



Carolina Power & Light Company

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

October 26, 1977

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

Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Region II, Suite 1217
230 Peachtree Street, N.W.
Atlanta, Ga. 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.a.5 of the Technical Specifications, the following Reportable Occurrence is submitted:

On October 26, 1977 while operating at approximately 37% power, Reactor shutdown was initiated due to excessive packing leakoff from valve RHR 750. After the reactor was shutdown and in subsequent stabilization of the primary system by makeup and steam dump to the condensers, a Safety Injection signal was received from Hi steamline Δ P. No water was added to the primary system from the safety injection system due to primary system pressure; however, a low Boron Injection tank level alarm was received and investigation revealed that the temperature sensor coupling on the Boron Injection Tank (BIT) had broken allowing the contents to dump to the BIT room floor and drains. The BIT was therefore rendered inoperable. The Safety Injection pumps and the Safety Injection Hot Leg flow path remained operable during this time.

Also upon initiation of the Safety Injection signal, both Diesel Generators failed to start immediately. They prelubed for two minutes, then started.

1. The Reactor is being brought to cold shutdown for repair of valve RHR 750 packing and due to the failure of the BIT temperature sensing element coupling. Investigation is underway and will be completed prior to initiating plant heatup.

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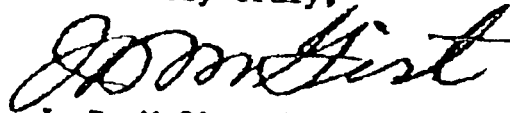
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2. A modification was installed on the diesel start circuitry recently as recommended by the Diesel Generator manufacturers to increase the prelude time to two minutes for "normal" starting. The SI signal was to have bypassed this signal. CP&L engineering is investigating this also.

Both Diesel Generator start failure and BIT failure are violation of Technical Specifications 3.7.1.d and 3.3.1.1.b. This was reported to Mr. Harold Banks of Carolina Power and Light Company and Mr. Darrell Hinckley of the Nuclear Regulatory Commission, Atlanta, October 26, 1977.

Yours very truly,



J. B. McGirt, Manager

H. B. Robinson SEC Plant

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