



Commonwealth Edison
Quad-Cities Nuclear Power Station
Post Office Box 216
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BBS-73-89

May 11, 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
Docket Numbers 50-254 and 50-265
DPR-29 and 30, Appendix B,
Section 1.1 and 3.1.A.

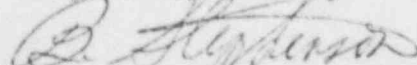
Dear Mr. Giambusso:

The purpose of this letter is to report chlorine residual concentrations in the discharge bay in excess of the limiting conditions for operation in the nonradiological technical specifications. The limit of 0.1 ppm free and combined chlorine in the discharge bay was exceeded on several occasions since my last report on this subject dated April 14, 1973.

On April 13, 1973, station personnel sampled the discharge bay. The total chlorine residual registered as high as 0.65 ppm with 496 gallons of sodium hypochlorite being injected. On April 15, 1973, the unit two sodium hypochlorite system and condensers were taken out of service until April 27, 1973 for a planned spring outage. On April 18, 1973, the discharge bay was again sampled during the injection of 236 gallons of sodium hypochlorite to the unit one condenser. The maximum free and total chlorine levels detected were 1.0 ppm. On April 21, 1973, the unit one hypochlorite injection system was taken out of service until May 8, 1973, for a planned spring outage.

Throughout this reporting period the system was operated three times a day with the flow manually set at 10 gallons per minute. During the April outage, both unit one and unit two condenser tubes were cleaned. An attempt is now being taken to determine a minimum injection rate required to maintain tube cleanliness based on river demand and unit performance data.


Very truly yours,


B.B. Stephenson
Plant Superintendent

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inquiry

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