



June 6, 1973

Mr. F. E. Kruesi, Director  
Directorate of Regulatory Operations  
U.S. Atomic Energy Commission  
Washington, DC 20545

Dear Mr. Kruesi:

On May 8, 1973, TVA made initial report by telephone to AEC-DRO Inspector W. S. Little of the failure of two flow switches at Browns Ferry Nuclear Plant unit 1. In accordance with paragraph 50.55(e) of 10 CFR 50, we submit the enclosed interim report of the failure.

Very truly yours,

A handwritten signature in dark ink, appearing to read "J. E. Gilleland".

J. E. Gilleland  
Assistant to the Manager of Power

Enclosure

CC (Enclosure):

Mr. Norman C. Moseley, Director  
Directorate of Regulatory Operations  
U.S. Atomic Energy Commission  
Region II - Suite 818  
230 Peachtree Street, NW.  
Atlanta, Georgia 30303

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FAILURE OF FLOW SWITCHES  
FIS-68-53 AND FIS-68-66

An initial report of the failure of flow switches FIS-68-53 and FIS-68-66 at the Browns Ferry Nuclear Plant (Unit 1) was made by telephone to W. S. Little, AEC-DRO, Region II Inspector on May 8, 1973, in compliance with 10CFR50.55(e). This is an interim report on those failures.

The glass graduated flow tubes and the glass windows on the above flow switches were found broken after the integrated leakage rate test of the primary containment had been completed. The containment had been pressurized to 49 psig during General Electric test No. 14. The switches had been tested to 225 psig. Each failed switch is located in a cooling water discharge line from the seal cavity of each recirculation pump. The seal cavity cooling water is supplied from and returns to the reactor building closed cooling water system.

We are continuing our investigation into the determination of the safety implications of these failures and the corrective measures required. A final report is expected to be submitted by July 6, 1973.