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Carolina Power & Light Company

H. B. ROBINSON STEAM ELECTRIC PLANT
Post Office Box 790
Hartsville, South Carolina 29550

August 26, 1977

Robinson File No. 2-0-4-a-1

Mr. James P. O'Bailey, Director
U. S. Nuclear Regulatory Commission
Region II, Suite 1217
230 Peachtree Street, N.W.
Atlanta, Georgia 30303

Dr. Ernst Volgenau, Director
U. S. Nuclear Regulatory Commission
Directorate of Regulatory Operations
Washington, D. C. 20555

Dear Sirs:

In accordance with Section 6.9.2 of the plant Technical Specifications, the following report is submitted for your information.

On August 25, 1977, Westinghouse, Inc. notified the H. B. Robinson staff of a probable error in the calculation of sodium hydroxide concentration in the containment spray additive tank. A check of the procedure in use at the Robinson Plant verified this fact.

Although an error in the procedure did occur, the concentration of sodium hydroxide was determined to be greater than the minimum allowed by the Technical Specifications. The tank in question was filled in 1970 with the proper concentration and as no additions or dilutions have taken place since that time, and since the concentration is currently within allowable limits, it is safe to assume that no limiting conditions for operation have been exceeded.

A violation of Section 6.9.2.a.6 did occur as the condition could have prevented the system from fulfilling its requirements had the concentration fallen below the Technical Specification limit.

The following corrective actions have been taken.

- 1) The sodium hydroxide tank concentration has been increased by addition of a higher concentrated solution.

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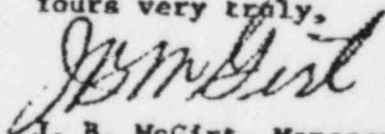
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- 2) A new sodium hydroxide analysis has been initiated which will determine concentration by gravimetric rather than volumetric methods.

The Plant Nuclear Safety Committee has reviewed this incident and concurs with the corrective measures.

This was reported by telephone to Mr. Hugh Dance of NRC Region 2 and to Mr. H. R. Banks of CP&L Company on August 26, 1977

Yours very truly,



J. B. McGirt, Manager
H. B. Robinson SEG Plant

JBM/ld