

DMB 016

AUGUST 8 1983

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Docket No. 50-346

Mr. Richard P. Crouse  
Vice President, Nuclear  
Toledo Edison Company  
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Toledo, Ohio 43652

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Dear Mr. Crouse:

SUBJECT: STEAM GENERATOR BLOWDOWN SYSTEM CONTAINMENT ISOLATION VALVES - REQUEST FOR ADDITIONAL INFORMATION

By letter dated September 25, 1981 (No. 738), Toledo Edison Company requested certain amendments to Facility Operating License NPF-3 for the Davis-Besse Nuclear Power Station, Unit 1. Item 1 of the application relates to the proposed deletion of valves MS 603A and MS 611A from the steam generator blowdown system and the addition of an automatic steam and feedwater rupture control system half trip closure signal to valves MS 603 and MS 611. The present Appendix A Technical Specification Table 3.6-2 indicates that these valves may be open on an intermittent basis under administrative control. The proposed changes would delete valves MS 603A and MS-611A, from Table 3.6-2, would remove the requirement for administrative control on valves MS 603 and MS 611, and would remove the restriction to intermittent operation.

The safety analysis provided with your application is inadequate and does not contain sufficient information for us to make a preliminary determination regarding significant hazards, as required by 10 CFR 50.92 (see 48 FR 14871), and to proceed with our evaluation of the proposed changes.

It is our understanding the steam generator drain lines are to be used as "at power" blowdown lines. This would represent a significant new function for these lines and one which was not considered in Section 3.6 of the USAR, "Evaluation of Dynamic and Environmental Effects Associated with Postulated Rupture of Piping." Therefore, we request that the following information be provided no later than September 3, 1983.

- a. Identify and discuss the reasons for the deletion of valves MS 603A and MS 611A and associated lines.

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- b. Provide a complete description of the blowdown system from the steam generator to the condenser. A one line diagram such as a P&ID will be adequate.
- c. Describe how the changes meet the design requirements stated in the USAR with respect to seismic analysis, high energy line break considerations, containment penetration classification and design, and component classification and qualification for the intended use.
- d. Identify the safety analyses (Section 3.6 of the USAR) which bound the change. If none bound the change, provide an appropriate analysis. Identify any credit taken in the analyses for a specific valve closure time.
- e. Discuss the impact of the change upon water chemistry and radioactivity release.
- f. Identify any limitations upon operation of the blowdown system imposed by the analyses.
- g. Discuss what changes, including paragraph 10.4.8, must be made to the USAR as a result of the modifications.

The information requested in this letter affects fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

"ORIGINAL SIGNED BY  
JOHN F. STOLZ"

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

cc: See next page

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Toledo Edison Company

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