

Docket file

Docket No. 50-346

APR 6 1977

MEMORANDUM FOR: D. B. Vassallo, Assistant Director for LWR's, DPM
FROM: D. F. Ross, Jr., Assistant Director for Reactor Safety, DSS
SUBJECT: DAVIS-BESSE UNIT NO. 1 APPENDIX K REVIEW OF ECCS

Plant Name: Davis Besse Unit No. 1
Docket No.: 50-346
Licensing Stage: OL
Responsible Branch & Project Leader: LWR-1, L. Engle
Systems Safety Branch Involved: Reactor Systems Branch
Containment Systems Branch
Instrumentation and Control
Systems Branch

Review Status: Complete
Description of Review: SER Supplement

Pursuant to the requirements of the Commission's regulations, 10 CFR 50.46, the applicant incorporated the Babcock & Wilcox topical report, BAW-10105, into his application by reference to comply with the ECCS performance analysis requirement. The analyses are based on the Babcock & Wilcox ECCS evaluation model which the NRC staff had previously reviewed and concluded was in conformance with 10 CFR 50, Appendix K (Ref. 1). Later reviews with regard to a return to nucleate boiling after critical heat flux conditions have been reached were resolved. Also, a staff review of B&W's proposed steam cooling model remains to be documented. The staff reviewed letters from the applicant (Refs. 8, 9, 12-17, 21, 22) and our findings are delineated in the enclosed draft SER.

In addition, final acceptance of Section 2.0 of this supplement is contingent upon a favorable response from ICSB to our electrical review request (see ltr. from G. Mazetis to T. Ippolito dated April 8, 1976).

Original Signed By
T. M. Novak

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

Enclosure:
SER Supplement

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D. B. Vassallo

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cc: S. Hanauer
 R. Heineman
 D. Ross
 T. Ippolito
 G. Lainas
 L. Crocker
 L. Engle
 A. Szukiewicz
 T. Novak
 S. Israel
 G. Mazetis (3)
 J. Stolz

Docket File
 RSB Reading
 NRR Reading
 Mazetis Chron

OFFICE →	DSS: RSB	DSS: RSB	DSS: RSB	RSB: RSB		
SURNAM →	GMazetis:db	Novak	DFROSS			
DATE →	4/5/77	4/6/77	4/6/77			