

## (7-77)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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REPORT SOURCE

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60	61									68	69					74		75						80
DOCKET NUMBER											EVENT DATE							REPORT DATE						

02 On May 9, 1983, while reviewing out-of-service documentation, the Operating Engineer  
03 discovered that on April 14, 1983, control rod drives (CRD) 38-07 and 46-55 on Unit  
04 Two and CRD 06-43 on Unit One were made inoperable without verifying shutdown margin  
05 or fully inserting the rods and disarming them electrically as specified in  
06 Technical Specification 3.3.A.2.b. The rods, all located in low power areas of the  
07 core, were made inoperable one at a time. All other control rod drives on both  
08 units were operable at all times.

SYSTEM CODE R B		CAUSE CODE A	CAUSE SUBCODE A	COMPONENT CODE C R D R V E				COMP SUBCODE Z	VALVE SUBCODE Z
9 10		11	12	13	14	15	16		
EVENT YEAR 8 3		SEQUENTIAL REPORT NO. 0 0 7		OCCURRENCE CODE 0 1		REPORT TYPE T		REVISION NO. 0	
21 22		23 24 25 26		27 28 29		30 31		32	
ACTION TAKEN H	FUTURE ACTION Z	EFFECT ON PLANT Z	SHUTDOWN METHOD Z	HOURS 0 0 0 0		ATTACHMENT SUBMITTED Y	NPRD-4 FORM SUB. N	PRIME COMP. SUPPLIER N	COMPONENT MANUFACTURER G 0 8 0
33 34	35	36	37 38 39 40	41	42	43	44	45	46 47

1	0	The cause of this occurrence was personnel failure to follow procedures. The
1	1	Shift Engineer confused the requirements for an inoperable control rod drive with
1	2	the requirements for an inoperable control rod accumulator. All shift licensed
1	3	personnel were retrained on the proper use of the pertinent Operating Department
1	4	procedures and on the difference between an inoperable
		accumulator and an inoperable drive.

8 9  
FACILITY STATUS (E) (28) % POWER (0) (9) (0) (29) OTHER STATUS (30) NA METHOD OF DISCOVERY (B) (31) Operating Engineer Normal Review DISCOVERY DESCRIPTION (32) 80  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) NA LOCATION OF RELEASE (36) 80  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39) NA 1  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
PERSONNEL INJURIES NUMBER DESCRIPTION (41) NA 80  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION (43) NA 80  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
PUBLICITY ISSUED DESCRIPTION (45) NA 80  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
2 0 N (44) NA 80  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
8305310152 830523  
PDR ADDCK 05000265  
S PDR  
NRC USE ONLY

PHONE: 309-654-2241, ext 196

- I. LER NUMBER: LER/RO 83-7/01T
- II. LICENSEE NAME: Commonwealth Edison Company  
Quad-Cities Nuclear Power Station
- III. FACILITY NAME: Unit One and Unit Two
- IV. DOCKET NUMBERS: 050-254 and 050-265
- V. EVENT DESCRIPTION:

On May 9, 1983, the Operating Engineer was reviewing out-of-service documentation for the month of April 1983. During this review, it was discovered that on April 14, 1983, two control rod drives on Unit Two and one control rod drive on Unit One were made inoperable without verifying shutdown margin or fully inserting the rods then electrically disarming the directional control valve as required by Technical Specification 3.3.A.2.b. The control rod drives involved on Unit Two were 38-07 and 46-55. The control rod drive on Unit One was 06-43. All three control rods were peripheral rods and were fully withdrawn.

VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

The overall affect on Reactor safety was minimized by the following:

- a. The control rod drives for Unit Two were not made inoperable at the same time.
- b. The control rods for both Unit One and Unit Two are located in low power areas of the core.
- c. All other control rod drives on both units were operable.

VII. CAUSE:

The cause of this occurrence was personnel failure to follow procedures. The Shift Engineer confused the requirements for an inoperable control rod drive with the requirements for an inoperable control rod accumulator. Therefore, his concern was that no other control rod in a nine rod square array around each control rod drive was inoperable.

VIII. CORRECTIVE ACTION:

All shift licensed personnel were retrained on the proper use of the pertinent Operating Department procedures and on the difference between an inoperable accumulator and an inoperable drive.



**Commonwealth Edison**

Quad Cities Nuclear Power Station  
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Cordova, Illinois 61242  
Telephone 309/654-2241

NJK-83-187

May 23, 1983

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, Units One and Two  
Docket Numbers 50-254 and 50-265; DPR-29 and DPR-30  
Appendix A, Sections 3.3.A.2.b and 6.6.B.1.f

Enclosed please find Reportable Occurrence Report Number R0 83-07/01T-0 for Quad-Cities Nuclear Power Station. This occurrence was previously reported to Region III, Office of Inspection and Enforcement by telephone on May 10, 1983 and by telecopy (May 10, 1983).

This report is submitted to you in accordance with the requirements of Technical Specification 6.6.B.1.f; personnel error which prevents or could prevent, by itself, the fulfillment of the functional requirements of systems used to cope with accidents analyzed in the SAR.

Respectfully,

COMMONWEALTH EDISON COMPANY  
QUAD-CITIES NUCLEAR POWER STATION

N. J. Kalivianakis  
Station Superintendent

NJK:DGC/bb

Enclosure

cc B. Rybak  
N. Chrissotimos  
INPO Records Center

MAY 26 1983

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