

DOD-016

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Mr. Richard P. Crouse
 Vice President, Nuclear
 Toledo Edison Company
 Edison Plaza - Stop 712
 300 Madison Avenue
 Toledo, Ohio 43652

Dear Mr. Crouse:

SUBJECT: SEISMIC QUALIFICATION OF AUXILIARY FEEDWATER (AFW) SYSTEM

As part of our technical assistance contract program, Lawrence Livermore National Laboratory has reviewed Toledo Edison Company responses, dated July 15, 1981 (No. 729) and February 10, 1982 (No. 775), to Generic Letter 81-14 and NRC letter dated January 11, 1982. Lawrence Livermore National Laboratory has provided a technical evaluation of your submittals and has provided a recommendation regarding the need for additional modifications or analysis. Their evaluation is presented in the enclosed Technical Evaluation Report.

We have reviewed our consultant's report and concur with his recommendations. We conclude that, subject to completion of planned modifications by January 1983, the AFW system will have sufficient seismic capability to withstand a safe shutdown earthquake and accomplish its safety function. Accordingly, we do not contemplate requiring any seismic upgrading of this system.

A copy of our Safety Evaluation is also enclosed.

Sincerely,
 ORIGINAL SIGNED BY
 JOHN F. STOLZ

John F. Stolz, Chief
 Operating Reactors Branch #4
 Division of Licensing

Enclosures:
 1. SER
 2. TER

cc w/enclosures:
 See next page

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DATE	9/27/82:cb	9/1/82					

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SAFETY EVALUATION REPORT
DAVIS BESSE PLANT
SEISMIC QUALIFICATION OF THE
AUXILIARY FEEDWATER SYSTEM

Introduction

Since the accident at Three Mile Island, attention has been focused on the ability of pressurized water reactors to provide reliable decay heat removal. While it is recognized that alternate methods may be available to remove decay heat following transients or accidents, heat removal via the steam generators is the first choice for accomplishing a safe shutdown of the plant. Therefore, there should be reasonable assurance that the auxiliary feedwater system (AFW) can withstand the postulated Safe Shutdown Earthquake (SSE), consistent with other safety-related systems in the plant.

To address this concern, the NRC developed and initiated Multiplant Action C-14, "Seismic Qualification of Auxiliary Feedwater Systems." The objective of this plan is to increase, to the extent practicable, the capability of those plants without seismically qualified AFW to withstand earthquakes up to the SSE level. This program was implemented with the issuance of NRC Generic Letter 81-14, dated February 10, 1981. Our review of the licensee's responses to this letter is the subject of this evaluation.

Evaluation

The enclosed report was prepared for us by our consultant, Lawrence Livermore National Laboratory, as part of our technical assistance contract program. The report provides their technical evaluation of the licensee's conformance to the requirements of Generic Letter 81-14. We have reviewed the consultant's report and concur with its conclusions.

In view of the fact that installation of some modifications is already in progress and that the licensee has committed to complete other modifications in only a few months (i.e., no later than January 1983), we find that the apparent informational deficiencies regarding the present seismic capability, the system walkdown, and system boundary are acceptable.

Conclusion

Based upon our review of the consultant's technical evaluation report, we conclude that there is reasonable assurance that the auxiliary feedwater system has sufficient capability to withstand a safe shutdown earthquake and accomplish its safety function. Accordingly, we are not contemplating requiring any seismic upgrading of this system under the NRC Multiplant Action C-14 program.

We consider the consultant's report to be final, in that no further technical effort is required.