



Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee 37379

December 16, 1994

TVA-SQN-TS-94-16

10 CFR 50.90

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

Gentlemen:

In the Matter of )  
Tennessee Valley Authority )

Docket Nos. 50-327  
50-328

SEQUOYAH NUCLEAR PLANT (SQN) - TECHNICAL SPECIFICATION (TS)  
CHANGE 94-16, "DELETION OF 900 REVOLUTIONS PER MINUTE (RPM)  
REQUIREMENT FOR THE DIESEL GENERATOR (D/G) SURVEILLANCES"

In accordance with 10 CFR 50.90, we are enclosing an amendment to Licenses DPR-77 and DPR-79 to change the TSs of SQN Units 1 and 2. The proposed change revises the requirements for the monthly D/G start Surveillance 4.8.1.1.2.a.4 and the 10-year interdependence Surveillance 4.8.1.1.2.e. The requirement to accelerate to at least 900 rpm has been deleted from both surveillances. Word changes have also been incorporated to relate voltage and frequency to the acceptance criteria for D/G starts. The requirement to perform the 10-year surveillance during shutdown has been removed.

The proposed TS change is identified in Enclosure 1. The justification for the proposed TS change is provided in Enclosure 2. A proposed determination of no significant safety hazards consideration performed pursuant to 10 CFR 50.92 is provided in Enclosure 3.

TVA requests expedited processing of the proposed changes to minimize the potential for not meeting the D/G start surveillance requirements to reach at least 900 rpm within 10 seconds. Failure to meet the existing requirements could result in a valid D/G start failure and may invoke accelerated testing unnecessarily. TVA strives to keep D/G starts as low as possible and accelerated testing for an inappropriate reason would be contrary to industry and NRC recommendations for D/Gs. Approval of the proposed change will eliminate D/G failures because of the overly restrictive 900 rpm requirement.

9412220207 941216  
PDR ADDCK 05000327  
P PDR

D0301

U.S. Nuclear Regulatory Commission

Page 2

December 16, 1994

TVA did not anticipate not exceeding 900 rpm on D/G starts, or the proposed TS changes, until after the first D/G was modified and tested with the improved D/G speed controller. Modification and testing was completed on D/G 2A-A in July 1994, and the evaluation of options to resolve the compliance concern with the 900 rpm requirement was completed in September 1994. On September 28, 1994, D/G 2A-A failed the 10-second ambient start test because D/G speed accelerated to and stabilized at 899 rpm, but did not reach 900 rpm. The speed controller setpoint was increased slightly and the test was rerun successfully to return the D/G to operable status. TVA will revise this valid failure of D/G 2A-A, and any other failures of this nature that may occur, to a successful valid test upon approval of the proposed TS change. This action will prevent inappropriate accelerated testing of the D/Gs. The next performances of the affected tests are scheduled for January 1995.

TVA requests a 45-day implementation period for this TS change following issuance.

Please direct questions concerning this issue to Keith Weller at (615) 843-7527.

Sincerely,

*R. H. Shell*

R. H. Shell  
Manager  
SQN Site Licensing

Sworn to and subscribed before me  
this 16<sup>th</sup> day of December 1994

*Gregory M. Billingsley*

Notary Public

My Commission Expires Oct 21, 1998

Enclosures

cc: See page 3

U.S. Nuclear Regulatory Commission  
Page 3  
December 16, 1994

(Enclosures):

Mr. D. E. LaBarge, Project Manager  
Nuclear Regulatory Commission  
One White Flint, North  
11555 Rockville Pike  
Rockville, Maryland 20852-2739

Mr. Michael H. Mobley, Director (w/o Enclosures)  
Division of Radiological Health  
3rd Floor  
L & C Annex  
401 Church Street  
Nashville, Tennessee 37243-1532

NRC Resident Inspector  
Sequoyah Nuclear Plant  
2600 Igou Ferry Road  
Soddy-Daisy, Tennessee 37379-3624

Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323-2711