

FEB 17 1977

MEMORANDUM FOR: D. B. Vassallo, Assistant Director for Light Water Reactors, DPM

FROM: D. F. Ross, Assistant Director for Reactor Safety, DSS

SUBJECT: REQUEST FOR FURTHER INFORMATION, TMI-2

Plant Name: Three Mile Island, Unit 2
 Docket Number: 50-320
 Milestone Number: 27-24
 Licensing Stage: OL
 Responsible Branch and Project Manager: LWR 4
 H. Silver
 Systems Safety Branch Involved: Core Performance Branch
 Description of Review: Supplemental Questions
 Requested Completion Date: NA
 Review Status: Complete

The Physics Section of the Core Performance Branch has prepared the enclosed supplemental question for Three Mile Island, Unit 2.

Original signed by
 D. F. Ross

Denwood F. Ross, Jr., Assistant Director
 for Reactor Safety
 Division of Systems Safety

Enclosure: As stated

- cc: S. Hanauer
- R. Haineman
- R. Boyd
- F. Schroeder
- S. Varga
- H. Silver
- D. Ross
- P. Check
- W. McDonald
- D. Fierno

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DATE		2/16/77	2/16/77	2/16/77	2/1/77

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Enclosure

Supplemental Question for Three Mile Island 2

232.1 A recent submittal by B&W (Amendment 2 to the PSAR of BSAR-205, Docket No. 50-561) indicates that the scram reactivity function employed in the safety analyses for TMI-2 may have been non-conservative. In particular the measured curve of reactivity inserted as a function of fractional control rod insertion may have been non-conservative with respect to the curve used in safety analysis. Provide information to show that reactivity inserted as a function of time as assumed in the safety analysis is consistent with the recent measurements or provide reanalyses of transients and accidents which are affected by scram reactivity insertion time.

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