

APR 4 1977

Docket No. 50-346  
MS 27-12

MEMORANDUM FOR: D. B. Vassallo, Assistant Director  
for Light Water Reactors  
Division of Project Management

FROM: J. P. Knight, Assistant Director  
for Engineering

SUBJECT: TOLEDO EDISON, DAVIS-BESSE NUCLEAR POWER STATION, UNIT  
NO. 1 (OL), DOCKET NUMBER 50-346, SER SUPPLEMENT

Plant Name: Davis-Besse Nuclear Power Station, Unit No. 1  
Suppliers: Babcock and Wilcox; Bechtel Associates  
Docket Number: 50-346  
Licensing Stage: OL  
Responsible Branch and Project Manager: LWR 1; L. Engle  
Reviewer: M. R. Hum  
Requested Completion Date: March 15, 1977  
Description of Response: SER Supplement  
Review Status: Applicant Response Required

The Materials Engineering Branch has completed the review of all available information concerning the Davis-Besse Unit No. 1 reactor vessel material surveillance (RVMS) program. Our SER Supplement revising Section 5.3, "Reactor Vessel Integrity," to update our evaluation of the RVMS program is attached. The revised input is enclosed in brackets.

Our conclusions are summarized as follows:

1. The Davis-Besse Unit No. 1 reactor vessel material surveillance program with the new surveillance specimen holder tube location is acceptable through the first fuel cycle when the first capsule is scheduled to be withdrawn and evaluated.

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- 2. We will require additional information to justify the higher lead factor and the proposed withdrawal schedule which is different from Appendix H, Section II.C.3.c.

J. P. Knight, Assistant Director  
 for Engineering  
 Division of Systems Safety  
 Office of Nuclear Reactor Regulation

Enclosure:  
 As stated

cc w/encl:  
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cc w/o encl:  
 R. S. Boyd, DPM  
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