



- I. LER NUMBER: LER/RO 81-12/03L-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 0010 on May 18, 1981, while performing surveillance testing, QOS 1000-3, for a Unit Two Diesel Generator outage, valve M0-2-1001-7B was closed but would not re-open from the Control Room. After repeated attempts were made to open the valve from the Control Room without success, the valve was manually opened.

- VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

The safety aspects of this event are minimal. The failure of the M0-2-1001-7B valve to open prohibited the "B" RHRS pump to take its normal suction from the pressure suppression pool, thereby rendering the pump inoperable for use in the LPCI mode of RHRS. However, the other three RHRS pumps were fully operable, hence the LPCI and containment cooling modes of the RHRS were still capable of performing their designed functions.

- VII. CAUSE:

The cause of the deviation was equipment failure. The auxiliary contacts in the circuit breaker failed to disengage. With the auxiliary contacts engaged, the opening coil was unable to energize, therefore disabling the valve.

- VIII. CORRECTIVE ACTION:

The valve was immediately manually opened. Work Request Q12549 was initiated to investigate and correct the cause of the deviation. The auxiliary contacts in the circuit breaker were replaced like for like under this Work Request. M0-2-1001-7B was tested satisfactorily at 3:05 p.m. on May 18, 1981. No further corrective action was necessary. On September 5, 1979, the M0-2-1001-7C valve failed to close during testing due to faulty auxiliary contacts.