



BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.

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Department of Nuclear Energy

May 16, 1984

Dr. A. C. Thadani, Chief
Reliability and Risk Assessment Branch
Division of Safety Technology
Office of Nuclear Reactor Regulation
Mail Stop P-216
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Dr. Thadani:

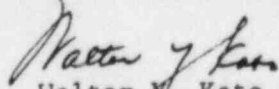
Enclosed is the April monthly report for the activities sponsored by your Branch. Also included are the computerized budget summaries and the fee recovery cost status for each program requiring it. I would suggest that you and your staff review the reports to determine whether there are any discrepancies. If there are, please notify the principal investigator.

Please note that the funds allocated for FIN A-3740 are spent and that the NRC project office was informed of this May 10, 1984 as required by revised Manual C. 102, dated September 24, 1982. Please send the balance of expected funds so that the level of effort may continue without interruption.

The total amount of unbilled costs through April for FIN A-3740 is \$9,495, which will be billed to NRC when the expected funds are received.

We hope this meets with your approval. If there are any questions regarding format, distribution, or budget reporting, please contact Mr. A. J. Weiss, Administrative Technical Assistant, FTS 666-4473.

Sincerely yours,


Walter Y. Kato
Deputy Chairman

WYK/jw

Enclosures

cc: R. A. Bari, BNL
F. Coffman, NRC
T. L. DiGaloma, NRC
R. Frahm, NRC
R. E. Hall, BNL
F. Rowsome, NRC
J. Veillette, NRC
A. J. Weiss, BNL
NRC Technical Monitors
BNL Technical Monitor

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Division of Safety Technology - NRR

April 1984

<u>FIN No.</u>	<u>Total Projected Project Cost (\$K)</u>	<u>Funds Obligated To Date (\$K)</u>	<u>Balance of Funds (\$K)</u>		
			<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1986</u>
A-3366	436	431	0	5	
A-3725	1000	950	50		
A-3728	330	330	0		
A-3740	284	170	114		
A-3758	405	375	0	30	
A-3770	75	0	70	5	

MONTHLY HIGHLIGHTS FOR APRIL 1984

"Review of the Probabilistic Risk Assessment for the
Shoreham Nuclear Power Plant"

(FIN A-3740)

BNL Principal Investigator: I. A. Papazoglou (FTS 666-2435)
NRC Program Manager: A. Thadani, Reliability and Risk Assessment
Branch
NRC Technical Monitor: Ed Chow, Reliability and Risk Assessment Branch

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1. Scope/Purpose

The purpose of this project is to review those aspects of the Shoreham PRA leading to the estimates of the frequencies of the accident sequences resulting in a "core vulnerable" state and to determine the accuracy of these estimates.

2. Schedule/Milestones

A letter of the findings will be submitted to NRC at the completion of each task according to the following schedule.

Task 1: Draft Report	4/15/84
Task 2: Questions to the Applicant	11/31/83
Task 3: Final Report	Two months after receiving final comments by NRC and licensee.

3. Progress to Date

The quantitative review of event trees continued. The core damage tree for the LOSP event is under development and quantification using the SETS code, has been initiated. Core damage trees for other transient events are under development.

A final report for the review of the Shoreham Internal Flood PRA was completed and submitted to NRC.

4. Problems and Delays

Owing to delays caused by the extra time devoted to the review of the "flood-initiator", the diversion of key personnel's time to other RRAB projects with higher priority and the lack of response to our Q-1 questions, the completion date for Task 1 must be redefined.

There is still a competing demand for the time of the key personnel by other RRAB projects of higher priority (FIN A-3366 and A-3758). It is, therefore, proposed to stop work on the Shoreham PRA for a period of six weeks resume work on or about June 15, 1984 and complete Task 1 by September 30, 1984.

5. Next Reporting Period

No work is planned for next reporting period.

F I N A N C I A L S T A T U S

APRIL 1984

ACCOUNT
004197

T I T L E
SHOREHAM PRA REVIEW

NRC FIN
A-3740

SUPERVISOR : RB

PRINCIPAL INVESTIGATOR : PAFAZOGLU I.

	CURR MO EXP	YTD EXPENSE	% FUNDS REC'D
DIRECT SALARIES :	15,038.	94,251.	
TRAVEL EXPENSES :	856.	3,613.	
MATERIAL & SERVICES :	137.	3,181.	
SUBCONTRACTS :	0.	0.	
ADP SUPPORT :	924.	2,347.	
INDIRECT SALARIES :	2,680.	14,845.	
OVERHEAD :	6,003.	47,848.	
TOTAL :	25,618.	165,915.	100
FUNDS RECEIVED			
156,419.			

FEE RECOVERY COST STATUS

FIN: A-3740

TITLE: SHOREHAM PRA REVIEW

PERIOD: APRIL 1984

TASK/PLANT		\$ PERIOD	\$ FY84 CUMULATIVE
A Shoreham	Docket 50-322	25,618	165,915