

TERA



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JULY 12 1979

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

Mr. Hugh G. Parris
Manager of Power
Tennessee Valley Authority
500 A Chestnut Street, Tower II
Chattanooga, Tennessee 37401

Dear Mr. Parris:

Reference is made to your letters of February 23, 1979 and March 9, 1979, and to the conference call with members of your staff on May 17, 1979 regarding stem-mounted limit switches installed on the MSIVs on Browns Ferry Units Nos. 1, 2 and 3. You have stated that these limit switches need not be environmentally qualified for an accident environment for the following reasons and, therefore, will not be replaced with qualified switches.

1. The switches are not needed to mitigate any accident or transient including a fast closure of the MSIV's. No credit has been taken for these limit switches in the analyses provided in the FSAR.
2. The switches do not have any control function and are isolated from all control circuits and the RPS by an interposing relay.
3. The only possible deleterious effect of a failure would be a loss of the position indication derived from the limit switches.

We have reviewed the information which you have provided and have concluded that the following conditions must be satisfied if the unqualified limit switches are not replaced.

1. An analysis must be provided (or a reference if it has previously been provided) to show that the MSLIV closure input to the RPS is not required to mitigate the consequences of a closure of three or more MSLIV's. Such an analysis does not appear to be included in the FSAR.
2. Schematic diagrams must be provided which show all circuits with inputs from the unqualified limit switches and the interposing relay isolating the limit switches from the RPS so that we can verify that the switches do not have any safety function and that they are adequately isolated from the RPS. (Note: The isolation relay and circuit must be Class IE).

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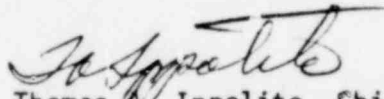
Mr. Hugh G. Parris

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3. An environmentally qualified method of determining MSLIV position from the control room must be provided and the indication devices with input signals derived from the unqualified limit switches must be clearly identified with a permanent tag which: (1) states that they should not be relied on for position indication except during normal operation; and (2) provides a reference to an instrument located in the control room which should be relied on during transient or accident conditions.

Please advise us by August 1, 1979 when you will submit the information requested in 1 and 2 above and your schedule for completing the action described in 3 above.

Sincerely,



Thomas A. Ippolito, Chief
Operating Reactors Branch #3
Division of Operating Reactors

cc: see next page

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Mr. Hugh G. Parris
Tennessee Valley Authority

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cc:

H. S. Sanger, Jr., Esquire
General Counsel
Tennessee Valley Authority
400 Commerce Avenue
E 11B 33 C
Knoxville, Tennessee 37902

Mr. Dennis McCloud
Tennessee Valley Authority
400 Chestnut Street, Tower II
Chattanooga, Tennessee 37401

Mr. E. G. Beasley
Tennessee Valley Authority
400 Commerce Avenue
W 10C 131C
Knoxville, Tennessee 37902

Robert F. Sullivan
U. S. Nuclear Regulatory Commission
P. O. Box 1863
Decatur, Alabama 35602

Athens Public Library
South and Forrest
Athens, Alabama 35611

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