

LICENSEE EVENT REPORT

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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

L	6	0	5	0	0	2	6	5	7	0	8	3	1	7	8	8	0	9	2	6	7	8	9	
60	61	DOCKET NUMBER						68	69	EVENT DATE						74	75	REPORT DATE						80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

On August 31, 1978 the Main Steam Line Radiation Monitor, 2-1705-2D, failed in a
downscale condition. The other Main Steam Line Radiation Monitor in RPS channel
"B" and both radiation monitors in channel "A" were operable during this occurrence
and would have performed their intended function if needed.

SYSTEM CODE 1 A (11)		CAUSE CODE E (12)		CAUSE SUBCODE E (13)		COMPONENT CODE I N S T R U (14)				COMP. SUBCODE X (15)		VALVE SUBCODE Z (16)	
EVENT YEAR 7 8 (17)		SEQUENTIAL REPORT NO. 0 3 0 (18)		OCCURRENCE CODE 0 3 (19)		REPORT TYPE L (20)		REVISION NO. 0 (21)		ACTION TAKEN E (22)		FUTURE ACTION Z (23)	
EFFECT ON PLANT Z (24)		SHUTDOWN METHOD Z (25)		HOURS 0 0 0 0 (26)		ATTACHMENT SUBMITTED Y (27)		NPRD-4 FORM SUB. Y (28)		PRIME COMP. SUPPLIER N (29)		COMPONENT MANUFACTURER G 0 8 0 (30)	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause of this occurrence is attributed to instrument drift enhanced by an
1 1 elevated chassis ambient operating temperature. Corrective action was to place
1 2 the RPS in a safe condition by tripping the "B" channel. The temperature problem
1 3 was corrected. The monitor was then bench tested, recalibrated, and functionally
1 4 tested satisfactorily.

7 8 9
FACILITY STATUS (E) (28) % POWER (0) (9) (8) (29) OTHER STATUS (30)
1 5 7 8 9 10 11 12 13 44
METHOD OF DISCOVERY (A) (31) DISCOVERY DESCRIPTION (32)
Operator Observation 45 46 8

7 8 9
ACTIVITY CONTENT
RELEASED OF RELEASE (Z) (33) (Z) (34) AMOUNT OF ACTIVITY (35)
1 6 7 8 9 10 11 12 13 44
NA LOCATION OF RELEASE (36)
45 46 8

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	(37) Z (38) NA (39)				

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	2	0	0	0	NA

LOSS OF OR DAMAGE TO FACILITY (43)
TYPE DESCRIPTION (42) NA

PUBLICITY
 ISSUED (0) N (44) DESCRIPTION (45) NA
 7810170202 S
 NRC USE ONLY
 8 9 10 68 69 8

NAME OF PREPARER J. Schnitzmeyer

NRC USE ONLY

68 69

309-654-2241, Ext 252

PHONE:

- I. LER NUMBER: LER/RO 78-30/03L-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:

On August 31, 1978 at 2:00 a.m., the Main Steam Line Radiation Monitor 2-1705-2D failed in the downscale position. Unit Two was in the RUN mode operating at 780 MWe and 2465 MWt. At 2:10 a.m. the "B" Reactor Protection System (RPS), channel was placed in the tripped condition in accordance with procedure QOA 900-3-B-2, until repairs could be made under work request number 4005-78.

VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

The other main steamline radiation monitor in RPS channel "B" (2-1705-2B) and both radiation monitors in channel "A" were operable during this occurrence and would have performed their intended function if needed. The effected "B" RPS channel was placed in the tripped condition. If a high radiation condition had occurred, the "A" RPS channel radiation monitors would have tripped, causing a Group I Primary Containment Isolation and reactor scram. No adverse safety implications were presented by this event.

VII. CAUSE:

The cause of this occurrence is attributed to component failure. The downscale condition was due to instrument drift. The radiation monitor was recalibrated and bench tested. During bench testing, it operated properly and no other malfunctions were found.

The downscale drift of this instrument was enhanced by higher than normal ambient temperatures in the control room where the chassis of radiation monitor 2-1705-2D is located. The high control room temperatures are of a temporary nature and are a result of work being done on the service building ventilation system, which is a major fire protection modification (M-4-1/2-76-11).

The 2-1705-2D radiation monitor was manufactured by the General Electric Company and is model number 194X629G7.

VIII. CORRECTIVE ACTION:

The immediate corrective action was to place the RPS in the safe condition by tripping the "B" channel. The radiation monitor was then recalibrated and bench tested. The radiation monitor was reinstalled and procedure QIS 31-1, Main Steam Line Radiation - Log Rad Monitor Chassis - S.T. 31A was performed. Under this procedure the radiation monitor was calibrated and functionally tested satisfactorily. Fans have been placed in the control room panels to assure that a desirable ambient temperature is maintained until the new ventilation system is fully operable.