

- 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 Bergan & 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.