

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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

(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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

CON'T
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 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 While performing a routine Hydraulic Snubber Surveillance Inspection in accordance
0 3 with Technical Specification 4.6.1.1, two snubbers were found to be inoperable. The
0 4 safety implications of this event are minimized by the fact that Unit Two did not
0 5 experience any seismic event or other severe transient during the operating period
0 6 since the previous snubber surveillance.

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SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
X X 11 E 12 B 13 S U P P O R T 14 D 15 Z 16
EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.
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
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
D 18 Z 19 Z 20 Z 21 0 0 0 0 Y 23 Y 24 A 25 B 2 1 b 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause of this event is due to component failure. Both snubbers failed due to
1 1 hydraulic fluid leakage through hardened O-rings. The Mark 183 snubber was rebuilt.
1 2 and the Mark 175 snubber was replaced with a spare.

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1 4

FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION
G 28 0 0 0 29 NA B 31 Surveillance Inspection

ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE
Z 33 Z 34 NA NA

PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION
0 0 0 37 Z 38 NA

PERSONNEL INJURIES NUMBER DESCRIPTION
0 0 0 40 NA

LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION
Z 42 NA

PUBLICITY ISSUED DESCRIPTION
Z 44 NA

781124 0193

NAME OF OPERATOR J. Kopacz PHONE 309-654-2241, ext 248

- I. LER NUMBER: LER/RO 78-33/03L-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 September 30, 1978, with Unit Two shutdown for routine maintenance, an inspection of hydraulic snubbers was performed, using procedure QMS 800-3. Two snubbers were found to have empty hydraulic fluid reservoirs. Work request numbers 4531-78 and 4532-78 were issued to initiate repairs before startup as required by Technical Specification 3.6.1.4.

Of the two snubbers, snubber Mark 183 is located on core spray line (2-1404-10"), and snubber Mark 175 is located on the Target Rock safety relief valve (2-203-3A).

VI. PROBABLE CONSEQUENCES:

Snubbers are designed to allow for pipe movement due to thermal and vibration changes, but control excessive movement in the event of a seismic disturbance. The safety implications of this occurrence were minimal due to the fact that the probability of seismic disturbances are extremely low. In addition, there were other operational snubbers in close proximity to the two snubbers that were found inoperable.

VII. CAUSE:

The Mark 183 snubber, which was disassembled and rebuilt, was found to have hardened O-ring seals, which allowed fluid leakage. The Mark 175 snubber was replaced with a new snubber of the same type. The fluid leakage from the Mark 175 snubber also appears to have been caused by hardening of the O-ring seals. The Mark 175 snubber will be rebuilt at a latter date. Both snubbers are manufactured by the Bergen & Patterson Company.

VIII. CORRECTIVE ACTION:

The Mark 183 snubber was rebuilt. The Mark 175 snubber was replaced with a new snubber of the same type.

Because the current snubber surveillance schedule as required by Technical Specification 4.6.6 is adequate to control failures, no further action is deemed necessary. Additionally, the station is considering installing mechanical snubbers in the future.