



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

FEB 10 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) - UNITS 1 AND 2 - USE OF DOW CORNING  
RTV 3140 AS A REPAIR METHOD FOR KAPTON INSULATION DAMAGE

The purpose of this letter is to provide NRC with TVA's revised position for the use of Dow Corning RTV 3140 in the repair of Kapton insulated electrical penetration pigtail damage. The technical basis for the use of Dow Corning RTV 3140 in both non-10 CFR 50.49 Class 1E and non-Class 1E applications was provided in TVA's letter dated December 6, 1994.

As committed in the December 6, 1994 letter, TVA has completed testing at the Central Laboratory facility to confirm the ability of this material to perform as a viable repair method for non-10 CFR 50.49 Class 1E Kapton insulated electrical penetration pigtails. Even though the test supports the use of Dow Corning RTV 3140 on these penetration pigtails, TVA has decided to only use this repair method on non class 1E penetration pigtails. TVA's General Engineering Specification G-38, "Installation, Modification, and Maintenance of Insulated Cables Rated Up To 15,000 Volts," has been revised to only allow its use for repairs to the non Class 1E electrical penetration pigtails and to reflect the acceptable tested configuration. This repair method is limited to damage found within two inches of the penetration seal. A copy of the above test results has been made available to the NRC resident inspectors.

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If you should have any questions, contact P. L. Pace at (615)-365-1824.

Sincerely,

A handwritten signature in dark ink, appearing to read "Dwight E. Nunn", with a long horizontal flourish extending to the right.

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

cc: NRC Resident Inspector  
Watts Bar Nuclear Plant  
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