



## ATTACHMENT

### CAUSE, DESCRIPTION AND CORRECTIVE ACTIONS

The most probable cause of this event is due to the accumulation of dirt on the inner filter of the control rod drive. If the inner filter becomes embedded with dirt, it can lift off its seat because of the increase in differential pressure in the area of the filter. When the filter lifts up it can push up against the uncoupling rod assembly causing the control rod drive to uncouple itself.

The Control Rod Drive Disassembly and Inspection Checklist (QMP 600-S4) for this drive indicates that one-half of the inner filter was filled with dirt. Also, the radiation level at the filter area before disassembly was high (6-R) indicating an accumulation of dirt in the filters. During the overhaul of the drives, all parts are thoroughly cleaned, including the filters, before the reassembly process.

After this control rod drive was removed from the Reactor vessel it was overhauled and returned to the Storeroom. A new drive, Serial Number 12-163, was installed in the Reactor vessel in Position C-10 (10-39).



**Commonwealth Edison**  
Quad Cities Nuclear Power Station  
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Telephone 309/654-2241

*DMB*

NJK-84-200

June 18, 1984

J. Keppler, Regional Administrator  
Office of Inspection and Enforcement  
Region III  
U. S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Reference: Quad-Cities Nuclear Power Station  
Docket Number 50-265, DPR-30, Unit Two  
Appendix A, Sections 3.3.B.1 and 6.6.B.2.b

Enclosed please find Reportable Occurrence Number 83-13/03L-1,  
for Quad-Cities Nuclear Power Station. This revision specifies the  
cause and corrective actions taken to correct the problem.

This report is submitted to you in accordance with the require-  
ments of Technical Specification 6.6.B.2.b; as a condition leading to  
operation in a degraded mode permitted by a limiting condition for  
operation.

Respectfully,

COMMONWEALTH EDISON COMPANY  
QUAD-CITIES NUCLEAR POWER STATION

*L. J. Hermer for*

N. J. Kalivianakis  
Station Superintendent

NJK:JV/bb

Enclosure

cc B. Rybak  
A. Morrongiello  
INPO Records Center

JUN 27 1984

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