



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

J. L. Wilson  
Vice President, Sequoyah Nuclear Plant

October 5, 1992

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 (SQN) - SEISMIC QUALIFICATION OF CABLE  
TRAYS AND CONDUIT (PHASE II, DESIGN BASELINE AND VERIFICATION, TAC  
NOS. R00419/R00420)

References: 1. TVA letter to NRC dated March 26, 1991  
2. NRC letter to TVA dated January 18, 1991, "Seismic  
Qualification of Cable Trays and Conduit" (Phase II,  
Design Baseline and Verification, TAC Nos. R00419/R00420)  
- Sequoyah Nuclear Plant, Units 1 and 2"

The purpose of this letter is to confirm TVA's telephone conference on September 3, 1992, with NRC in which TVA provided additional information to what was supplied in Reference 1. Both of these submittals fully respond to the information requested in Reference 2. In that conversation, SQN stated that we would no longer be using ductility factors in spectral reductions as in the current design of cable trays. Although TVA believes our current methods are acceptable, we agreed to the more conservative inelastic seismic analysis approach.

The Updated Final Safety Analysis Report (UFSAR) was reviewed and found to be consistent with the present Watts Bar Nuclear Plant (WBN) UFSAR. Based upon this, a revision to the SQN UFSAR will not be required. SQN will no longer allow the use of ductility factors for spectral reduction in the design of cable trays. Design criteria SQN-DC-V-1.3.4 has been revised to delete the use of ductility factors for spectral reduction.

Additionally, SQN will be reevaluating the safety-related cable trays using this more conservative WBN criteria. If any modifications are required, they will be designed and implemented by the end of each unit's Cycle 7 refueling outage.

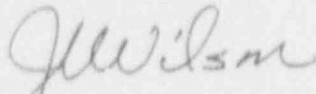
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A summary statement of the commitments is contained in the enclosure.  
Please direct questions concerning this issue to W. C. Ludwig at  
(615) 843-7460.

Sincerely,



J. L. Wilson

Enclosure

cc (Enclosure):

Mr. D. E. LaBarge, Project Manager  
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11555 Rockville Pike  
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NRC Resident Inspector  
Sequoyah Nuclear Plant  
2500 Igou Ferry Road  
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Mr. B. A. Wilson, Project Chief  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
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ENCLOSURE

List of Commitments

1. SQN will reevaluate safety-related cable trays for Unit 1 and redesign and modify any cable trays if required by the end of the Unit 1 Cycle 7 refueling outage.
2. SQN will reevaluate safety-related cable trays for Unit 2 and common, and redesign and modify any cable trays if required by the end of the Unit 2 Cycle 7 refueling outage.