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Docket No. 50-346

V. A. Moore, Assistant Director for Light Water Reactors, Group 2, RL

DRAFT SAFETY EVALUATION REPORT - DAVIS-BESSE NUCLEAR POWER STATION, UNIT 1

Plant Name: Davis-Besse Nuclear Power Station, Unit 1
Docket No.: 50-346
Licensing Stage: OL
NSSS Supplier: Babcock and Wilcox
Containment Type: Dry Dual
Architect Engineer: Bechtel
Responsible Branch & Project Manager: LWR 2-3; L. Engle
Requested Completion Date: February 7, 1975
Review Status: Incomplete

Enclosed is the draft Safety Evaluation Report from the Containment Systems Branch for the Davis-Besse Nuclear Power Station, Unit 1. Based on our evaluation we conclude that additional information will be necessary on containment vessel and interior compartment design pressures. It also has not been demonstrated that potential containment vessel leak paths which bypass the volumes served by the emergency ventilation system have been properly identified.

Before we can conclude on the acceptability of the containment vessel and interior compartment design pressures we will need the following information:

- (1) revised mass and energy release data for postulated loss-of-coolant accidents which neglects the quenching action of the ECCS water on the exiting steam following blowdown;
- (2) revised mass and energy release data for the containment vessel interior compartment analysis that adequately describes the blowdown profile over the time scale of interest for each postulated pipe break; and
- (3) results of containment vessel and interior compartment analyses based on the revised mass and energy release data.

The applicant has committed to providing this information. The applicant has also committed to providing more definitive information regarding potential containment vessel leak paths which bypass the volumes served by the emergency ventilation system. The Project Manager is aware of this need for additional

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information. We will report our findings, based on our review of this information, in a supplement to the Safety Evaluation Report.

Original signed by:
Robert L. Tedesco

Robert L. Tedesco, Assistant Director
for Containment Safety
Division of Technical Review
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Enclosure:
As stated

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L - Reading
CS - Reading
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