

May 10, 1990

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

Dear Mr. Kingsley:

SUBJECT: NRC INSPECTION REPORT NOS. 50-390/90-05 AND 50-391/90-05

This letter forwards a report on the results of a team inspection conducted February 26 - March 1, 1990 at the Watts Bar Nuclear Plant. NRC staff from the Office of Nuclear Reactor Regulation and consultants from the Brookhaven National Laboratory made up the NRC inspection team.

The team reviewed the implementation of the Watts Bar corrective action programs (CAPs) for heating, ventilation, and air-conditioning (HVAC) and equipment seismic qualification. The team focused its review on the resolution of the technical issues associated with each CAP. Overall, the NRC team found that the technical issues are being adequately addressed in the implementation of the corrective action programs. However, the team's review of a welding issue related to the HVAC duct structural integrity has identified an unresolved item in the HVAC CAP and is further discussed in the enclosed inspection report.

In accordance with Section 2.790 of the NRC's "Rules of Practice", Part 2, Title 10, Code of Federal Regulations, a copy of this letter and its enclosure will be placed in the NRC Public Document Room. If there are any questions concerning this inspection, please contact this office.

Sincerely,

Original signed by
B. D. Liaw

B. D. Liaw, Director
TVA Projects Division
Office of Nuclear Reactor Regulation

Enclosure:
Inspection Report Nos. 50-390/90-05
and 50-391/90-05

cc: w/enclosure
See next page

*See Previous Sheet for Concurrence

OFC	: TVA:EB*	: TVA:EB/BC*	: TVA:AD/TP*	: TVA:AD/P*	: TVA:A	:	:
M	: SBKim:ye	: DTerao	: RCPierson	: SBlack	: BDLiaw	:	:
DATE	: 4/26/90	: 4/26/90	: 4/30/90	: 5/ /90	: 5/10/90	:	:

9006010204 900510
PDR ADDCK 05000390
D FDC

RF01
11

Mr. Oliver D. Kingsley, Jr.

- 2 -

cc:

Mr. Marvin Runyon, Chairman
Tennessee Valley Authority
ET 12A 7A
400 West Summit Hill Drive
Knoxville, Tennessee 37902

Mr. C. H. Dean, Jr., Director
Tennessee Valley Authority
ET 12A 11A
400 West Summit Hill Drive
Knoxville, Tennessee 37902

Mr. John B. Waters, Director
Tennessee Valley Authority
ET 12A 9A
400 West Summit Hill Drive
Knoxville, Tennessee 37902

Mr. W. F. Willis
Chief Operating Officer
ET 12B 16B
400 West Summit Hill Drive
Knoxville, Tennessee 37902

General Counsel
Tennessee Valley Authority
400 West Summit Hill Drive
ET 11B 33H
Knoxville, Tennessee 37902

Mr. Dwight Nunn
Vice President, Nuclear Engineering
Tennessee Valley Authority
6N 38A Lookout Place
1101 Market Street
Chattanooga, Tennessee 37902

Dr. Mark O. Medford
Vice President and Nuclear
Technical Director
Tennessee Valley Authority
6N 38A Lookout Place
Chattanooga, Tennessee 37402-2801

Mr. Edward G. Wallace
Manager, Nuclear Licensing
and Regulatory Affairs
Tennessee Valley Authority
5N 157B Lookout Place
Chattanooga, Tennessee 37402-2801

Mr. Dan Douthit, Program Manager
Watts Bar Nuclear Plant
Tennessee Valley Authority
P. O. Box 800
Spring City, Tennessee 37381

Mr. R. J. Stevens, Site Licensing Manager
Watts Bar Nuclear Plant
Tennessee Valley Authority
P. O. Box 800
Spring City, Tennessee 37381

Mr. Richard F. Wilson
Vice President, New Projects
Tennessee Valley Authority
6N 38A Lookout Place
Chattanooga, Tennessee 37402-2801

Honorable Robert Aikman, County Judge
Rhea County Courthouse
Dayton, Tennessee 37321

Honorable Johnny Powell, County Judge
Meigs County Courthouse, Route 2
Decatur, Tennessee 37322

Mr. Michael H. Mobley, Director
Division of Radiological Health
T.E.R.R.A. Building, 6th Floor
150 9th Avenue North
Nashville, Tennessee 37219-5404

Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, N.W.
Atlanta, Georgia 30323

Senior Resident Inspector
Watts Bar Nuclear Plant
U.S. Nuclear Regulatory Commission
Route 2, Box 700
Spring City, Tennessee 37381

Dr. Henry Myers, Science Advisor
Committee on Interior and Insular Affairs
U.S. House of Representatives
Washington, D.C. 20515

Tennessee Valley Authority
Rockville Office
11921 Rockville Pike
Suite 402
Rockville, Maryland 20852

Mr. Oliver D. Kingsley, Jr.

- 3 -

DISTRIBUTION: (w/enclosure)
DCB (Docket Nos. 50-390, 50-391)

PDR

LPDR

ADSP R/F

TVA R/F

TVA TP R/F

DCrutchfield

BDLiaw

SBlack

RPierson

BWilson, RII

KBarr

SBKim

DTerao

BGrimes, NRR

RAuluck

PCortland

EJordan, AEOD

ACRS (10)

OGC

Inspection Team

TQuay

RBorchardt, EDO

MCallahan, CA/GPA