

Central File

OCT 14 1976

Docket No. 50-346

MEMORANDUM FOR: J. Stolz, Chief, Light Water Reactors Branch No. 1, DPM

FROM: J. T. Collins, Chief, Effluent Treatment Systems Branch, DSE

SUBJECT: SAFETY EVALUATION REPORT INPUT FOR DAVIS-BESSE NUCLEAR STATION, UNIT NO. 1

Enclosed is a copy of Section 11 of the SER for Davis-Besse, Unit No. 1, marked up to reflect the staff's Appendix I analysis. This SER input evaluates the acceptability of Davis-Besse, Unit No. 1 only. The capability of Davis-Besse, Unit Nos. 1, 2 and 3 to meet the site criteria of Appendix I will be evaluated in the SER for Davis-Besse, Unit Nos. 2 and 3.

The applicant has not proposed to design the gaseous radwaste treatment system to withstand a hydrogen explosion or provide redundant instrumentation to annunciate and prevent the buildup of potentially explosive mixtures. Therefore, we find this system unacceptable.

We have enclosed Section 15.7.3, Postulated Radioactive Releases Due to Liquid Tank Failures, which was not previously provided.

ORIGINAL SIGNED BY  
JOHN T. COLLINS

John T. Collins, Chief  
Effluent Treatment Systems Branch  
Division of Site Safety and  
Environmental Analysis

Enclosure:

1. Marked up Section 11
2. Section 15.7.3

cc: L. Engle  
W. Burke  
F. Cardile

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