TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401 400 Chestnut Street Tower II

July 7, 1983

Director of Nuclear Reactor Regulation
Attention: Ms. E. Adensam, Chief
Licensing Branch No. 4
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Ms. Adensam:

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

This letter documents the discussions held on June 29-30, 1983 between representatives of TVA's Nuclear Licensing Staff, Divisions of Nuclear Power, Construction, and Engineering Design (EN DES), and representatives of the NRC's Office of Inspection and Enforcement (OIE) Region II and Office of Nuclear Reactor Regulation (NRR) and the resulting commitments made by TVA on the Watts Bar Nuclear Plant (WBN) preoperational test programs. The topics of the conversation centered on two concerns expressed by Mr. H. L. Whitener (NRC-OIE Region II) during his exit interview on June 24, 1983. Mr. Whitener's concerns were:

- 1. How do the preoperational tests for thermal expansion examine snubber movement, and what type of evaluation is performed on the data?
- 2. How has TVA satisfied the preservice inspection requirements on snubbers as stated in FSAR question 112.39?

On item 1, the following understanding was reached with Mr. Whitener, Mr. J. Rojan (NRR Mechanical Engineering Branch), and Mr. T. L. Heatherly, (OIE Resident Inspector).

Preoperational tests W-1.7, TVA-23A, and TVA-23B already require that measurements be taken for each affected snubber at each temperature plateau. This data is evaluated by a representative of EN DES to determine that the snubber has moved an appropriate amount from the measured cold setting toward the maximum predicted hot positions considering system temperature rise above ambient and relative pipe movements as indicated by the reactor coolant system bench mark points. Any anomalies will be evaluated and resolved before continuing the system heatup to operating temperatures. As agreed with Mr. Whitener, an acceptance criteria has been added to the preoperational test at each temperature plateau which states:

Snubber movements for this plateau have been evaluated by EN DES to ensure movements are reasonable when compared to predicted maximum movements as shown on applicable support drawings.

This acceptance criteria will be signed by the EN DES representative before moving to the next temperature plateau.

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During our discussion of the preservice inspection requirements in FSAR question 112.39, Mr. Whitener expressed concern that all of the snubbers affected by the thermal expansion test had not been tested to show that the "snubbers are not seized, frozen, or jammed" within six months of the test. It was pointed out to Mr. Whitener that all of the unit 1 snubbers at WBN had been tested to this requirement beginning in January of 1981.

Mr. Whitener agreed with the following resolution for item 2.

- 1. Any snubber shown to have significant movement during the thermal expansion test would be exempt from additional stroke testing.
- 2. Any snubber that had been tested since January 1, 1983 would be exempt from further stroke testing.
- 3. Any snubber which could be shown to have been properly protected from damage by shields, covers, or snubbers of a large size in limited access locations would be exempt from additional stroke testing.
- 4. All remaining snubbers will be tested to show they are not seized, frozen, or jammed before fuel load.

This information will be documented in a submittal to NRC-OIE Region II before fuel load.

If you have any questions concerning this matter, please get in touch with D. B. Ellis at FTS 858-2681.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager Nuclear Licensing

Sworn to and subscribed before me this 1983

My Commission Expires

cc: See page 2

U.S. Nuclear Regulatory Commission

July 7, 1983

cc: U.S. Nuclear Regulatory Commission
 Region II
 Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
 Atlanta, Georgia 30303