

TENNESSEE VALLEY AUTHORITY  
CHATTANOOGA, TENNESSEE  
37401



January 4, 1974

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

Dear Mr. Kruesi:

In conformance with paragraph 50.55(e) of 10 CFR 50, this is submitted as an interim report of a possible design deficiency which was initially reported to AEC-DRO Inspector W. S. Little on December 3, 1973. The failure was in connector G9 of electrical penetration EF of Browns Ferry Nuclear Plant unit 2, the worst damage occurring at two pins connected to the 480-volt single phase power outlet to the control rod drive service platform.

Personnel at the construction site have prepared a report describing the failure and that report is being reviewed by engineers in our Division of Engineering Design. Further investigation is required to determine conclusively the cause of failure. We expect to submit a final report by February 3, 1974.

Very truly yours,

J. E. Gilleland  
Assistant to the Manager of Power

CC: Mr. Norman C. Moseley, Director  
Directorate of Regulatory Operations  
U.S. Atomic Energy Commission  
Region II - Suite 818  
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