



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

March 15, 1991

Docket No. 50-390

Mr. Dan A. Nauman
Senior Vice President, Nuclear Power
Tennessee Valley Authority
6N 38A Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dear Mr. Nauman:

SUBJECT: WATTS BAR BROAD-BASED CONSTRUCTION ASSESSMENT
FOLLOWUP REPORT 50-390/90-200

The report of the broad-based construction assessment followup inspection is enclosed. The inspection was conducted by the Special Inspection Branch of the NRC's Office of Nuclear Reactor Regulation (NRR) on December 3-7, 1990, and January 22 through February 1, 1991, at the Watts Bar Nuclear Plant, Unit 1. NRR performed this special announced inspection to (1) assess the status of open items and commitments resulting from the broad-based construction assessment documented in NRC Inspection Report 50-390/89-200 and (2) identify any significant construction deficiencies or problem areas that had not been previously identified.

The enclosed report identifies the areas examined during the assessment. The staff performed detailed reviews and field verifications of the previously identified open items, including reviewing records and procedures, reviewing the quality assurance and quality control program, and performing walkdown inspections to verify the field status of components or systems. The Executive Summary presents the assessment results and conclusions reached by NRR. The team determined that the general conclusion found during the assessment in 1989 still applies. That is, a great deal of work remains to correct previous and newly identified hardware deficiencies.

The team noted that site management had not fully defined the scope and schedule of remaining work needed to complete construction and the construction schedule was therefore not evaluated. The principal weakness identified was that TVA management had not adequately implemented corrective action programs. See Section 2.1.5. Although the plant personnel have improved the general condition of the plant and plant equipment, they will have to continue to concentrate their efforts in order to ensure adequate protection and control of installed equipment.

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Mr. Dan A. Nauman

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Table 1-1 lists the remaining open items from the previous assessment that require further actions by TVA and a new open item from this assessment concerning the problems identified in the implementation of the system completion walkdown inspections and programs for damaged, loose, and missing hardware.

In accordance with Section 2.790(a) of Title 10 of the Code of Federal Regulations [10 CFR 2.790(a)], a copy of this letter and the enclosure will be placed in the NRC Public Document Room. If you have any questions regarding this report, please contact us.

Sincerely,

ORIGINAL SIGNED BY STEVEN A. VARGA

Steven A. Varga, Director
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosure:
Inspection Report 50-390/90-200

cc: See page 3

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