

## CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

April 30, 1985

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

Please refer to TVA's letter to NRC dated February 22, 1985 regarding seismic and dynamic qualification of safety-related electrical and mechanical equipment at Watts Bar Nuclear Plant (WBN). In that letter, TVA committed to provide results of the in-situ vibration testing on the WBN main control room panel assembly. The testing was performed in response to NRC's request contained in the Safety Evaluation Report, supplement 3, section 3.10 to provide a test verification of the natural frequencies of the "as-installed" configuration versus the seismic qualification analysis model. The testing was performed on February 14 and 15, 1985. A portion of the test program was witnessed on February 14, 1985, by a representative of EG&G, Idaho, seismic qualification consultant for the NRC.

The seismic qualification analysis results of the panel assembly are provided in Westinghouse document WCAP-8540. The analysis results include a listing of natural frequencies of the complete control panel (horseshoe) assembly. The first two natural frequencies are 14.3 and 17.71 Hz. The in-situ test results show excellent correlation with the calculated values as the first two natural frequencies were found by testing to be approximately 14.6 and 19.2 Hz.

Enclosed is a complete copy of the in-situ test report. Please note that this should also satisfy the license condition contained in the revised draft license, item No. 2.C(4) transmitted by letter dated April 3, 1985.

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April 30, 1985

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

J. A. Domer

Nuclear Engineer

Sworn to and subscribed before me this, 30 th day of (100, 1, 1985.

Notary Public

My Commission Expires 8-34-88

Enclosure

cc: U.S. Nuclear Regulatory Commission (Enclosure)

Region II

Attn: Dr. J. Nelson Grace, Regional Administrator

101 Marietta Street, NW, Suite 2900

Atlanta, Georgia 30323