

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	1	L	Q	A	D	2	2	0	0	0	-	0	0	0	-	0	0	0	3	4	1	1	1	1	4			5	
7	8	9	LICENSEE CODE					14	15	LICENSE NUMBER										25	26	LICENSE TYPE					30	57	CAT	58

CON'T

0	1
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REPORT SOURCE

L	6	0	5	0	0	0	2	6	5	7	1	0	1	6	7	9	8	1	1	1	4	7	9	9
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60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

0 2 | While performing the Reactor Low-Low Water Level Calibration, procedure QIS 11-1,
0 3 | level switch LIS 2-263-72A failed to trip when given a low-low reactor water signal
0 4 | (T.S.3.2). The other three switches were found to be fully operable and would have
0 5 | given the proper ECCS initiation signal had a low-low reactor water level occurred.
0 6 | Subsequently, the automatic initiation capability of ECCS was always operable.

0 3 |

7 8 9

09		SYSTEM CODE S F		CAUSE CODE E		CAUSE SUBCODE A		COMPONENT CODE I N S T R U				COMP. SUBCODE S		VALVE SUBCODE Z	
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
LER NO REPORT NUMBER		EVENT YEAR 7 9		SEQUENTIAL REPORT NO. 0 2 3		OCCURRENCE CODE 0 3		REPORT TYPE L		REVISION NO. 0					
ACTION TAKEN A		FUTURE ACTION Z		EFFECT ON PLANT Z		SHUTDOWN METHOD Z		HOURS 0 0 0 0		ATTACHMENT SUBMITTED Y		NPRD-4 FORM SUB. Y		PRIME COMP. SUPPLIER N	
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48

1 0 | The cause of this occurrence was the failure of one of four mercury wetted magnetic
1 1 | switches enclosed in Yarway level indicator LIS 2-263-72A. Corrective action was to
1 2 | replace the switch with a like switch. The new switch was installed and tested
1 3 | satisfactory on October 16, 1979.

1	4	
7	3	9

FACILITY STATUS (1) 5 (E) (28) % POWER (0) 5 (0) (29) OTHER STATUS (30) NA METHOD OF DISCOVERY (B) (31) DISCOVERY DESCRIPTION (32) Routine Test

ACTIVITY CONTENT
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35)
1 6 Z (33) Z (34) NA
7 8 9 10 11 44

LOCATION OF RELEASE (36)
NA
45 80

PERSONNEL EXPOSURES		NUMBER		TYPE	DESCRIPTION
1	7	0	0	0	NA

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	0	0	0	41	NA

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													
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PUBLICITY
ISSUED DESCRIPTION (45) 7911300507 NRC USE ONLY
2 0 N 44 NA

NAME OF PREPARER D. Hannum

PHONE: 309-654-2241 ext. 179

- I. LER NUMBER: LER/RO 79-23/03L-0
- II. LICENSEE NAME: Commonwealth Edison Company
Quad-Cities Nuclear Power Station
- III. FACILITY NAME: Unit Two
- IV. DOCKET NUMBER: 050-265
- V. EVENT DESCRIPTION:
At 11:00 AM on October 16, 1979, while performing the Reactor Low-Low Water Level Calibration, procedure QIS 11-1, level switch LIS-2-263-72A failed to trip when given a low-low reactor water level signal.
- VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE:
Level switch LIS 2-263-72A is one of four low-low level switches which initiate the Emergency Core Cooling System (ECCS) Logic. The other three switches were tested during the same calibration and were found to be fully operable. These switches are arranged in a one-out-of-two-twice logic. The other three operable switches would have given the proper ECCS initiation signal had a low-low reactor water level occurred. Subsequently the automatic initiation capability of ECCS was always operable and safe reactor operation was not affected by this occurrence.
- VII. CAUSE:
The level indicating switch that failed, LIS-2-263-72A, is one of four mercury wetted magnetic switches enclosed in the Yarway level indicator. A magnet moves on the arm of the level indicator causing each of these switches to close. The switch that failed was the one that closes on low-low reactor water level. There was no observed physical damage to the switch.
- VIII. CORRECTIVE ACTION:
Corrective action taken was to replace the switch with a like switch. The new switch was installed and tested satisfactorily on October 16, 1979.