



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

SEP 14 1995

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

Gentlemen:

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

WATTS BAR NUCLEAR PLANT (WBN) - RESULTS OF AMPACITY DERATING  
TESTING FOR RACEWAYS PROTECTED WITH THERMO-LAG THREE-HOUR  
ELECTRICAL RACEWAY FIRE BARRIER SYSTEMS (TAC M63648)

The purpose of this letter is to provide the results of electrical testing to determine ampacity correction factors for cables routed in cable trays and conduits protected with three-hour electrical raceway fire barrier systems (ERFBS). The three-hour ERFBS use a combination of Thermo-Lag 330-1 and 770-1 materials. The test report for three-hour cable tray ERFBS is provided in Enclosure 1. The test report for three-hour conduit ERFBS is provided in Enclosure 2.

Due to the volume of the test reports, copies are not being provided to the WBN Resident Inspectors and Region II. Copies are available onsite for review. There are no new commitments contained in this submittal. If you should have any questions, contact P. L. Pace at (615) 365-1824.

Sincerely,

R. R. Baron  
Nuclear Assurance  
and Licensing Manager (Acting)  
Enclosures  
cc: See page 2

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cc (w/o Enclosures except as noted):

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