

January 21, 1994

Docket Nos. 50-390
and 50-391

Tennessee Valley Authority
ATTN: Dr. Mark O. Medford, Vice President
Technical Support
3B Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dear Dr. Medford:

SUBJECT: WATTS BAR NUCLEAR PLANT - USE OF VANTAGE 5H FUEL DESIGN AND FSAR
AMENDMENT 73 (TAC M81887, M81888, M85774 AND M85775)

By letters dated October 10, 1991, August 24, 1992 and May 21, 1993 (FSAR
Amendment No. 73), TVA submitted information regarding change of fuel design
to VANTAGE 5H. The staff has reviewed TVA's submittals and concludes that the
VANTAGE 5H fuel design is acceptable for use at Watts Bar Units 1 and 2.

Details of the staff's review will be published in Watts Bar Safety Evaluation
Report (NUREG-0847) Supplement 13, currently scheduled for April 1994. This
review was performed by Dr. Shih-Liang Wu of the Reactor Systems Branch.

Sincerely,
Original signed by
Peter S. Tam, Senior Project Manager
Project Directorate II-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

cc: See next page

Distribution

- Docket File
- NRC & Local PDRs
- WBN Rdg. File
- S. Varga
- G. Lainas
- F. Hebdon
- P. Tam
- B. Clayton
- S. Wu 8-E-23
- OGC 15-B-18
- ACRS (10)
- E. Merschoff RII

OFC	PDII-4/LA	PDII-4/PM	PDII-4/D	
NAME	B. Clayton	P. Tam	F. Hebdon	
DATE	1/19/94	1/19/94	1/21/94	

Document Name: WBNSE

9401310299 940121
PDR ADOCK 05000390
A PDR

240038

NRC FILE CENTER COPY

AA3
DFO 1/0

Tennessee Valley Authority
ATTN: Dr. Mark O. Medford

cc:

Mr. Craven Crowell, Chairman
Tennessee Valley Authority
ET 12A
400 West Summit Hill Drive
Knoxville, TN 37902

Mr. W. H. Kennoy, Director
Tennessee Valley Authority
ET 12A
400 West Summit Hill Drive
Knoxville, TN 37902

Mr. Johnny H. Hayes, Director
Tennessee Valley Authority
ET 12A
400 West Summit Hill Drive
Knoxville, TN 37902

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

Mr. W. J. Museler, Vice President
Watts Bar Nuclear Plant
Tennessee Valley Authority
Route 2, P.O. Box 800
Spring City, TN 37381

Mr. B. S. Schofield, Manager
Nuclear Licensing and Regulatory Affairs
Tennessee Valley Authority
4G Blue Ridge
1101 Market Street
Chattanooga, TN 37402-2801

Mr. G. L. Pannell
Site Licensing Manager
Watts Bar Nuclear Plant
Tennessee Valley Authority
Route 2, P.O. Box 800
Spring City, TN 37381

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

WATTS BAR NUCLEAR PLANT

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

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

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
Route 2, Box 700
Spring City, TN 37381

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

Mr. Bill Harris
Route 1, Box 26
Ten Mile, TN 37880

January 21, 1994

Docket Nos. 50-390
and 50-391

Tennessee Valley Authority
ATTN: Dr. Mark O. Medford, Vice President
Technical Support
3B Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dear Dr. Medford:

SUBJECT: WATTS BAR NUCLEAR PLANT - USE OF VANTAGE 5H FUEL DESIGN AND FSAR
AMENDMENT 73 (TAC M81887, M81888, M85774 AND M85775)

By letters dated October 10, 1991, August 24, 1992 and May 21, 1993 (FSAR
Amendment No. 73), TVA submitted information regarding change of fuel design
to VANTAGE 5H. The staff has reviewed TVA's submittals and concludes that the
VANTAGE 5H fuel design is acceptable for use at Watts Bar Units 1 and 2.

Details of the staff's review will be published in Watts Bar Safety Evaluation
Report (NUREG-0847) Supplement 13, currently scheduled for April 1994. This
review was performed by Dr. Shih-Liang Wu of the Reactor Systems Branch.

Sincerely,
Original signed by
Peter S. Tam, Senior Project Manager
Project Directorate II-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

cc: See next page

Distribution

Docket File

NRC & Local PDRs

WBN Rdg. File

S. Varga

G. Lainas

F. Hebdon

P. Tam

B. Clayton

S. Wu

8-E-23

OGC

15-B-18

ACRS (10)

E. Merschoff

RII

OFC	PDII-4/LA <i>[Signature]</i>	PDII-4/PM	PDII-4/D	
NAME	B. Clayton	P. Tam <i>[Signature]</i>	F. Hebdon <i>[Signature]</i>	
DATE	1/19/94	1/19/94	1/21/94	

Document Name: WBNSE