



# Commonwealth Edison Company

QUAD-CITIES NUCLEAR POWER STATION

Address Reply to:

POST OFFICE BOX 216 ★ CORDOVA, ILLINOIS 61242

50-254

FAP-72-132

July 10, 1972

Mr. J. F. O'Leary, Director  
Director of Licensing  
U. S. Atomic Energy Commission  
Washington D. C. 20545



Dear Mr. O'Leary:

Ref: Quad-Cities Nuclear Power Station Unit 1  
DPR 29 - Appendix A - Section 1.A.4,  
Section 6.6.A.3, and Section 6.6.B.3.

The purpose of this letter is to inform you of the details regarding the failure of RCIC motor operated valve MO-1-1301-49 to open when given a signal from the control room. This incident occurred at Quad-Cities Unit 1 on July 2, 1972 at 7:15 a.m.

## Description of Failure

The loss of auxiliary power test on Unit 1 was conducted at 7:06 a.m. on July 2, 1972. At 7:15 a.m. that same day, the Reactor Core Isolation Cooling System was being manually lined up to demonstrate pump injection into the reactor vessel. The final injection valve failed to open at that time. At the time of the failure, the reactor was shut down with all rods inserted following the test trip and scram. Reactor pressure was approximately 1000 psig.

## Additional Information

On the day of the failure, prior to the loss of power test, the monthly operability test of the injection valve was performed and proved the valve to be operable. Later that same day, after the failure, the valve was manually opened and the system injection into the vessel was successfully demonstrated.

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Repairs

The torque switch settings for the motor operator of this valve were changed as an action to prevent a future reoccurrence of this incident. The settings for this motor had been previously changed to overcome faulty operation. Increasing the torque switch settings should allow the motor to develop more power to open or close the valve. Following the torque switch adjustments, the valve was demonstrated to function properly.

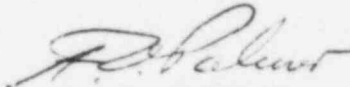
Continuing Investigation

This occurrence is part of a continuing problem with the performance of motor operated valves. Investigations into the cause of the problems is continuing.

As additional information regarding this problem becomes available, we will inform you on a timely basis.

Very truly yours,

COMMONWEALTH EDISON COMPANY  
Quad-Cities Nuclear Power Station



F. A. Palmer  
Station Superintendent

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