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NJK-74-160

July 18, 1974

Mr. John F. O'Leary, Director
Directorate of Licensing
Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545

Reference: Quad-Cities Nuclear Power Station, Units 1 and 2, Docket No. 50-254 and 50-265, DPR-29 and DPR-30, Abnormal Occurrence Report Letters of April 15, 1974, and May 24, 1974

Dear Mr. O'Leary:

The purpose of this letter is to provide you with further details regarding the above referenced Abnormal Occurrence Reports. The reports discussed the discovery of a failure of the 1A RHR Service Water line and the discovery of a lump in the 2B RHR Service Water line. Further information regarding the failure and proposed courses of action was provided to the Commission by "Quad-Cities Station Special Report 13". Additionally, a proposed Technical Specification change had been submitted to allow the startup of Unit 1 with the modified RHR Service Water System following the end of the present re-fueling outage.

An alternate course of action pursued during the installation of the modified piping was to repair the leak and the lump in the 1A line by working from the inside of the pipe. These repairs have been successful and thus the integrity of the 1A RHR Service Water line has been restored to its original design requirements.

The repairs consisted of removing sections of the pipe that included the rupture and the lump. A section of the temporary pipe support that had caused the rupture and the lump were removed and a repair was made using a section of pipe of the same diameter and material as the original header. A magnetic particle check of the weld was attempted but due to inaccessibility, adequate interpretation of the test was not feasible. A hydrostatic leak test was performed to verify the integrity of the line. The 1A RHR Service Water line was returned to service on July 16, 1974.

Installation of the cross-tie line between the 1A RHR Service line and the 2A RHR Service Water line, as described in Special Report 13, had been completed prior to completion of the internal repairs to the original 1A line. However, it is now not necessary to utilize the cross-tie since the above repairs have been accomplished. The valve on the cross-tie line will be locked closed to maintain segregation of the two RHR Service Water Systems. Since the cross-tie is installed and available if needed, it provides a redundancy to the RHR Service Water Systems that did not previously exist.

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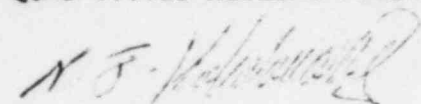
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The lump that was discovered on the Unit 2 'B' RHR Service Water line will be repaired using the above method in the near future. Until that time, more frequent flow surveillance is in effect to assure the continued integrity of the line. Notification of repairs to the 2B line will be submitted to you upon their completion.

Because of the restoration of the 1A RHR Service Water line to its original design requirements, the proposed Technical Specification change as submitted is no longer necessary. Operation of the Units will continue in its original manner. A new proposal for change to the Technical Specifications will be submitted to provide for the presence of the cross-tie line and its use if needed in the future.

Very truly yours,

COMMONWEALTH EDISON COMPANY
QUAD-CITIES NUCLEAR POWER STATION



N. J. Kalivianakis
Station Superintendent

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cc: Region III, Directorate of Regulatory Operations
J. S. Abel