

## (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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PUBLICITY  
 ISSUED DESCRIPTION (45) NA  
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- I. LER NUMBER: 80-32/01T
- 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 November 16, 1980, the unit was being operated at 823 MWe. At 0300, during the routine monthly performance of QOS 1300-3, "RCIC Motor Operated Valve Operability Test", it was discovered that MO-2-1301-49 would not open from the Control Room. Per Technical Specification 3.5.E.2. HPCI was started to demonstrate its operability to allow continued operations of the unit. During the test, annunciator 902-3-G-10, HPCI Hi/Lo Oil Level, alarmed. Upon personnel arriving at the HPCI turbine, it was discovered that the HPCI stop valve cover was leaking oil, and HPCI was subsequently declared inoperable.

Since the criteria of Technical Specification 3.5.E.2. could not be met, an orderly shutdown of the reactor was initiated. There are no previous instances of this mode of HPCI failure. At 1020 and 1145 RCIC and HPCI were respectively restored to service and the shutdown was terminated at 1340 on November 16.

VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

Per Technical Specification 3.5.E.3., continued reactor operation is not allowed with both the RCIC and HPCI systems inoperable. In accordance with 3.5.E.3. an orderly shutdown was initiated in order to reduce pressure to less than 90 psig within 24 hours. At all times the unit was operated in compliance with the Technical Specifications. In addition, normal feedwater, Automatic Blowdown, LPCI, and Core Spray were available.

VII. CAUSE:

Upon examination of the defective valve cover a pinhole leak was discovered. This was located between the outer cast surface, and an interior machined surface. It was postulated that the pinhole began as a defect in the casting process and became worse under pressure. The stop valve is an integral part of the HPCI turbine supplied by General Electric Company.

VIII. CORRECTIVE ACTION:

The valve cover was replaced by an identical part from Unit 1 which is shutdown for refueling. The defective cover will be weld repaired and installed on Unit 1 before its startup. QOS 2300-2, HPCI Pump Operability, was completed to demonstrate the operability of Unit 2 HPCI.