

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

April 5, 1985

Director of Nuclear Reactor Regulation
Attention: Ms. E. Adensam, Chief
Licensing Branch No. 4
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Ms. Adensam:

In the Matter of the Application of) Docket Nos. 50-390
Tennessee Valley Authority) 50-391

During an April 2, 1985 meeting held between TVA and NRC representatives to discuss TVA's March 28, 1985 submittal to NRC concerning fire protection at Watts Bar Nuclear Plant, NRC requested additional clarification related to the reduction of transformer loads to maintain room temperature. Enclosed is the requested information.

If you have any questions concerning this matter, please get in touch with K. Mali of my staff at FTS 858-2682.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

R. H. Shell

R. H. Shell
Nuclear Engineer

Sworn to and subscribed before me
this 5th day of April 1985

Paulette H. White

Notary Public

My Commission Expires 8-24-88

Enclosure

cc: U.S. Nuclear Regulatory Commission (Enclosure)
Region II
Attn: Dr. J. Nelson Grace, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

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ENCLOSURE
WATTS BAR NUCLEAR PLANT
FIRE PROTECTION

Response to NRC Concern Related to Removing Loads
from the 480V Auxiliary Building Common Board Transformer
to Maintain Room Temperature

NRC Concern

On page B7 of the fire protection submittal transmitted by TVA's letter to NRC dated March 28, 1985 it is stated that an operator will remove loads from the 480V Auxiliary Building common board transformer to reduce the heat load in 480V transformer room 1A. Which loads will be removed?

TVA Response

If a loss of offsite power occurs coincident with a fire, the 480V Auxiliary Building common board transformer is not loaded onto the onsite power system. In this situation, no operator action is required to maintain an acceptable room temperature if room cooling is lost. If offsite power is not lost, and a fire results in loss of room cooling, an operator may need to remove loads from the common board transformer to maintain room temperature below 122°F. Since the transformer does not power any components required for safe shutdown, the operator may remove any or all loads, at his discretion.