



Commonwealth Edison
Quad-Cities Nuclear Power Station
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BBS-73-19

February 6, 1973



Mr. Angelo Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

Reference: Quad-Cities Nuclear Power Station - Unit 2
License No. DPR-30, Docket No. 50-265
Sections 3.5.G.2 and 6.6.B.

Dear Mr. Giambusso:

The purpose of this letter is to inform you of the details regarding an incident in which RHR pump 2C discharge check valve was leaking. This incident was reported to you by telegram on January 30, 1973.

DESCRIPTION OF THE INCIDENT

On January 30, 1973, Unit 2 was operating at approximately 90 per cent power. At 2:53 a.m., RHR pump 2C was run in order to pump down the water level in the pressure suppression chamber. At 3:15 a.m. the pump was shutdown after the torus level had reached zero on the control room level indicator. At that time, it was observed that the RHR discharge header pressure could not be maintained. The pump was re-started and shut down, and the same conditions prevailed as before. All motor operated valves were checked, and verified operable, and in normal position. The problem was pinpointed by closing the cross-tie between the two RHR loops. When this was done, A loop held pressure and B loop did not. The valve from the pressure suppression chamber to the 2C RHR pump suction, 2-1001-7C, was closed, and pressure was maintained in the B loop. It was therefore determined that the 2C RHR pump discharge check valve 2-1001-67C was leaking back and causing the B loop to lose pressure.

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INVESTIGATION AND CORRECTIVE ACTION

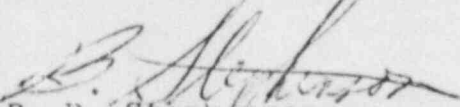
RHR pump 2C was taken out of service to inspect the check valve and the required surveillance of Technical Specification 3.5.A.4 was done. When the check valve was removed and disassembled a piece of wire was discovered between the disc and seat.

On February 1, 1973, 2C RHR pump was returned to service, tested satisfactorily, and declared operable. The pressure in B loop was maintained by the ECCS Fill System after the pump was shutdown.

The origin of the wire could not be determined. A grinder arbor was also removed from the piping at the check valve however, it was not interfering with valve operation. Although the RHR loop could not be pressurized with the leaking check valve, it is believed that the leakage could not have been large enough to affect the operability of the other 3 pumps at anytime. Even if the system were not filled the RHRS would still perform its design function as stated in the Basis for Specification 3.5.G.

Very truly yours,

COMMONWEALTH EDISON COMPANY
Quad-Cities Nuclear Power Station


B. B. Stephenson
Plant Superintendent

BBS/zm