



BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.

Upton, Long Island, New York 11973

Department of Nuclear Energy

(516) 282-2444
FTS 666

November 17, 1983

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 October 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 November 14, 1983 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 FINs A-3313, A-3725 and A-3728, as shown on the financial status pages, do not reflect the additional \$10,000, \$400,000 and \$120,000 received in November for these programs, respectively.

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
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

October 1983

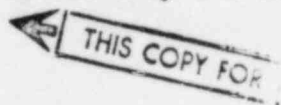
<u>FIN No.</u>	<u>Total Projected Project Cost (\$K)</u>	<u>Funds Obligated To Date (\$K)</u>	<u>Balance of Funds (\$K)</u>		
			<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1986</u>
A-3366	411	275	136		
A-3393	539	539	0		
A-3725	1000	250	750		
A-3726	-	70	-		
A-3728	330	110	210	10	
A-3729	45	40	5		
A-3740	270	50	220		

MONTHLY HIGHLIGHTS FOR OCTOBER 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



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

A tentative review schedule was defined. Review of the accident initiators with regard to completeness and their frequencies was initiated. A qualitative examination of the system fault tree has also began.

4. Problems and Delays

None.

5. Next Reporting Period

The questions to the applicant will be generated and submitted to the staff. Review of the initiators and system fault trees will continue. Qualitative review of event trees will be initiated.

FINANCIAL STATUS

OCTOBER 1983

ACCOUNT
004197

T I T L E
SHOREHAM PRA REVIEW

NRC FIN
A-3740

SUPERVISOR : RB

PRINCIPAL INVESTIGATOR : PAPAZOGLOU I

	CURR MO EXP	YTD EXPENSE	% FUNDS REC'D
DIRECT SALARIES :	14,502.	14,502.	
TRAVEL EXPENSES :	538.	538.	
MATERIAL & SERVICES :	270.	270.	
SUBCONTRACTS :	0.	0.	
ADP SUPPORT :	411.	411.	
INDIRECT SALARIES :	1,900.	1,900.	
OVERHEAD :	7,587.	7,587.	
TOTAL :	25,526.	25,526.	70

FUNDS RECEIVED
36,419.

$$\text{Balance} = 36419 - 25526 \\ = 10893$$

FEE RECOVERY COST STATUS

FIR: A-3740

TITLE: SHOREHAM PRA REVIEW

PERIOD: OCTOBER 1983

TASK/PLANT		\$	\$ FT
		PERIOD	CUMUL
A Shoreham	Docket 50-322	25,526.	25,526.