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

Richard T. Purcell Site Vice President, Watts Bar Nuclear Plant

June 28, 1999

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, D.C. 20555

Gentlemen:

In the Matter of Tennessee Valley Authority

Docket No. 50-390

WATTS BAR NUCLEAR PLANT (WBN)UNIT 1 - AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) SECTION XI INSERVICE INSPECTION (ISI) SUMMARY REPORT FOR THE SECOND REFUELING CYCLE

The purpose of this letter is to provide the subject summary report to NRC within 90 days of the completion of the inservice inspection as required in Sub-article IWA-6200 of the 1989 Edition of the ASME Section XI Code. This report is for the second cycle of the first period for the first 10-year inspection interval. The first period of this inspection interval ended May 26, 1999.

Enclosure 1 provides the ASME Section XI Inservice Inspection Summary Report. The summary report documents the results of the ASME Section XI examinations, tests, repairs, and replacements performed during the second cycle of operation. Included in this report is a summary of the ISI examinations and results; a summary of the steam generator tube eddy current examination and results; a summary of the pressure tests and results; and a summary of repairs and replacements as documented on ASME Form NIS-2.

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Enclosure 2 provides a list of commitments identified in this letter. If you should have any questions, please contact P. L. Pace at (423) 365-1824.

Sincerely,

R. T. Purcell

Enclosures

cc (Enclosures):

NRC Resident Inspector Watts Bar Nuclear Plant 1260 Nuclear Plant Road Spring City, Tennessee 37381

Mr. Robert E. Martin, Senior Project Manager U.S. Nuclear Regulatory Commission One White Flint North 11555 Rockville Pike Rockville, Maryland 20852

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ENCLOSURE 1

ASME SECTION XI INSERVICE INSPECTION SUMMARY REPORT 2^{ND} REFUELING OUTAGE