



BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.

Upton, Long Island, New York 11973

(516) 282-
FTS 666/2444

Department of Nuclear Energy

April 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 March 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.

Note that the funds allocated for FIN A-3740 are nearly spent and that the NRC program office was informed of this April 13, 1984 as required by revised Manual Chapter 1102, dated September 24, 1982. Please send the balance of expected funds so that the level of effort may continue without interruption.

The funds received for FIN A-3366, as shown on the financial status page, do not reflect the additional \$101,000 received in April. The total amount of unbilled costs through March is \$10,987, which will be billed to NRC in April.

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
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

March 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	230	90	10	
A-3740	284	170	114		
A-3758	405	375	0	30	
A-3770	75	0	70	5	

MONTHLY HIGHLIGHTS FOR MARCH 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 review of the Shoreham internal flood PRA was completed. A re-assessment was performed by BNL to quantify the core vulnerable frequency caused by internal floods. A letter report documenting the findings was submitted to the NRC on March 16, 1984. The review of the functional event trees continued. Quantitative review of the event trees was initiated.

4. Problems and Delays

Owing to the delays in receiving the Q-1 responses from LILCO and the substantial resources required for the review of the flood analysis, BNL anticipates delay in the submittal of the final draft. LILCO indicated that preliminary information could be forwarded to BNL by early April.

5. Next Reporting Period

Quantitative review of the transient event trees will be completed.

FINANCIAL STATUS

MARCH 1984

ACCOUNT
004197

T I T L E
SHOREHAM PRA REVIEW

NRC FIN
A-3740

SUPERVISOR : RB

PRINCIPAL INVESTIGATOR : PAPAZOGLU I.

	CURR MO EXP	YTD EXPENSE	% FUNDS REC'D
DIRECT SALARIES :	18,345.	79,243.	
TRAVEL EXPENSES :	0.	2,757.	
MATERIAL & SERVICES :	1,879.	3,044.	
SUBCONTRACTS :	0.	0.	
ADP SUPPORT :	349.	1,423.	
INDIRECT SALARIES :	3,150.	11,985.	
OVERHEAD :	10,107.	41,845.	
TOTAL :	33,830.	140,297.	90

FUNDS RECEIVED
156,419.

FEE RECOVERY COST STATUS

FIN: A-3740

TITLE: SHOREHAM PRA REVIEW

PERIOD: MARCH 1984

TASK/PLANT		\$ PERIOD	\$ FY84 CUMULATIVE
A Shoreham	Docket 50-322	33,830.	140,297.