

50-254

## Commonwealth Edison Company

QUAD-CITIES NUCLEAR POWER STATION

Address Reply to:

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February 9, 1972

U. S. Atomic Energy Commission  
Washington, D. C. 20545

Attention: Dr. Peter Morris  
Director Division of Reactor Licensing

Reference: Facility Operating License - DPR-29  
Appendix A - Section 3.10A

Dear Dr. Morris:

As set forth by the Technical Specifications for Quad-Cities Nuclear Power Station, Section 3.10A - Refueling Interlocks, the following abnormal occurrence is reported as 1-72-2.

On February 7, 1972 at 4:45 p.m., while moving a fuel assembly out of the Unit 1 - reactor vessel for neutron source removal, operations discovered that a rod withdraw block failed. Operations were following approved step-by-step procedures which did not call for control rod withdrawal. The indication of rod block failure was visual in that the "rod out" permit light remained on with the refueling bridge over the reactor cavity while fuel assembly weight was on the grapple.

Upon discovery of the failure, fuel transfer operation was terminated and the electrical maintenance group was assigned to determine the cause for failure. The bridge position limit switch is a General Electric Model CR115G307 which uses a screwed clamp connection between the roller arm and the switch shaft. The switch shaft had moved with respect to the roller arm such that it would not operate when the roller arm came upon the raised portion of the track bed. The shaft was

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Dr. Peter Morris


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readjusted with respect to the roller arm and clamped tight. Switch operation was tested, the interlock circuit tested, and fuel transfer operation resumed.

Very truly yours,

COMMONWEALTH EDISON COMPANY  
Quad-Cities Nuclear Power Station



B. B. Stephenson

BBS/zm