

ENCLOSURE A
SUPPLEMENT REPORT #4 TO
THE DAVIS BESSE UNIT 1 SER
5Q-346

7.2 Reactor Protection System

In the published Supplement #1 to the Safety Evaluation Report for Davis Besse Unit #1 (dated April 1977), we required the applicant to submit, in addition to the previously proposed fault tests, noise test procedures in accordance with Mil. Standard 19900, Section 4.6.11 (or equivalent). These tests were required to be conducted on non-Class 1E circuits that interface with the Reactor Protection System (RPS), in order to demonstrate that the RPS design satisfies the objectives of Section 4.6 of IEEE Std. 279-1968.

In response, the applicant submitted a test procedure for tests that will be conducted on the non-Class 1E circuits that interface with one complete reactor protection channel. The proposed test procedure is in accordance with Mil. Standard 19900, Section 4.6.11.

In the submitted noise test procedures, the applicant stated that during the noise tests the RPS channel will be observed for any off normal operation of its Class 1E function. The staff

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interprets this to mean that appropriate instrumentation will be provided (with required accuracy and sensitivity) to monitor and/or record any off normal operation of the Class 1E functions.

Based on our review of the noise test procedures and the interpretation noted, we conclude that the applicant's response satisfies the staff's requirements stated in the above referenced supplement, and the requirement of the license condition 2C(3)K which was included in the transmittal of license No. NPF-3 dated April 22, 1977, and is therefore acceptable.

We will review the test results upon completion of the required testing and will report any concerns identified by the staff in a supplement to this report.