

## LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

LICENSEE CODE

LICENSE NUMBER

LICENSE TYPE

CAT 58

CON'T

REPORT  
SOURCE

DOCKET NUMBER

EVENT DATE

REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

While performing QOS 1000-5, RHR Containment Cooling Valve Operability Test, the breaker for valve M0-2-1001-37B tripped when attempting to close the valve. The consequences are minimal because the "A" containment cooling loop was fully operable if the need had arisen. The "B" loop was only partially affected with the containment cooling mode of RHRS remaining fully operable.

SYSTEM  
CODECAUSE  
CODECAUSE  
SUBCODE

COMPONENT CODE

COMP.  
SUBCODEVALVE  
SUBCODELER/RO  
REPORT  
NUMBER

EVENT YEAR

SEQUENTIAL  
REPORT NO.OCCURRENCE  
CODEREPORT  
TYPEREVISION  
NO.ACTION  
TAKENFUTURE  
ACTIONEFFECT  
ON PLANTSHUTDOWN  
METHOD

HOURS

ATTACHMENT  
SUBMITTEDNPRD-4  
FORM SUB.PRIME COMP.  
SUPPLIERCOMPONENT  
MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The cause of this occurrence was high motor starting current. This is felt to be caused by a corrosion buildup internal to the valve. The breaker rating was increased from 20 to 35 amps which is identical to other motor operators of the same size. The valve will be disassembled and inspected during the next refueling outage.

FACILITY  
STATUS

% POWER

OTHER STATUS

METHOD OF  
DISCOVERY

DISCOVERY DESCRIPTION

ACTIVITY  
RELEASEDCONTENT  
OF RELEASE

AMOUNT OF ACTIVITY

LOCATION OF RELEASE

PERSONNEL EXPOSURES

NUMBER

TYPE

DESCRIPTION

PERSONNEL INJURIES

NUMBER

DESCRIPTION

LOSS OF OR DAMAGE TO FACILITY

TYPE

DESCRIPTION

PUBLICITY

NRC USE ONLY

ISSUED

DESCRIPTION

Erich Weinfurter

PHONE

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8106 090 702

- I. LER NUMBER: LER/RO 81-09/03L-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:

On May 4, 1981 at 2330, while performing Residual Heat Removal System Containment Cooling Valve Operability Test, QOS 1000-5, the breaker for valve M0-2-1001-37B tripped during an attempt to close the valve. M0-2-1001-37B is the motor operated valve to the suppression chamber spray header. Work Request Q12367 was written to investigate the problem. This is the first failure of this valve.

VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

The consequences of this occurrence were minimized because the "A" Loop of RHRS was fully operable and available, had the need arisen. The containment cooling mode was still available in the "B" Loop and the suppression chamber cooling mode was available after the breaker for M0-2-1001-37B was reset. The LPCI mode of RHRS was not effected by the failure of valve M0-2-1001-37B.

VII. CAUSE:

The cause of this occurrence was high starting current in the valve's motor operator. The valve is a six inch Glove Valve manufactured by Crane Company, with a SMB-00, Limitorque Motor Operator. No other problems could be found at this time.

VIII. CORRECTIVE ACTION:

A Work Request was initiated for Mechanical Maintenance to check the valve during the next refuel outage. The instantaneous peak amperage setting was changed from 20 amps to 35 amps, to make the breaker trip setting equivalent to that of other breakers for similar motor operators. The 20 amp trip setting is a field setting which could have been set during initial installation of the breaker. Operating experience has shown, however, that the 35 amp trip setting is a proper trip setting so that starting current surges do not trip the breaker. The breaker trip setting was adjusted to 35 amps, and the valve stroked three times satisfactorily. Adjustment of the breaker trip setting has no effect on the thermal overload protection for the valve's motor operator. QOS 1000-5 was performed successfully at 0125, May 5, 1981.