

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

December 7, 1983

TVA-SQN-TS-50

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
Tennessee Valley Authority

) Docket No. 50-327
) 50-328

On October 24, 1983, TVA submitted a request (TVA-SQN-TS-50) to amend the Sequoyah unit 1 and unit 2 operating licenses, DPR-77 and DPR-79. The proposed amendment requested a change in the technical specifications to revise the allowable value for the diesel generator start and load shed timer listed in Table 3.3-4. Enclosed is a revised justification for the proposed technical specification.

If you have any questions concerning this matter, please get in touch with J. E. Wills at FTS 858-2683.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

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PDR ADOCK 05000327
P PDR

L. M. Mills
L. M. Mills, Manager
Nuclear Licensing

Sworn to and subscribed before me
this 7th day of Dec. 1983

Paulette H. White
Notary Public
My Commission Expires 9-5-84

Enclosure

cc: U.S. Nuclear Regulatory Commission (Enclosure)
Region II
Attn: Mr. James P. O'Reilly Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Mr. Michael H. Mobley, Director (Enclosure)
Division of Radiological Health
T.E.R.R.A. Building
150 9th Avenue North
Nashville, Tennessee 37203

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ENCLOSURE

REVISED JUSTIFICATION FOR PROPOSED TECHNICAL SPECIFICATION CHANGE

TVA-SQN-TS-50

SEQUOYAH NUCLEAR PLANT
UNITS 1 AND 2

The NRC recently approved our proposed changes (TVA-SQN-TS-36, Enclosure No. 5) to the Sequoyah unit 1 and unit 2 technical specifications (T/S) to reflect the installation of undervoltage protection for Class 1E buses. This approval was received on May 5, 1983 by Amendment 29 to Facility Operating License DPR-77 for unit 1 and by Amendment 18 to Facility Operating License DPR-79 for unit 2.

The purpose of this T/S change is to increase the tolerance in the allowable value, specified in Table 3.3-4, for the diesel generator start and load shed timer. As stated in the additional information provided to the NRC by my December 1, 1982 letter, the "error associated with the timers is ± 10 percent for timers with settings greater than or equal to 200 seconds. . ." The manufacturer can only certify a setting of ± 10 percent which yields a ± 30 second value for a setpoint of 300 seconds. However, in order to achieve maximum flexibility for operations, an allowable value of ± 60 seconds is being requested.

As previously stated by TVA in the December 1, 1982 letter, the third time delay of 300 seconds for initiation of the transfer, for the case of a long duration of undervoltage, is long enough to allow operator action, but not allow damage to connected safety-related equipment. During previous telephone discussions related to the undervoltage technical specifications, the NRC agreed that an acceptable range of time delay for operator action would be within 3 minutes (180 seconds) to 8 minutes (480 seconds). The presently requested allowable value (240 seconds to 360 seconds) is within this range. A time delay smaller than 270 seconds, the shorter allowable value certified by the manufacturer, would ensure early action of load shedding and early transfer of the shutdown board to the diesel generator, if the degraded voltage has not been corrected. The above information was the basis for NRC approval of the T/S changes for the undervoltage modifications. Attachment 1 provides the significant hazards consideration determination. The proposed change was evaluated pursuant to 10 CFR 50.92 and no significant hazards considerations are involved.