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Commonwealth Edison Company

QUAD-CITIES NUCLEAR POWER STATION

Address Reply to:

POST OFFICE BOX 216 ★ CORDOVA, ILLINOIS 61242

FAP-72-86

April 19, 1972

Dr. Peter A. Morris, Director
Division of Reactor Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

Reference: License DPR-29 - Quad-Cities Nuclear
Power Station Unit 1 - Section 6.6.A.3
6.6.B.3.

Dear Mr. Morris:

This is to report a condition relating to test operation of the Reactor Core Isolation Cooling System on Quad-Cities Nuclear Power Station Unit 1 during start up testing. The Reactor Core Isolation Cooling System failed to perform its intended function at a reactor pressure of 950 psig. This incident 1-72-5 is reported as an abnormal occurrence.

Incident Description and Immediate Action - At 4:30 p.m. on April 11, 1972, Startup Test No. 14 on the Reactor Core Isolation Cooling System was being performed at rated reactor pressure. The "RCIC" system failed to deliver 400 gpm in less than or equal to 30 seconds. The system was declared inoperable and the High Pressure Coolant Injection System was satisfactorily tested immediately and daily as required by the Technical Specification, Section 3.5.E.2.

Investigation and Corrective Action - Investigation revealed that the electrical to hydraulic transducer was not functioning properly. This unit is called the EGR ACTUATOR in the Description Manual GEK-9597 - Page 27-16. The response was slow and believed to be due to shorted turns on a magnetic amplifier. A new EGR unit was obtained, tested, and RCIC was declared operable on April 18, 1972.

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Dr. Peter A. Morris


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April 19, 1972

Conclusion - The Reactor Core Isolation Cooling System was tested in accordance with the Quad-Cities Nuclear Power Station Startup Test Instructions and was found deficient. The cause of the incident was a defective EGR unit which was replaced, tested, and the system was declared operable.

Very truly yours,

COMMONWEALTH EDISON COMPANY
Quad-Cities Nuclear Power Station



F.A. Palmer
Superintendent

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