

October 17, 1989

Docket No. 50-390

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

Distribution
Docket File
NRC PDR
Local PDR
WBN Rdg. File
ADSP Reading
DCrutchfield
TQuay
BDLiaw
RPierson
MBranch

RAuluck
LA
OGC
BGrimes
EJordan
ACRS(10)
GPA/CA
GPA/PA
BWilson
GWalton

AMarinos
TRotella

Dear Mr. Kingsley:

SUBJECT: SAFETY EVALUATION OF THE WATTS BAR UNIT 1 CORRECTIVE ACTION PROGRAM (CAP) FOR PRESTART TEST PROGRAM (TAC 71924)

The NRC staff has completed its review of the programmatic aspects of the Watts Bar Nuclear (WBN) corrective action program for the prestart test program. The CAP plan was submitted on December 30, 1988 and Revision 1 was submitted on June 26, 1989.

The CAP plan objective is to demonstrate the operational capability of WBN Unit 1 to the extent required for fuel loading. The lengthy delay between the completion of many of the WBN Unit 1 preoperational tests and future plant operations has created conditions that the original Preoperational Test Program was not designed to address. Specifically, concerns lie in the area of plant equipment degradation and inadequate post-modification testing for plant equipment which has undergone modifications during the licensing delay. The staff review concludes that the CAP plan is acceptable, and, when properly implemented, the program will ensure proper verification of the functional integrity of the safety systems to the extent required for fuel loading. The staff will evaluate TVA's implementation of the CAP and the appropriate changes to the FSAR.

If you have any questions, please contact R. Auluck, Project Manager at (301) 492-0759.

Sincerely,

Original signed by

Suzanne Black, Assistant Director
for TVA Projects
TVA Projects Division
Office of Nuclear Reactor Regulation

8910240066 891017
PDR ADOCK 05000390
A PDC

Enclosure:
Safety Evaluation

cc w/enclosure:
See next page

Document Name: PRESTART TEST PROGRAM

OFF : NRR:TVA/PM : NRR:TVA/BC : TVA:AD/P : NRR:TVA : TVA:D :
NAME : RAuluck:as : BGrimes : SBlack : BBar : BDLiaw :
DATE : 10/16/89 : 10/16/89 : 10/17/89 : 10/10/89 : 10/11/89 :
by Telephone

Mr. Oliver D. Kingsley, Jr.

- 2 -

cc:

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

Mr. F. L. Moreadith
Vice President, Nuclear Engineering
Tennessee Valley Authority
400 West Summit Hill Drive
WT 12A 12A
Knoxville, Tennessee 37902

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

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

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

Mr. D. E. McCloud
Acting 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