NRC FOR (7-77)	U. S. NUCLEAR REGULATORY COMMISSION
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CON'T	REPORT L 6 0 5 0 0 0 2 6 5 0 0 9 0 1 8 3 0 0 6 1 8 8 4 9 SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80
0 2	On September i, 1983, at 3:23 a.m., while performing Control Rod Drive Weekly
03	Exercise, QOS 300-1, control rod C-10 (10-39) went to overtravel, indicating a
04	possible uncoupling. The control rod was fully inserted and electrically
05	disarmed; thereby satisfying Technical Specification 3.3.B.1. A review of past
06	surveillances show the control rod has been coupled since the last unit shutdown.
07	[Thus, there was no degrading effect on the safety of the plant. This control rod
	drive has been in the Unit Two Reactor vessel since January 1980.
09 78	SYSTEM CODE CAUSE CODE CAUSE SUBCODE CAUSE SUBCODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE R B 13 C O N R O D 14 Z 15 Z 16 9 10 11 E 12 13 C O N R O D 14 Z 15 Z 16 10 11 12 13 C O N R O D 14 Z 15 Z 16 10 11 12 13 13 O OCCUBRENCE REPORT REPORT NO. 11 12 23 24 26 27 28 29 30 31 32 24 24 26 27 28 29 30 31 32 COMPONENT ACTION EFFECT SHUTDOWN HOURS 22 ATTACHMENT NPRD-4 PRIME COMP. COMPONENT 10 19 Z
	33 34 35 36 37 40 41 42 43 44 47 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
10	SEE ATTACHED SHEET
11	
12	
13	
14 7 8	9 9 METHOD OF 90
15 7 8	STATUS S POWER OTHER STATUS OF DISCOVERY DISCOVERY DESCRIPTION (32) E 28 0 5 0 29 NA B 31 Weekly Surveillance 80 At 45 46 80 NA 80
	ELEASED OF RELEASE AMOUNT OF ACTIVITY (3) IOCATION OF RELEASE 9 10 11 9 10 11 9 10 11 44 45
17 78	NUMBER TYPE DESCRIPTION (39) 9 11 12 13 9 PERSONNEL INJURIES 13 80
1 8	PDR ADOCK 05000265 PDR
19 7 8	LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION 1/1 1/2/22 9 10 NA 1/1 1/2/22 80
20	ISSUED DESCRIPTION 45 NA
7 8	9 10 J Carney BHONE 68 69 309-654-2241, ext 175 of

ATTACHMENT

CAUSE, DESCRIPTION AND CORRECTIVE ACTIONS

1.4

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 22710 206 Avenue North Cordova, Illinois 61242 Telephone 309/654-2241

NJK-84-200

June 18, 1984

DMB

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 requirements 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

JUN 2 7 1984

L. F. Germon for

N. J. Kalivianakis Station Superintendent

NJK: JV/bb

Enclosure

cc B. Rybak A. Morrongiello INPO Records Center