

JAN 10 1978

Docket Nos. 50-259
50-260
and 50-296

566 50-259
for encl

Tennessee Valley Authority
ATTN: Mr. Godwin Williams, Jr.
Manager of Power
818 Power Building
Chattanooga, Tennessee 37201

Gentlemen:

This is in response to applications for amendments dated January 12, May 11, July 8, September 23, 26, 27, October 28, November 16, December 13, 1977, and January 3, 1978.

Amendment No. 35 to DPR-33 changes the Technical Specifications to incorporate the limiting conditions for operation associated with Cycle 2 operation of Browns Ferry Nuclear Plant, Unit 1. These changes involve a revised fuel cladding integrity safety limit for minimum critical power ratio (MCPR), revised operating limit MCPR's for both 7x7 and 8x8 fuel assemblies, the addition of linear heat generation rate (LHGR) limits for the 8x8 fuel, revised limits for the maximum average planar linear heat generation rate (MAPLHGR) for the 7x7 and 8x8 fuel assemblies, and reduced limits for scram insertion times. The revised limits for the MAPLHGR result from your reanalysis of the Emergency Core Cooling System performance in response to the Commission's Order of March 11, 1977. We have found your reanalysis to be acceptable. Effective upon issuance of this amendment, the Commission's Order for Modification of License dated March 11, 1977, relative to Facility Operating License No. DPR-33, is terminated. In addition, a restriction on power operation during the initial startup for Cycle 2 has been imposed until sufficient high temperature recirculation has taken place to ensure disintegration of a rubber shoe cover that had fallen into the Unit 1 vessel during the refueling outage.

Amendment Nos. 35 to DPR-33, 32 to DPR-52, and 9 to DPR-68 change the Technical Specifications for each of the Browns Ferry Nuclear Plant Units to clarify the operability requirements of the Rod Worth Minimizer and the Rod Sequence Control System during scram time testing, delete the Annual Operating Report requirements, add standards for qualifications of the Health Physics Supervisor, change the frequency of cycling fire protection system valves from quarterly to annually, and substitute revised, but equivalent, terms in the equations for the limiting settings on the Average Power Range Monitors' scram and rod block setpoints.

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[Signature]

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Copies of the Safety Evaluation and Notice of Issuance are also enclosed.

Sincerely,

ISI

A. Schwencer, Chief
 Operating Reactors Branch #1
 Division of Operating Reactors

Enclosures:

Amendment No. 35 to DPR-33
 Amendment No. 32 to DPR-52
 Amendment No. 9 to DPR-68
 Safety Evaluation
 Notice

cc w/enclosures:
 See next page

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