



BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.

Upton, Long Island, New York 11973

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FTS 666

Department of Nuclear Energy

March 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 February 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-3366 are nearly spent and that the NRC program office was informed of this March 15, 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.

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
D. J. Corley, 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

February 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	330	81	25	
A-3725	1000	650	350		
A-3728	330	230	90	10	
A-3740	270	170	100		
A-3758	405	375	0	30	

MONTHLY HIGHLIGHTS FOR FEBRUARY 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 and modification of support system event trees continued. The system fault trees received from LILCO (on magnetic tape) have been loaded to the BNL computer system. The review of the internal flood event trees was initiated. A list of alarm-response procedures required for the review of the internal flood event has been requested from LILCO by phone. A meeting with LILCO personnel on the internal flood event trees has been scheduled for March 8, 1984.

4. Problems and Delays

None.

5. Next Reporting Period

The development of core damage fault trees will be continued. Quantitative evaluation using the core damage trees will be initiated. Review of the internal flood will be completed.

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

FEBRUARY 1984

ACCOUNT
004197

T I T L E
SHOREHAM PRA REVIEW

NRU FIN
A-3740

SUPERVISOR : RB

PRINCIPAL INVESTIGATOR : PAPAZOGLOU I.

	CURR MD EXP	YTD EXPENSE	% FUNDS REC'D
DIRECT SALARIES :	14,915.	50,898.	
TRAVEL EXPENSES :	0.	2,757.	
MATERIAL & SERVICES :	370.	1,185.	
SUBCONTRACTS :	0.	0.	
ADP SUPPORT :	352.	1,074.	
INDIRECT SALARIES :	2,485.	8,835.	
OVERHEAD :	7,741.	31,737.	
TOTAL :	25,863.	106,486.	68
FUNDS RECEIVED			
156,419.			

FEE RECOVERY COST STATUS

FIN: A-3740

TITLE: SHOREHAM PRA REVIEW

PERIOD: FEBRUARY 1984

TASK/PLANT		\$ PERIOD	\$ FIDEL
A	Shoreham	Docket 50-322	25,863
			106,466