



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402

SEP 30 1992

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

Gentlemen:

In the Matter of)	Docket Nos.	50-250	50-327
Tennessee Valley Authority)		50-260	50-328
)		50-296	

RESPONSE TO NRC BULLETIN 92-01, SUPPLEMENT 1, FAILURE OF THERMO-LAG FIRE BARRIER SYSTEM TO PERFORM ITS SPECIFIED FIRE ENDURANCE FUNCTION, SEQUOYAH NUCLEAR PLANT (SQN) AND BROWNS FERRY NUCLEAR PLANT (BFN)

On August 28, 1992, NRC issued Bulletin 92-01, Supplement 1. The supplement requests the Licensee first, to identify the areas of the plant which have Thermo-Lag 330 fire barrier material installed and determine the plant areas which use this material for the protection and separation of the safe shutdown capability, and second to implement appropriate compensatory measures consistent with those that would be implemented for inoperable fire barriers.

On September 16, 1992, NRC issued a letter requesting that BFN submit a revision to the response to Bulletin 92-01 issued July 31, 1992. In the TVA letter dated July 31, 1992, BFN relied on a fire hazards analysis to demonstrate low fire damage potential to Thermo-Lag protected cables and did not establish fire watches for these areas.

This letter responds to both NRC Bulletin 92-01, Supplement 1, and the September 16, 1992, request for the revision of the initial TVA response for BFN.

Thermo-Lag fire barrier system has been utilized at BFN for the protection and separation of safe shutdown capability on conduits and junction boxes. These installations are located in units 1, 2, and 3 Reactor Buildings, Shutdown Board Rooms Intake Pump Station, and the Radwaste Pipe Tunnel. BFN does not have any Thermo-Lag protected cable trays.

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In the letter issued July 31, 1992, TVA stated that BFN had implemented fire watches for all Thermo-Lag protected conduits one inch and smaller. As a result of Supplement 1, BFN has implemented additional compensatory measures in accordance with technical specifications for Thermo-Lag protected conduit, junction boxes, and areas where Thermo-Lag is utilized for compartmentation.

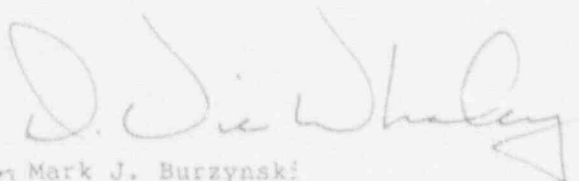
In response to the original bulletin, SQN identified the installation areas of Thermo-Lag and ensured that existing fire watch patrols required by SQN technical specifications included these areas.

As a result of Supplement 1, SQN again reviewed the Thermo-Lag installations and all the Thermo-Lag had been previously identified. Therefore, no additional compensatory actions are required.

Appropriate actions to verify or restore fire barrier operability are being developed through an industry program being coordinated by NUMARC. This program will include establishment of a test database, development of guidance for applicability of tests, development of generic installation guidance, and consideration and coordination of additional testing as appropriate. TVA will apply the results of these efforts, when completed, to the Thermo-Lag installations within the scope of Bulletin 92-01 and Supplement 1. TVA may also develop its own program for resolution of this issue to support specific schedule needs for units under construction.

The enclosure contains the commitment made in this letter. If you have any questions concerning this response, please telephone Ralph H. Shell at (615) 751-2474

Sincerely,



for Mark J. Burzynski
Manager
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Enclosure
cc: See page 3

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cc (Enclosure):

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ENCLOSURE

LIST OF COMMITMENTS

1. As previously stated in the response to NRC Bulletin 92-01, TVA will apply the results of the TVA developed program or the industry program being coordinated by NUMARC to the Thermo-lag installations within the scope of Bulletin 92-01 and Supplement 1.