

9706060223

June 4, 1997

LICENSEE: Tennessee Valley Authority

FACILITY: Sequoyah Nuclear Plant, Units 1 and 2

SUBJECT: SUMMARY - May 30, 1997, MEETING WITH TVA TO BRIEF THE STAFF ON THE STATUS OF THERMO-LAG FIRE BARRIER UPGRADES AT SEQUOYAH

On May 30, 1997, representatives of the Tennessee Valley Authority (TVA) met with members of the NRC staff in Rockville, Maryland. TVA requested this meeting as a followup to a meeting on November 4, 1996, to discuss the status of the Thermo-Lag fire barrier corrective action program at the Sequoyah Nuclear Plant (SQN) and the schedule for completion of the program. A list of attendees is given in Enclosure 1. Copies of the handouts provided by TVA are given in Enclosure 2.

TVA representatives discussed the Thermo-Lag testing program they conducted in order to gain the necessary confidence that use of additional Thermo-Lag material in the upgrades would be prudent. This testing included fire endurance testing, material property and composition testing, ampacity (current carrying capacity) derate testing, and seismic testing.

There are approximately 4,400 linear feet of single conduit configurations and 1,650 square feet of special configurations that utilize Thermo-Lag at SQN. On the basis of its test results, TVA believes that approximately 2,100 feet of the linear configuration Thermo-Lag can be qualified as is. The remainder of the fire barriers will need to be upgraded. In addition, TVA plans to replace approximately 2700 linear feet of Kaowool insulation. Standard designs have been developed and detailed walkdowns are about 70% completed to verify the qualification of the 2,100 feet of linear barrier and to apply the standard designs to the remaining configurations. TVA plans to train and use a number of relatively small installation teams to ensure quality work and to minimize risk of plant transients while the plants are operating, which will be throughout most of the walkdowns and installation of the upgrades.

The walkdowns and the installation of the additional material requires erection of temporary scaffolding and much of this work will be in proximity to sensitive equipment (mostly electrical panels and instrumentation). TVA has budgeted approximately \$6.8 million for Thermo-Lag upgrades during FY 97, FY 98, and FY 99.

Detailed engineering started in October 1996 following completion of the test program. TVA stated that the pre-installation walkdowns are approximately 70% complete and that the walkdowns have been classified in three categories according to relative risk. Thermo-Lag removal has begun and installation of upgrades will start in October 1997 following completion of design and qualification of personnel. Personnel qualification will include test installations as well as a written examination.

-2-

TVA stated (as shown in Enclosure 2) that the Thermo-Lag upgrades are scheduled to be completed in June 1999 and the Kaowool replacement will be completed in August 1999. The staff requested written confirmation of these dates to be documented by letter from TVA. The staff considers

these dates to be firm.

Ronald W. Hernan, Senior Project Manager
Project Directorate II-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-327 and 50-328

Enclosures: 1. Attendance List
2. TVA Handout

cc w/enclosures: See next page

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original signed by R.Hernan

Ronald W. Hernan, Senior Project Manager
Project Directorate II-3
Division of Reactor Projects - I/II
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G. Tracy (GMT)
J. Johnson (JRJ)
R. Hernan (RWH)
D. Starkey (DRS)
B. Clayton (BAC2)
G. Wiseman (GRW)

ATTENDEES

NRC/TVA MEETING ON MAY 30, 1997 REGARDING THERMO-LAG

<u>Name</u>	<u>Affiliation</u>
Ron Hernan	NRC
Fred Hebdon	NRC
K. Steven West	NRC
L. B. Marsh	NRC
G. Wiseman	NRC
R. D. Starkey	NRC
T. Martin	NRC
G. Holahan	NRC
R. Adney	TVA
O. J. Zeringue	TVA
Mike Lorek	TVA
Jon R. Rupert	TVA
Raul R. Baron	TVA
Ed Wenzinger	NUS