

DEC 28 1976

Docket No. 50-346

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

FROM: Robert L. Tedesco, Assistant Director for Plant Systems, DSS

SUBJECT: DAVIS BESSE UNIT 1 SAFETY EVALUATION REPORT SUPPLEMENT

Plant Name: Davis Besse Unit 1
 Docket Number: 50-346
 Licensing Stage: OL
 Milestone Number: 27-22
 Responsible Branch: LWR 2
 and Project Manager: L. Engle
 Requested Completion Date: December 15, 1976

The DSS:PS, Electrical, Instrumentation and Control Systems Branch input to the Davis Besse Unit 1 Safety Evaluation Report (SER) was transmitted by memorandum to you on June 23, 1975. That input was based on a review of the FSAR through Amendment 28. Subsequent transmittals to you dated November 10, 1975, June 17, 1976, November 4, 1976, and November 11, 1976, provided updated information for the Davis Besse Unit 1 Safety Evaluation Report based upon information provided through Amendment 32 and our site visit. Several items in these transmittals were identified as subjects to be addressed in the SER Supplement. The supplementary report transmitted herewith addresses these items and presents the results of our review through Amendment 39 and in part, Amendment 40 (which was received December 9, 1976). It should be noted that some, but not all, of the items identified in the previous transmittals have been resolved. The following items are those that have not been satisfactorily resolved and remain as outstanding items. We will report our evaluation of these open items in a supplement to this report.

1. Final Approval of Environmental Equipment Qualification (SSER Section 7.9) Resolution is subject to satisfactory completion of the Main Steam Line Break Accident Analysis (SER Section 6.2) yet to be submitted for review.
2. Final Approval of Class 1E Isolation and Separation Systems. Resolution subject to verification tests conducted by the applicant demonstrating adequate isolation and separation between safety and non-safety systems and design modifications for reactor coolant flow transmitters (SSER Section 7.2). We are awaiting applicant's response.

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- 3. Final approval of the Decay Heat Removal Valve System (SSER Section 7.3.4) Resolution subject to concurrence from RSB.
- 4. Final Approval of the Applicant's Separation Criteria (SSER Section 7.9.2 and 7.9.3) Resolution subject to verification tests yet to be submitted by the applicant and completion of our review of recently submitted information.

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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