



Commonwealth Edison
Quad-Cities Nuclear Power Station
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BPS-73-2

January 3, 1973



Mr. Angelo Giambusso
Deputy Director of Reactor Projects
Directorate of Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

Reference: Quad-Cities Nuclear Power Station - Unit 2
Docket No. 50-265; DPR-29, Appendix A
Sections 1.0.A.2, 3.7.D.1, and 6.6.B.s

Dear Mr. Giambusso:

The purpose of this letter is to inform you of the details relating to an incident in which the closure time for Main Steam Isolation Valve (MSIV) AO-2-203-1D apparently exceeded technical specification limits. This incident was reported to you by telegram on December 20, 1972.

DESCRIPTION OF INCIDENT

On December 20, 1972 at 3:15 a.m., full closure timing tests were performed on Unit 2 MSIV's 203-1A and 203-1D. The unit was shutdown to locate and repair condenser tube leaks. MSIV 1A closed in 4.0 seconds, but MSIV 1D took 5.1 seconds to close. The Technical Specifications require that these valves close in $3 \leq t < 5$ seconds. The valve was inspected and appeared to be operating normally. The valve timing was adjusted and three successive closure tests were performed and the valve closed in 3.0 seconds each time.

INVESTIGATION

During a two day outage prior to this abnormal occurrence repairs were made to the position indicating limit switches on MSIV's 1A and 1D. This minor maintenance should not have affected the valve times, however, timing tests were performed as a precautionary measure prior to returning the valves to service. The last full closure timing on these valves was conducted on October 6, 1972 when valves 1A and 1D closed in 4.2 and 4.4 seconds respectively.

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Mr. Angelo Giambusso

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CORRECTIVE ACTION

In addition to re-timing the valve, a new method of timing is being reviewed. The present method used to time isolation valves is a stop watch from the control room. A modification is being developed which will allow these valves to be timed using a recorder. This will provide us with more accurate closure times in the future and enable us to spot any trends in closure times by providing a permanent record for analysis.

Very truly yours,

COMMONWEALTH EDISON COMPANY
QUAD-CITIES NUCLEAR POWER STATION

B. B. Stephenson
B. B. Stephenson
Superintendent

BBS/zm

WHY NOT
A SIMPLE
TIMER