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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)80CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)NRC USE ONLY

PHONE 309-654-2241 Ext. 179

- I. LER NUMBER: LER/RO 79-19/03L
- 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 September 10, 1979 at 12:30 a.m., while the Unit operator was routinely checking the Unit Two Control Room panel boards, the 2A Reactor Building ventilation monitor was found to be failed downscale. The 2B monitor was functionally tested to be operating properly. Unit Two was in the RUN mode, operating at a core thermal power of 1650 MWt and an electrical load of 485 MWe.
- VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE: Even though the Channel A Reactor Building ventilation monitor had failed, the 2B Reactor Building ventilation monitor located in the exhaust duct remained operable. The control logic of these units is such that one upscale trip or two downscale trips will initiate the Standby Gas Treatment System and isolate the Reactor Building ventilation system. Since the 2A Reactor Building ventilation monitor failed in the downscale position, it failed in a safe direction; thus, either an upscale or downscale trip of the 2B monitor would have initiated the required protective function.
- VII. CAUSE: Two blown fuses were found in the 2A monitor circuitry. Also, two capacitors in the 2A monitor power supply had failed. The power supply is manufactured by General Electric Company, model number G1.
- VIII. CORRECTIVE ACTION: Work request Q00895 was written to repair the power supply. Two new capacitors were installed in the 2A monitor power supply, the blown fuses were replaced, and the monitor was then found to operate satisfactorily. The 2A monitor was returned to service and functionally tested within the 24-hour limitation specified in Technical Specification 3.2.E.2.