

Mr. Oliver D. Kingsley, Jr.
 President, TVA Nuclear and
 Chief Nuclear Officer
 Tennessee Valley Authority
 6A Lookout Place
 1101 Market Street
 Chattanooga, Tennessee 37402-2801

July 10, 1995

SUBJECT: WATTS BAR UNIT 1 - SITE AUDIT OF STRUCTURES AND CIVIL ENGINEERING
 FEATURES (TAC NO. M92765)

Dear Mr. Kingsley:

As a part of our efforts to assure that the physical conditions of the plant structures and related civil engineering features are acceptable for the operating license, as well as assisting in reconstituting previous Inspection Manual Chapter 2512 efforts, we plan to perform a site structural audit. We are in agreement with Mr. Thomas Dean of your site licensing staff, that this visit take place July 18 and 19, 1995. The scope of this audit is limited to Watts Bar Category I structures and related areas, such as equipment anchors in concrete and settlement of the structures. The proposed agenda for the audit is attached. The staff intends to review data on settlement monitoring, results of structural integrity test and other relevant data as appropriate.

Messrs. Goutam Bagchi and Sang Bo Kim, Office of Nuclear Reactor Regulation, will perform this audit. Mr. Kim will discuss logistic details with your site licensing staff.

In accordance with NRC Management Directive 3.5, "Public Attendance at Certain Meetings Involving the NRC Staff," September 16, 1994, this staff review visit is closed to the public since opening the meeting would constitute an undue administrative burden.

Sincerely,

Original signed by

Peter S. Tam, Senior Project Manager
 Project Directorate II-3
 Division of Reactor Projects - I/II
 Office of Nuclear Reactor Regulation

Docket No. 50-390

cc: See next page

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WATTS BAR STRUCTURAL AUDIT

AGENDA

JULY 18

Morning:

1. Introduction - Goutam Bagchi
2. Engineering Presentation by the TVA Plant Staff
 - A. TVA Plant Inspection and Surveillance Plans
 - (1) Inspection Items Covered
 - (2) Procedures
 - (3) Surveillance plans
 - (4) Summary of Findings
 - B. Status Report of the Plant
 - (1) Physical Condition of Concrete in General
 - (2) Foundation and Structure Settlements and Verticality (TVA Program)
 - (3) Major Equipment Anchorage in Concrete
 - (4) Safety Related Storage Tanks (Outdoor)
 - (5) Foundation Conditions (Cracking, if any)
 - (6) Buried Piping
 - (7) Masonry Wall
 - (8) Intake Structure
 - (9) Containment/Corrosion
 - (10) Spent Fuel Pool
 - (11) Cable Tray and Conduit Supports
 - (12) TVA Structural Integrity Test (SIT) Results

ATTACHMENT

Afternoon:

3. Plant Walkdown -

A. Exterior of Structures:

concrete crack, discoloration, deteriorating construction patch

B. Intake Structure: water line degradation

C. Steel Tanks: corrosion

D. Areas of Engineered Backfill

(1) Foundation: settlement, soil condition

(2) Buried Piping: soil slope, free soil surface condition

E. Reactor Building (Containment):

(1) Liner steel containment corrosion

(2) Spent Fuel Pool: liner corrosion

(3) Components: equipment anchors in concrete, cable tray and support, masonry walls and their anchor

F. Other Buildings such as Aux. and D. G. Bldgs.

JULY 19

Morning:

1. Staff Caucus

2. Exit Meeting

A. Findings

B. Conclusions

Mr. Oliver D. Kingsley, Jr.
Tennessee Valley Authority

cc:

Mr. O. J. Zeringue, Sr. Vice President
Nuclear Operations
Tennessee Valley Authority
3B Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Dr. Mark O. Medford, Vice President
Engineering & Technical Services
Tennessee Valley Authority
3B Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Mr. D. E. Nunn, Vice President
New Plant Completion
Tennessee Valley Authority
3B Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Mr. J. A. Scalice, Site Vice President
Watts Bar Nuclear Plant
Tennessee Valley Authority
P.O. Box 2000
Spring City, TN 37381

General Counsel
Tennessee Valley Authority
ET 11H
400 West Summit Hill Drive
Knoxville, TN 37902

Mr. P. P. Carrier, Manager
Corporate Licensing
Tennessee Valley Authority
4G Blue Ridge
1101 Market Street
Chattanooga, TN 37402-2801

Mr. B. S. Schofield
Site Licensing Manager
Watts Bar Nuclear Plant
Tennessee Valley Authority
P.O. Box 2000
Spring City, TN 37381

TVA Representative
Tennessee Valley Authority
11921 Rockville Pike
Suite 402
Rockville, MD 20852

WATTS BAR NUCLEAR PLANT

Regional Administrator
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW., Suite 2900
Atlanta, GA 30323

Senior Resident Inspector
Watts Bar Nuclear Plant
U.S. Nuclear Regulatory Commission
1260 Nuclear Plant Road
Spring City, TN 37381

The Honorable Robert Aikman
County Executive
Rhea County Courthouse
Dayton, TN 37321

The Honorable Garland Lanksford
County Executive
Meigs County Courthouse
Decatur, TN 37322

Mr. Michael H. Mobley, Director
Division of Radiological Health
3rd Floor, L and C Annex
401 Church Street
Nashville, TN 37243-1532

Ms. Danielle Droitsch
Energy Project
The Foundation for
Global Sustainability
P.O. Box 1101
Knoxville, TN 37901

Ms. Ann Harris
305 Pickel Road
Ten Mile, TN 37880

Ms. Beth Zilbert, Energy Campaigner
Greenpeace
20 13th Street, NE.
Atlanta, GA 30309

Mr. James P. Riccio
Public Citizen
4340 Georgetown Square, #612
Atlanta, GA 30338