



BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.

Upton, Long Island, New York 11973

Department of Nuclear Energy

December 20, 1983

(516) 282-2444
FTS 666

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 November 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 spent and that the NRC program office was informed of this December 16, 1983 as required by revised Manual Chapter 1102, dated September 24, 1982. Funds for A-3366 transmitted in work order #20-84-133 have not been accepted by BNL due to the level of effort estimated to do the work; discussions are under way between the NRC Program Manager and the BNL Principal Investigator to resolve the issue.

The funds received for FIN A-3740 as shown on the financial status page, does not reflect the additional \$120,000 received in December.

The total amount of unbilled costs through November for FINs A-3366 and A-3740 are \$7,024 and \$9,069 respectively, which will be billed to NRC in December.

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
R. Frahm, NRC
B. L. Grenier, 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

November 1983

<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	411	275	136		
A-3393	-	549	-		
A-3725	1000	650	350		
A-3726	70	70	0		
A-3728	330	230	90	10	
A-3729	45	40	5		
A-3740	270	50	220		

MONTHLY HIGHLIGHTS FOR NOVEMBER 1983

"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

Qualitative review of the event tree was initiated. Review of the initiator and system fault tree was completed. A number of the documents requested by BNL to facilitate the PRA review, such as, the FSAR and Tech. Spec., were received. Questions to the applicants were generated.

4. Problems and Delays

None.

5. Next Reporting Period

The qualitative review of the event trees will continue. System success criteria will be examined. The questions to the applicant will be sent to the staff.

FINANCIAL STATUS

NOVEMBER 1983

ACCOUNT T I T L E
004197 SHOREHAM PRA REVIEW

NRC FIN
A-3740

SUPERVISOR : RB

PRINCIPAL INVESTIGATOR : PAPAZOGLOU I.

	CURR MO EXP	YTD EXPENSE	% FUNDS REC'D
DIRECT SALARIES :	10,512.	25,014.	
TRAVEL EXPENSES :	1,921.	2,757.	
MATERIAL & SERVICES :	204.	494.	
SUBCONTRACTS :	0.	0.	
ADP SUPPORT :	95.	506.	
INDIRECT SALARIES :	1,300.	3,200.	
OVERHEAD :	5,931.	13,519.	
TOTAL :	19,963.	45,470.	125
FUNDS RECEIVED			
36,419.			

FEE RECOVERY COST STATUS

FIN: A-3740

TITLE: SHOREHAM PRA REVIEW

PERIOD: NOVEMBER 1983

TASK/PLANT		\$ PERIOD	\$ FY84 CUMULATIVE
A Shoreham	Docket 50-322	19,963.	45,490.