

TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE
37401



December 10, 1973

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 on a design deficiency in the control logic of HPCI and RCIC systems of our Browns Ferry Nuclear Plant units 2 and 3. Initial report of this deficiency was made to AEC-DRO Region II on November 10, 1973. Had this deficiency not been discovered, a complete loss of plant electrical power would have caused the HPCI and RCIC to be inoperable until manually reset. We are continuing to analyze the safety implications associated with this problem and we are making design changes to these control systems. We will supply a final report on this problem to you by January 10, 1974.

Very truly yours,

J. E. Gilleland
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
230 Peachtree Street, NW.
Atlanta, Georgia 30303

8311090192 730725
PDR ADOCK 05000259
S PDR