TOLEDO EDISON

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Docket No. 50-346

License No. NPF-3

Serial No. 1-627

March 12, 1986

John F. Stolz, Director
PWR Project Directorate #6
Division of PWR Licensing - B
United States Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Stolz:

Section 1.0 of the draft Safety Evaluation Report (Log No. 1914) related to the restart of the Davis-Besse Nuclear Power Station Unit No. 1 requested that Toledo Edison confirm compliance with the concerns identified in IE Bulletin 85-01 as applied to steam binding of the motor-driven feedwater pump (MDFP). This was identified as an unresolved item requiring resolution for restart authorization.

Toledo Edison has reviewed IE Bulletin 85-01, Steam Binding of Auxiliary Feedwater Pumps, and evaluated the potential for steam binding of the MDFP. The enclosed information describes Toledo Edison's plans for monitoring fluid temperature conditions of the MDFP on a regular basis when the pump is required to be aligned as an auxiliary feedwater pump. In addition, the procedural method for restoring a steam bound MDFP is addressed. Approval of the procedure, associated training and procedure implementation will be completed by Toledo Edison prior to restart from the current shutdown.

Toledo Edison believes the enclosed information confirms compliance with the concerns identified in IE Bulletin 85-01 as applied to steam binding of the MDFP and that this information will enable the NRC Staff to close this restart item.

Very truly yours,

JW:DRW:plf

Attachment

cc: DB-1 NRC Resident Inspector

IE BULLETIN 85-01

AS APPLIED TO STEAM BINDING

OF THE

MOTOR-DRIVEN FEEDWATER PUMP

On October 29, 1985, the Nuclear Regulatory Commission Office of Inspection and Enforcement issued IE Bulletin 85-01: Steam Binding of Auxiliary Feedwater Pumps. Toledo Edison has reviewed IE Bulletin 85-01 and evaluated the potential for steam binding of the Davis-Besse motor-driven feedwater pump (MDFP). The following briefly describes the procedure under development which will be implemented to address MDFP steam binding.

PROCEDURES

Toledo Edison is proceduralizing the monitoring of the MDFP discharge fluid conditions on a regular basis during Mode 1 with the plant at greater than 38 percent power (when the system will be aligned as a backup auxiliary feedwater pump). System Procedure SP 1106.28, Revision 1, Motor Driven Feed Pump Operating Procedure, will address MDFP steam binding. Under SP 1106.28 an operator will monitor, by touch, the MDFP casing temperature to ensure that the MDFP is at near ambient temperature. IE Bulletin 85-01 recognizes that elaborate monitoring instrumentation is not necessary and that monitoring the fluid temperature by touching hardware is acceptable. The portion of auxiliary feedwater system discharge piping located downstream of the MDFP discharge piping connection will be monitored under SP 1106.06, Auxiliary Feedwater Procedure. This monitoring, as described in Toledo Edison's letter (Serial No. 1-622) to NRC Region III, dated February 28, 1986, addresses monitoring concerns of the discharge piping and auxiliary feedwater pumps.

When the plant is in Mode 1 at greater than 38 percent power, monitoring will be performed on a frequency of at least twice a day at approximately twelve hour intervals. Should a high (hot) temperature be identified, the operator will notify the Shift Supervisor. Should the MDFP be identified as steam bound, SP 1106.28, Revision 1, will require that the normally open MDFP discharge valve, FW1008, be closed to allow the steam to be vented from the pump casing. This will also allow the pump casing to be filled with cool water. If the MDFP has been steam bound, the frequency of monitoring will be increased as specified in SP 1106.28 until corrective action has been implemented.

IMPLEMENTATION SCHEDULE

SP 1106.28, Revision 1, proceduralizing the above steps and SP 1106.06 will be approved and implemented, and training completed, prior to restart of the plant from the current shutdown.