



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381

NOV 11 1994

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

Gentlemen:

In the Matter of the Application of)
Tennessee Valley Authority) Docket Nos. 50-390
50-391

WATTS BAR NUCLEAR PLANT (WBN) - RESPONSE TO NRC REQUEST FOR ADDITIONAL
INFORMATION RELATED TO THERMO-LAG FIRE BARRIER ASSEMBLY SEISMIC
CAPABILITIES (TAC M61648)

The purpose of this letter is to provide the results of Thermo-Lag fire barrier assembly seismic testing. TVA committed to perform seismic testing in response to NRC's April 6, 1994, request for additional information (RAI) about the seismic capability of Thermo-Lag fire barrier assemblies.

TVA performed two types of testing to ensure that Thermo-Lag will not adversely impact the safety performance of related equipment (e.g., cables, cable trays). The first type consisted of seismically testing representative conduit, cable tray, and air drop fire barrier configurations at Wyle Laboratories (Enclosure 1). The second type consisted of obtaining the physical properties of Thermo-Lag at Singleton Laboratories (Enclosure 2).

The seismic testing demonstrates that Thermo-Lag fire barriers will not impact the functionality of cables, cable trays, and other components during and following a seismic event. The physical property test results will be used to extrapolate the seismic test results to other fire barrier enclosure configurations. As discussed in TVA's July 1, 1994, response to the RAI, the design of cable trays and supports will be determined to be adequate using the civil design criteria described in the WBN Final Safety analysis report.

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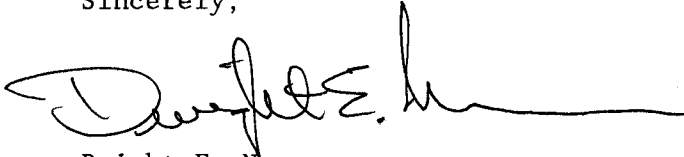
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There are no commitments contained in this submittal. If you have any questions, please contact Mr. P. L. Pace at (615)-365-1824.

Sincerely,



Dwight E. Nunn
Vice President
New Plant Completion
Watts Bar Nuclear Plant

Enclosures

cc (Enclosures):

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