January 2, 1986

DMB 016

Docket No. 50-346

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Mr. Joe Williams, Jr.
Vice President, Nuclear
Toledo Edison Company
Edison Plaza - Stop 712
300 Madison Avenue
Toledo, Ohio 43652

Dear Mr. Williams:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - MOTOR OPERATED VALVES

The staff has reviewed the information submitted with your Davis-Besse Course-of-Action report up through Revision 4. We find that we require additional information in order to complete our review with regard to your program relating to motor operated valves AF599, AF 608, and MS 106 and other safety related motor operated valves. The information required is identified in the Enclosure to this letter.

Should you have any questions regarding the scope of your response required or need clarification, please contact your NRR Project Manager, Al De Agazio (301-492-8945). To avoid delay in preparation of our evaluation related to Davis-Besse restart, you should provide your response no later than January 7, 1986.

The information requested in this letter affects fewer than 10 respondents; therefore, OMB clearance under P.L. 96-511 is nt required.

Sincerely,

*ORIGINAL SIGNED BY
JOHN F. STOLZ*

John F. Stolz, Director
PWR Project Directorate #6
Division of PWR Licensing-B

cc: See next page

PBD-6	PBD-6	PBD-6
ADe Agazio;cf	CMcCracken	JStolz
1/2/86	1/2/86	1/2/86

Mr. J. Williams
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Davis-Besse Nuclear Power Station
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Enclosure

QUESTIONS RELATING TO DAVIS-BESSE VALVES

AF-599, AF-608 AND MS-106

AND OTHER SAFETY RELATED VALVES

1. Identify all valve operating conditions and expected intervals for those that are known (i.e., test, normal, transients, limiting conditions). Is the use of a single open and close torque switch setting in each direction of valve travel adequate for all conditions?

2. Specify, the max delta P that was experienced by AF-599 and -608 during the event. Will it be expected that delta Ps in excess of 1050 psid will be experienced in the future. If not, why not?

3. Explain in detail the methodology used to set

   A. Bypass limit switches
   B. Torque switches
   C. Limit switches

   for both directions of valve travel.

4. Explain in detail how stem stresses are calculated and are determined to be acceptable. Do the new switch settings have any negative effects on the qualified life of the valve/actuator assembly?

5. Submit a single description of the in-situ tests that will be performed prior to restart; refer to specific procedures where appropriate.

6. Are any in-situ tests planned prior to restart utilzing line fluid flow(s) in which the valve(s) must close?

7. Are any in-situ tests utilizing delta Ps and/or fluid flow planned on an ongoing basis? Ongoing MOVATs, etc? Corrective/preventive maintenance procedures, LCTS Nos. 1251 and 1257. How many delta Ps will be used for single valve assembly?

8. For 7, above; how many of these actions will be applied to all safety-related valves?

9. Should LCTS Nos. 1261 and 1273 also state"to preclude damage to the valve?"

10. How often are these valves tested and what types of tests are performed? (IST Program, Technical specifications, other)

11. Are packing problems considered in adjusting the torque switches? (i.e., dried out packing, etc.).

12. Does exclusion of thermal overloads have any negative effect on the qualified life of the valve/actuator? (i.e., motor burnouts, etc.)