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BROOKHAVEN NATIONAL LABORATORY  
ASSOCIATED UNIVERSITIES, INC.

Upton, Long Island, New York 11973

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FTS 666

Department of Nuclear Energy

December 16, 1983

Mr. Warren Lyon  
Reactor Systems Branch  
Division of Systems Integration  
Office of Nuclear Reactor Regulation  
Mail Stop P-1132  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Lyon:

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. 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*  
Walter Y. Kato  
Deputy Chairman

WYK/jw

Enclosures

- cc: R. Bari, BNL
- S. M. Boyd, NRC
- B. L. Grenier, NRC
- R. Hall, BNL
- W. Houston, NRC
- J. Rosenthal, NRC
- B. Sheron, NRC
- A. J. Weiss, BNL
- BNL Technical Monitor

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MONTHLY HIGHLIGHTS FOR NOVEMBER 1983

"Safety Evaluation of Core-Melt Accidents:  
CESSAR-FDA, Westinghouse Standard Plant-FDA"

(FIN A-3705)

BNL Principal Investigator: W. T. Pratt (FTS 666-2630)

NRC Project Manager: W. Lyon (FTS 492-9405), RS Branch

1. Scope/Purpose:

The scope of this work will be limited to addressing immediate NRC/NRR licensing concerns using the state-of-the-art codes and the analyses and experimental data developed from NRC/RES and other R&D programs. The analyses provided under this contract will form the basis for the licensing decisions required on the Westinghouse Standard Plant, FDA (PRA portion) and the CESSAR-System 80 FDA review (PRA portion) with respect to severe accident considerations.

2. Work Performed During Period:

Work on this contract continues at a relatively low level of effort in Subtasks I.A, I.B, I.C, II.A, II.B, and III.A, which are related to the acquisition, maintenance and development of pertinent computer codes and to providing cognizance of the IDCOR program.

3. Problems/Delays:

None.

4. Summary of Progress to Date/Milestones:

No problem areas.

5. Next Reporting Period:

Work will continue.

FEE RECOVERY COST STATUS

FIN: A-3705

TITLE: SAFETY EVAL.OF CORE MELT ACCID.CESSAR-FDA

PERIOD: NOVEMBER 1983

TASK/PLANT			\$ PERIOD	\$ FTE + COMPLINT
A	Task 1:Cessar-80	Docket 50-470	6,705.	10,728.
B	Task 1:Westinghouse Adv	Docket 50-888	4,975.	8,898.
Z	Generic		1,260	1,743.

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MONTHLY HIGHLIGHTS FOR NOVEMBER 1983

"Safety Evaluation of Core-Melt Accidents:  
Indian Point-OR and Zion-OR"

(FIN A-3712)

BNL Principal Investigator: W. T. Pratt (FTS 666-2630)

NRC Project Manager: W. Lyon (FTS 492-9405), RS Branch

1. Scope/Purpose:

The scope of this work will be limited to addressing immediate NRC/NRR licensing concerns using the state-of-the-art codes and the analyses and experimental data developed from NRC/RES and other R&D programs. The analyses provided under this contract helped form the basis for positions taken by the NRC staff as related to questions raised by the Commission, hearing board and intervenors as part of the Indian Point Hearing. Also, the analyses will provide input to the NRC staff's review of the Indian Point Probabilistic Safety Study (IPPSS) and the Zion Probabilistic Safety Study (ZPSS):

2. Work Performed During Period:

The final draft of the summary report on the ZPSS review has been completed and sent to NRC.

Several IDCOR documents were reviewed in preparation for the first NRC/IDCOR Technical Exchange meeting.

3. Problems/Delays:

None.

4. Summary of Progress to Date/Milestones:

The milestone for completing the final version of NUREG/CR-3300 has been amended to allow for the additional assistance discussed above in Item 2.

5. Next Reporting Period:

Work will continue.

FEE RECOVERY COST STATUS

FIN. A-3712

TITLE: CORE MELT ACC...INDIAN PT, ZION

PERIOD: NOVEMBER 1983

	TASK/PLANT		\$ PERIOD	\$ FTR- CUMULATIVE
H	Task 4: Zion 1	Docket 50-295 Tac 41044	5,445.	11,450
Z	Generic		2,008.	3,131.

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Division of Systems Integration - 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-3705

600

200

160

240