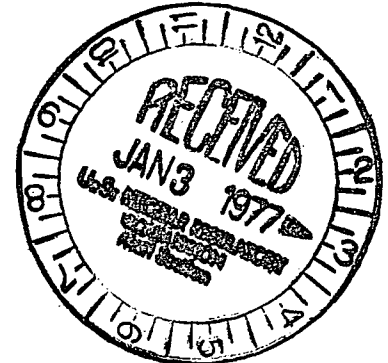


830 Power Building  
TENNESSEE VALLEY AUTHORITY  
CHATTANOOGA, TENNESSEE 37401

December 30, 1976



Director of Nuclear Reactor Regulation  
Attention: Mr. Roger S. Boyd, Director  
Division of Project Management  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Boyd:

In the Matter of the Application of ) Docket Nos. 50-327  
Tennessee Valley Authority. ) 50-328  
50-390  
50-391

Your letters dated June 25, 1976, and July 20, 1976, requested information related to Anticipated Transients without Scram (ATWS) for the Watts Bar Nuclear Plant units 1 and 2, and the Sequoyah Nuclear Plant units 1 and 2.

TVA has followed the discussion between the NRC staff and Westinghouse concerning the generic Westinghouse ATWS analysis model and potential design changes for Westinghouse RESAR-3S and RESAR-41 plants. It is our understanding that this discussion is continuing and that resolution of the ATWS issue for these plants had been anticipated by the end of 1976.

With respect to your request for additional analysis and justification of the generic Westinghouse ATWS model, the NRC staff has under review submittals by Westinghouse which address regulatory concerns.

It is our understanding that the potential design changes being discussed by the NRC staff and Westinghouse for RESAR-3S and RESAR-41 plants include provisions for diverse turbine trip and auxiliary feedwater initiation and a diverse interruption of power to the control rods. TVA intends to closely follow the discussion between the NRC staff and Westinghouse and will review the Westinghouse proposal for design changes. Following generic resolution of the ATWS issue, we will provide you with the following:

1. Information concerning the use of all or a portion of the design changes in the Westinghouse proposal at Sequoyah and Watts Bar.
2. A preliminary schedule for implementation of these design changes.

Regulatory Docket File

