



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

January 12, 1996

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) - UPDATE OF TVA'S JUNE 15, 1995,
FOLLOW-UP INFORMATION REGARDING GENERIC LETTER (GL) 92-08, THERMO-LAG
330-1 FIRE BARRIERS

- References:
1. TVA letter to NRC dated March 22, 1995, "Sequoyah Nuclear Plant (SQN) - Response to the Follow-up Request for Additional Information (RAI) Regarding Generic Letter (GL) 92-08, 'Thermo-Lag 330-1 Fire Barriers'"
 2. TVA letter to NRC dated June 15, 1995, "Sequoyah (SQN) and Watts Bar (WBN) Nuclear Plants - Update of TVA's March 22, 1995, Response to NRC Request for Additional Information Regarding Generic Letter (GL) 92-08, 'Thermo-Lag 330-1 Fire Barriers'"

The purpose of this letter is to confirm the telephone conversation on December 22, 1995, between TVA and NRC staff pertaining to additional Thermo-Lag 330-1 testing being performed by TVA.

In Reference 1, SQN committed to perform chemical testing on removed Thermo-Lag 330-1 material and evaluate the results against Thermo-Lag 330-1 materials used in TVA's WBN fire testing program.

During the Thermo-Lag 330-1 installation at WBN, TVA discovered a discrepancy between the Thermo-Lag 330-1 used in the qualification testing and the circa 1985 Thermo-Lag 330-1 materials that are stored in the TVA Hartsville warehouse. TVA also identified that some of the discrepant material was installed at SQN. TVA informed NRC of this issue on June 15, 1995 (Reference 2).

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In order to determine the performance of the older Thermo-Lag 330-1 and demonstrate that the Thermo-Lag 330-1 installed at SQN is representative of tested materials, TVA will be conducting a full scale one-hour fire test. The test assembly was constructed using New Old Stock (NOS) Thermo-Lag 330-1 that produced the differing results when tested by Thermogravimetric Analysis (TGA). Thermo-Lag 330-1 material that has demonstrated acceptable TGA results are included in the test assembly as control samples. In addition to testing representative SQN materials, (the material is of the same vintage, in some cases the same lots as that currently installed at SQN) the test assembly was also designed to expand TVA's knowledge on the effects of cable fill in three-inch conduit protected with a single layer of nominal 5/8-inch Thermo-Lag 330-1 and the effects of 0.5-inch stainless steel banding. In order for the test to be representative of installed SQN configurations, the assembly was constructed by the same SQN insulator craftsmen that installed the original SQN installations.

The test is scheduled to be conducted on January 17, 1996, at Omega Point Laboratories, San Antonio Texas. NRC is welcome to attend this testing. The results of this test will be used to develop SQN's final plan for implementation of the subject GL as described in Reference 1 of this letter.

Please direct questions concerning this issue to W. C. Ludwig at (423) 843-7460.

Sincerely,



R. H. Shell
Manager
SQN Site Licensing

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