

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

**JUN 16 1989**

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) - NRC BULLETIN 89-01 - FAILURE OF WESTINGHOUSE  
STEAM GENERATOR TUBE MECHANICAL PLUGS

This letter provides TVA's response to NRC Bulletin 89-01, regarding the failure of Westinghouse steam generator mechanical tube plugs. As identified in the bulletin, the "actions requested" apply to four heats of material that have been determined to be susceptible to primary water stress corrosion cracking (PWSCC). WBN units 1 and 2 do not have any of the identified heat numbers presently installed. Each unit at WBN presently has four Westinghouse mechanical plugs installed (heat 1989 for unit 1 hot leg plugs, and heat 2387 for unit 1 cold leg and for unit 2 hot and cold leg plugs).

Since the presently installed plugs have not been in operation, an examination for PWSCC is not necessary. If the plug removal is performed after startup, the removed plugs will be examined for PWSCC in accordance with bulletin action 2e.

The commitment made in this submittal is stated in the enclosure.

If there are any questions concerning this issue, please telephone  
W. C. Ludwig at (615) 751-8087.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*Ralph A. Shell*  
for  
Manager, Nuclear Licensing  
and Regulatory Affairs

Enclosure

cc: See page 2

8906220147 890616  
PDR ADDOCK 05000390  
Q PDC

IF 11  
110

U.S. Nuclear Regulatory Commission

JUN 16 1989

cc (Enclosure):

Ms. S. C. Black, Assistant Director  
for Projects  
TVA Projects Division  
U.S. Nuclear Regulatory Commission  
One White Flint, North  
11555 Rockville Pike  
Rockville, Maryland 20852

Mr. B. A. Wilson, Assistant Director  
for Inspection Programs  
TVA Projects Division  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

U.S. Nuclear Regulatory Commission  
Watts Bar Resident Inspector  
P.O. Box 700  
Spring City, Tennessee 37381

ENCLOSURE

LIST OF COMMITMENTS

If plugs are removed after startup, the plugs will be examined for primary water stress corrosion cracking in accordance with bulletin action 2e.