TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

JAN 19 1990

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of	)	Docket Nos. 50-327
Tennessee Valley Authority	)	50-328

SEQUOYAH NUCLEAR PLANT - NRC BULLETIN 89-03, POTENTIAL LOSS OF REQUIRED SHUTDOWN MARGIN DURING REFUELING OPERATIONS

As required by the reporting requirements section of the subject bulletin, this submittal provides a description of planned and completed actions to address the potential loss of required shutdown margin during refueling operations.

TVA has evaluated potential fuel assembly configurations and fuel enrichments to determine allowable configurations that maintain a 5 percent or greater shutdown margin. This evaluation assumed high enrichment fuel assemblies (5 percent by weight uranium -235) and bounds current and future core design plans. SQN's refueling operations and core loading procedures will be revised to reflect the results of the evaluation before refueling operations during the next refueling outage.

The individuals responsible for refueling operations, who are the fuel handling supervisors and test directors, will be trained on the revised procedures before refueling operations during the next refueling outage. The training will include the fundamental aspects of criticality control with higher enrichment fuel assemblies and the potential consequences of violating the procedures.

Summary statements of the commitments contained in this submittal are provided in the enclosure. Please direct questions concerning this issue to K. S. Whitaker at (615) 843-7748.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

W. J. Rogers for

Manager, Nuclear Licensing and
Regulatory Affairs

Enclosure
cc: See page 2

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U.S. Nuclear Regulatory Commission

JAN 19 1990

cc (Enclosure):
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ENCLOSURE

LIST OF COMMITMENTS

1. SQN's refueling operations and core loading procedures will be revised to reflect the results of the evaluation before refueling operations during the next refueling outage.

2. Fuel handling supervisors and test directors will be trained on the revised refueling operations and core loading procedures before refueling operations during the next refueling outage.