OL) applicant. The review of this document, whose title is "Seabrook Station Probabilistic Safety Assessment," is being performed as one project in the larger NRC program.

The objective of this project is to perform an expeditious and cost effective review of those aspects of the Seabrook PRA leading to the estimates of the frequencies of each plant damage state and the associated uncertainty spread to determine the accuracy of these estimates. The review will cover methodology, assumptions, data, information sources, models, plant understanding, completeness of the analysis and other areas where inconsistencies may arise which could affect the quantitative or qualitative results.

2. Progress for Period

None.

3. Work to be Accomplished Next Month

None.

FOIA-87-006

B/52

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PDR FOIA
SHOLLY87-6 PDR

4. List of Subcontractors and Consultants

a. Subcontractors

- (1) Applied Risk Technology Corporation (ARTECH); P. J. Amico
- (2) Jack R. Benjamin and Associates, Inc. (JBA); J. W. Reed, M. W. McCann, Jr.

b. Consultants

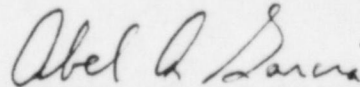
- (1) P. R. Davis

5. Concerns

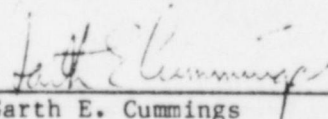
None.

6. Other

- a. The \$28,900 lien shown on Attachment A appears on this report because of procedural requirements for contract accounting. Their funds have not and will not be spent.
- b. A revised Attachment A for the May 1985 Monthly Management Letter is provided as Attachment C to this letter. It contains minor corrections made necessary by an ADP error.



Abel A. Garcia
Principal Investigator



Garth E. Cummings
Program Leader
Nuclear Systems Safety Program

Enclosures (3)

Distribution:

NRC

R. Frahm, DST
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A. C. Thadani, DST

DOE

W. J. Gallagher

LLNL

G. E. Cummings
J. M. Johnson
C. A. Meier *CM*

ATTACHMENT A

ESTIMATED PROJECT FINANCIAL STATUS:*
(Figures given in thousands.)

Jun-85

FIN A0801

Summary

Cost Analysis:*	Jun-85	Year to Date
I Direct Staff Effort (FTE's)	0.0	1.1 **
II Direct Labor Costs	0.0	43.0
Material & Services	0.0	0.4
ADP Support	0.0	0.0
Subcontracts	0.0	56.5
Travel Expenses	0.0	2.4
Indirect Labor Costs	-0.7	42.8
Other (Recharge)	0.0	4.5
Other (FY84 Unbilled Costs)	0.0	0.0
General & Administrative	0.1	22.5
Total Costs	-0.6	172.1
Liens	28.9	28.9
Total Costs & Liens	28.3	201.0
Percentage of Available Funds		116.9%

III Funding Status

Prior Year Carryover	FY 1985 Projected Funding Level	FY 1985 Funds Rec'd to Date	FY 1985 Funding Bal. Needed
121.9	171.9	50.0	90.0

* Note: These figures are for cost analysis only, and may differ slightly from final billing figures.

** FTE average.

ATTACHMENT B

FEE RECOVERY COST STATUS

FIN: A0801

TITLE: Review of the Probabilistic Risk Assessment for the Seabrook
Nuclear Power Plant

PERIOD: June 1985

<u>Facility Name</u>	<u>Docket Number</u>	<u>Costs</u>	
		<u>Period</u>	<u>Cumulative</u>
Seabrook	50-443	(\$ 0.6K)	\$201.0K
Common Costs	50-900	\$ 0.0	0.0
Total Expenses		<u>(\$ 0.8K)</u>	<u>\$201.0K</u>

REVISED ATTACHMENT A TO RARE 85-114

ESTIMATED PROJECT FINANCIAL STATUS:*
(Figures given in thousands.)

May-85

FIN A0801

Summary

Cost Analysis:*	May-85	Year to Date
I Direct Staff Effort (FTE's)	0.0	1.1 **
II Direct Labor Costs	0.0	43.0
Material & Services	0.0	0.4
ADP Support	0.0	0.0
Subcontracts	0.8	56.5
Travel Expenses	0.0	2.4
Indirect Labor Costs	0.0	43.5
Other (Recharge)	0.0	4.5
Other (FY84 Unbilled Costs)	0.0	0.0
General & Administrative	0.0	22.4
Total Costs	0.8	172.7
Liens	28.9	28.9
Total Costs & Liens	29.7	201.6
Percentage of Available Funds		117.3%

III Funding Status

Prior Year Carryover	FY 1985 Projected Funding Level	FY 1985 Funds Rec'd to Date	FY 1985 Funding Bal. Needed
121.9	171.9	50.0	90.0

* Note: These figures are for cost analysis only, and may differ slightly from final billing figures.

** FTE average.