



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION REPORT

DOCKET NO. 50-346

DAVIS-BESSE NUCLEAR POWER STATION, UNIT 1

GENERIC LETTER 83-28, ITEM 4.5.2

REACTOR TRIP RELIABILITY-ON-LINE TESTING

INTRODUCTION AND SUMMARY

Generic Letter 83-28 was issued by NRC on July 8, 1983, indicating actions to be taken by applicants and licensees based on the generic implications of the Salem ATWS events. Item 4.5 states a staff position which requires on-line functional testing of the reactor trip system, including independent testing of the diverse trip features of the reactor trip breakers, for all plants. Item 4.5.2 requires applicants and licensees with plants not currently designed to permit this periodic on-line testing to justify not making modifications to permit such testing. By letter dated December 9, 1983, the licensee, Toledo Edison Company responded to the staff position regarding Item 4.5.2 of Generic Letter 83-28. Our review of this response finds it to be acceptable.

EVALUATION

The licensee states that Toledo Edison performs on-line testing of the reactor trip system, with the exception of the SCRs. Generic Letter 85-10 indicates that on-line testing the SCRs is not required for Davis-Besse. Although the licensee's response did not state that Davis-Besse is designed for independent on-line testing of the shunt and undervoltage trip attachment of the reactor trip breakers, staff's review of the design under Item 4.3 of Generic Letter 83-28 has found that the design permits such testing.

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CONCLUSION

The staff finds that the Davis-Besse Nuclear Power Station, Unit 1 is designed to permit on-line functional testing of the reactor trip system, including independent on-line testing of the diverse trip features of the reactor trip breakers. Thus, the applicant meets the staff position of Item 4.5.2 of Generic Letter 83-28.