



# Commonwealth Edison Company

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50-237

Dresden Nuclear Power Station  
R. R. #1  
Morris, Illinois 60450  
November 15, 1972

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



SUBJECT: LICENSE DPR-19, DRESDEN NUCLEAR POWER STATION, UNIT #2,  
SECTION 6.6 C.1 OF THE TECHNICAL SPECIFICATIONS.

Dear Mr. Giambusso:

This is to report a condition relating to the operation of the unit in which, on November 6, 1972, High Pressure Coolant Injection (HPCI) valve MO-2-2301-4 would not open during post-maintenance surveillance testing. The operability of this valve is required by section 3.5.C.1 of the Technical Specifications whenever the reactor pressure is greater than 90 psig and irradiated fuel is in the reactor vessel.

## PROBLEM AND INVESTIGATION

At 0230 on November 6, 1972, the Unit 2 reactor was critical and heating with the mode switch in the startup position. Reactor pressure was 85 psi and post-maintenance surveillance testing was in progress.

At 0240, an unsuccessful attempt was made to open MO-2-2301-4. Investigation was initiated and it was determined that the open contacts closed providing an open signal to the valve motor. However, the thermal overload contacts kept opening, preventing the valve from opening. While this investigation was in progress, reactor pressure drifted above 100 psi.

## CORRECTIVE ACTION

At 0330, the control rods were inserted to shutdown the reactor. At 0405, with reactor pressure at 77 psi, the valve was again tested and satisfactorily cycled twice. At 0415, the control rods were withdrawn

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to take the reactor critical, and at 0555, with reactor pressure at 88 psi, valve MO-2-2301-4 was again satisfactorily cycled five times.

It is believed that a recent hydrostatic test of the primary system caused this valve to become jammed against its seat.

To prevent a reoccurrence of this type, the hydrostatic test procedure will be revised. Prior to the next hydrostatic test, a step will be added to require cycling motor operated valves subjected to hydrostatic pressure upon completion of the hydrostatic test.

It should be noted that this malfunction was erroneously reported as occurring on Dresden Unit 3, DPR-25, in a telegram to Boyce Grier, dated 11/6/72.

Sincerely,

*W. P. Worden*  
W. P. Worden  
Superintendent  
Dresden Nuclear Power Station

WPW:do