

# LICENSEE EVENT REPORT

CONTROL BLOCK

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

1 L 0 A D 1 0 0 0 - 0 0 0 - 0 0 0 4 1 1 1 1 1

CONT

REPORT SOURCE L 0 5 0 0 0 2 5 4 0 9 2 9 7 8 1 0 2 7 7 3

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

On September 29, 1978, the A SJAE off gas log radiation monitor failed downscale.

The monitor was failed upscale in accordance with Technical Specification 3.2.0.2 in

order to ensure that an off gas system isolation would occur in the event that the

B monitor tripped either upscale or downscale.

SYSTEM CODE M C 11 CAUSE CODE E 12 CAUSE SUBCODE E 13 COMPONENT CODE I N S T R U 14 COMP. SUBCODE E 15 VALVE SUBCODE Z 16

LER/RO REPORT NUMBER 17

EVENT YEAR 1 7 8

SEQUENTIAL REPORT NO. 0 2 8

OCCURRENCE CODE 0 3

REPORT TYPE L

REVISION NO. 0

ACTION TAKEN E 18

FUTURE ACTION Z 19

EFFECT ON PLANT Z 20

SHUTDOWN METHOD Z 21

HOURS 0 0 0 0

ATTACHMENT SUBMITTED Y 23

NPRD-4 FORM SUB. N 24

PRIME COMP. SUPPLIER N 25

COMPONENT MANUFACTURER G 0 8 0 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

The cause of this event is due to component failure. The A radiation monitor high

voltage power supply capacitors had loosened and were not in proper contact with

the monitor chassis. The capacitors were tightened down and the monitor was calibrated

and satisfactorily tested.

FACILITY STATUS E 28 % POWER 0 8 3 29 OTHER STATUS NA 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION Operational Observation 32

ACTIVITY CONTENT RELEASED OF RELEASE Z 33 Z 34 AMOUNT OF ACTIVITY NA 35 LOCATION OF RELEASE NA 36

PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION NA 39

PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION NA 41

LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43

PUBLICITY N 44 DESCRIPTION NA 45

- I. LER NUMBER: LER/RO 78-28/03L-0
- II. LICENSEE NAME: Commonwealth Edison Company  
Quad-Cities Nuclear Power Station
- III. FACILITY NAME: Unit One
- IV. DOCKET NUMBER: 050-264
- V. EVENT DESCRIPTION:

On September 29, 1978, while Unit One was in the RUN mode operating at 2077 MWt and 628 MWe, the A SJAE off gas log radiation monitor failed downscale. An instrument mechanic was dispatched to investigate the cause of the failure. During the ensuing investigation, the A monitor was failed upscale in accordance with Technical Specification 3.2.D.2, in order to ensure that an off gas system isolation would occur in the event that the B monitor tripped either upscale or downscale. Later that day, the B monitor momentarily spiked downscale and started the off gas isolation 15-minute timer. The B monitor returned to normal after spiking and the timer was reset.

VI. PROBABLE CONSEQUENCES:

The off gas monitoring system utilizes two separate radiation sensors located at the beginning of the off gas holdup pipe. Upon sensing either a high radiation condition by both monitors or a high radiation condition by one monitor coupled with a downscale failure of the remaining monitor, a 15-minute timer is initiated. At the end of the 15 minutes, the chimney off gas isolation valves close, stopping any further off gas flow to the main chimney. Since steps were taken to fail the A monitor upscale when the inoperability was discovered, the B monitor would have initiated the 15-minute timer and isolation would have occurred in the event of a high radiation condition.

VII. CAUSE:

An investigation revealed that the A radiation monitor high voltage power supply capacitors had loosened and were not in proper contact with the monitor chassis. This condition caused the A monitor downscale failure. The instrument department checked the B monitor, but found no apparent cause for the spurious downscale spike.

The monitors were manufactured by General Electric and are model number 194X62967.