



BROOKHAVEN NATIONAL LABORATORY  
ASSOCIATED UNIVERSITIES, INC.

Upton, Long Island, New York 11973

Department of Nuclear Energy

(516) 282-  
FTS 666/ 2444

October 19, 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 September 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.

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  
J. Halvorsen, NRC  
F. Rowsome, NRC  
A. J. Weiss, BNL

NRC Technical Monitors  
BNL Technical Monitors

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PDR FOIA  
BELAIR85-199 PDR

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Division of Safety Technology - NRR

September 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 1985</u>	<u>FY 1986</u>
A-3366	490	490	0	
A-3725	1000	1000	0	
A-3728	330	330	0	
A-3740	284	284	0	
A-3758	405	375	30	
A-3770	75	75	0	
A-3777	400	172	228	
A-3780	150	150	0	
A-3785	42	42	0	

MONTHLY HIGHLIGHTS FOR SEPTEMBER 1984

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

(FIN A-3740)

BNL Principal Investigator: R. Youngblood (FTS 666-2363)  
NRC Program Manager: A. Thadani (FTS 492-4705) RRAB  
NRC Technical Monitor: Ed Chow (FTS 492-4727) RRAB

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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	10/15/84
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 the LOOP time-phased event trees was completed. The reviews ATWS of event trees and Reactor Water Level Instrument Failure event trees are in progress. One chapter of the draft report was prepared. Several others will be prepared next month.

4. Problems and Delays

By agreement with NRR, the completion date for Task 1 has been set at October 15, 1984. A one month extension is asked for completion of Task 1.

5. Next Reporting Period

The review of the Shoreham PRA will continue until the end of next month. A large part of the draft report will be prepared.

# F I N A N C I A L   S T A T U S

SEPTEMBER 1984

ACCOUNT  
004197

T I T L E  
SHOREHAM PRA REVIEW

NRC FIN  
A-3740

SUPERVISOR : RB

PRINCIPAL INVESTIGATOR : YOUNGBLOOD R.

	CURR MO EXP	YTD EXPENSE	% FUNDS REC'D
DIRECT SALARIES :	4,772.	124,788.	
TRAVEL EXPENSES :	0.	4,203.	
MATERIAL & SERVICES :	68.	3,886.	
SUBCONTRACTS :	0.	0.	
ADP SUPPORT :	157.	3,953.	
INDIRECT SALARIES :	315.	17,978.	
OVERHEAD :	2,140.	62,664.	
TOTAL :	7,452.	217,472.	80

FUNDS RECEIVED  
270,419.

# FEE RECOVERY COST STATUS

FIN: A-3740

TITLE: SHOREHAM PRA REVIEW

PERIOD: SEPTEMBER 1984

TASK/PLANT		\$ PERIOD	\$ FY84 CUMULATIVE
-A	Shoreham Docket 50-322	7,452.	217,471.
TOTALS :		7,452.	217,471.