U. S. NUCLEAR REGULATURY CUMMISSIUM NEC FORM 366 (7-77) LICENSEE EVENT REPORT (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) 10 CONTROL BLOCK: 10 1 1 1 1 4 01(3) 41 0 0 01 0 (2)0 LICENSE NUMBE LICENSEE CODE CON'T 4 8 0 (9) 1 1 6 8 0 3 1 605002650 11 REPORT 0 1 SOURCE EVENT DATE DOCKET NUMBER EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) While demonstrating HPCI operability due to the RCIC system being inoperable, an 0 2 oil leak was discovered on the HPCI stop valve cover. This leak caused HPCI to be 0 3 inoperable. An orderly shutdown was initiated in accordance with Technical 0 4 Specification 3.5.C.3. In addition, Automatic Blowdown, LPCI and Core Spray were 0 5 available as back up. 0 6 COMP SUBCODE CAUSE CAUSE SYSTEM COMPONENT CODE SUBCODE CODE ID X (14 X (15 16 C1(13 V IE. ALL S 1 F E 14 REVISION OCCURRENCE REPORT SEQUENTIAL NO CODE TYPE REPORT NO EVENT YEAR LER/RO REPORT 0 IT 011 10 13 12 8 10 32 NUMBER 31 COMPONENT PRIME COMP NPRD-4 SUBMITTED METHOD HOURS (22) FORM SUB SUPPLIER | N | 25 10 18 G 10 1(24) Y 23 Y 01 0 A (21) 01 B A 18) CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27 Upon examination of the control valve cover, a pinhole leak was discovered on the 1 0 cover's outer cast surface and the interior machined surface. An orderly shutdown was initiated. The cover was replaced with the cover from HPCI on Unit 1 which is currently in a refuel outage. The HPC1 system was returned to service before the 24 hour limitation and was tested satisfactorily. 80 12 METHOD OF (30) DISCOVERY DESCRIPTION (32 FACILIT OTHER STATUS % POWER Operational (28) (29 4 80 46 ACTIVITY CONTENT LOCATION OF RELEASE (36) AMOUNT OF ACTIVITY (35) RELEASED OF RELEASE NA 134 NA PERSONNEL EXPOSURES DESCRIPTION (39) NUMBER TYPE 0 (37) 01 Z (38) NA 0 80 PERSONNEL INJURIES DESCRIPTION (41 NUMBER 0 (40) NA 01 01 80 OSS OF OR DAMAGE TO PACILITY (43) DESCRIPTION NA Z (42 NRC USE ONLY PUBLICITY DESCRIPTION (45 NA 44 N 63 RR PHONE 309-454-2241, ext. 174 458 90 R C Tubbs NAME OF PREPARER

- 1. 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, LPC1, 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.