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FEB 14 1977

Docket No. 50-346

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

FROM: R. Tedesco, Assistant Director for Plant Systems, DSS

SUBJECT: FIRST SUPPLEMENT TO THE SAFETY EVALUATION REPORT FOR DAVIS BESSE UNIT 1

Plant Name: Davis Besse Nuclear Power Station, Unit 1
 Docket Number: 50-346
 Licensing Stage: OL
 NSSS Supplier: Babcock and Wilcox
 Containment Type: Dual
 Architect Engineer: Bechtel
 Responsible Branch and Project Manager: LWR-4; L. Engle
 Review Status: Complete
 Requested Completion Date: N/S
 Applicant's Response Date: N/S

Enclosed is Supplement 1 to the Safety Evaluation Report for the Davis Besse Nuclear Power Station, Unit 1, prepared by the Containment Systems Branch. The applicant has provided additional information since the issuance of the Safety Evaluation Report, dated December 1976, in Revision 26 to the Final Safety Analysis Report. In addition, the Mechanical Engineering Branch has accepted the postulated hot leg pipe rupture for the reactor cavity analysis. Based on our review of this information, we conclude that the design of the containment subcompartments and the secondary containment functional design are acceptable.

The environmental qualifications of safety related equipment following a main steam line break accident will be handled on a generic basis. If problems develop regarding environmental qualification for other Babcock and Wilcox plants, for example Davis Besse Units 2 and 3, the main steam line break accident will be reopened on Davis Besse Unit 1.

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NSAID 4

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8002050737

D. Vassallo

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There are no outstanding areas of review in Section 6.2 of the Davis Besse Unit 1 Safety Evaluation Report. Pending resolution of the generic environmental qualification study for the main steam line break accident, this concludes the Containment Systems Branch review of the Davis Besse Nuclear Power Station, Unit 1.

Original signed by
Robert L. Tedesco

Robert L. Tedesco, Assistant Director
for Plant Systems
Division of Systems Safety

Enclosure:
As Stated

cc: S. Hanauer
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