

September 9, 1993

Docket Nos. 50-390
and 50-391

Tennessee Valley Authority
ATTN: Dr. Mark O. Medford, Vice President
Technical Support
3B Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dear Dr. Medford:

SUBJECT: WATTS BAR NUCLEAR PLANT -- SUPPLEMENTAL SAFETY EVALUATION ON
COMPLIANCE WITH 10 CFR 50.63, STATION BLACKOUT
(TAC NOS. M68624 AND M68625)

The staff's safety evaluation (SE) pertaining to Tennessee Valley Authority (TVA) initial response to the Station Blackout (SBO) Rule, 10 CFR 50.63, was issued by letter dated March 18, 1993. In the SE, the staff indicated that it found TVA's proposed method of coping with an SBO to be acceptable, subject to the confirmation that the expected frequency of a grid-related loss of offsite power (LOOP), based on TVA's experience, does not exceed once in 20 years. TVA provided the above confirmation as well as two clarifications (Class 1E battery design margin and 250V battery adequacy), by letter April 28, 1993.

The staff has reviewed the supplemental information provided by TVA's April 28, 1993 letter and finds it acceptable as delineated in the enclosed supplemental SE. This completes the staff's review efforts on the subject issue.

Sincerely,

Original signed by

Peter S. Tam, Senior Project Manager
Project Directorate II-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

cc w/enclosure:

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