

July 27, 1993

Docket No. 50-390

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 UNIT 1 - REQUEST FOR ADDITIONAL INFORMATION (RAI) ON
RESPONSE TO GENERIC LETTER 92-01 (TAC M83525)

The staff has reviewed TVA's submittal dated July 7, 1992, responding to Generic Letter 92-01, "Reactor Vessel Structural Integrity". As a result of the review, the staff identified additional information needed to complete the subject review for Watts Bar Unit 1.

TVA's response indicates that the initial upper shelf energy (USE) value for the intermediate shell forging 05 is 62 ft-lb, lower than the 75 ft-lb required by Paragraph IV.A.1 in Appendix G of 10 CFR 50. Please submit an analysis which demonstrates that lower values of USE will provide margins of safety against fracture equivalent to those required by Appendix G (i.e., per the ASME Code).

If you need clarification on this RAI, we will be available to discuss with you in a conference call. Please respond within 60 days of receipt of this RAI. This RAI is covered by Office of Management and Budget Clearance Number 3150-0011, which expires May 31, 1994.

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

OFFICE:	PDII-4/LA	PDII-4/PM	PDII-4/D
NAME	BClayton <i>BC</i>	PTam:as <i>PST</i>	FHebdon <i>PST</i>
DATE	7/27/93	7/27/93	7/27/93

DOCUMENT NAME: GL9201

9308130027 930727
PDR ADOCK 05000390
A PDR

AA3
F01
1/0
ORIGINAL GENTLE COPY

Watts Bar Nuclear Plant

Tennessee Valley Authority
ATTN: Dr. Mark O. Medford

cc:

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

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

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

Mr. B. S. Schofield, Manager
Nuclear Licensing and Regulatory Affairs
Tennessee Valley Authority
5B Lookout Place
Chattanooga, Tennessee 37402-2801

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

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

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

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

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

The Honorable Garland Lanksford
County Executive
Meigs County Courthouse
Route 2
Decatur, Tennessee 37322

Regional Administrator
U.S.N.R.C. Region II
101 Marietta Street, N.W.
Suite 2900
Atlanta, Georgia 30323

Senior Resident Inspector
Watts Bar Nuclear Plant
U.S.N.R.C.
Route 2, Box 700
Spring City, Tennessee 37381

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

Bill Harris
Route 1, Box 26
Ten Mile, Tennessee 37880

DISTRIBUTION

Docket File

NRC & Local PDRs

WBN Rdg. File

S. Varga 14-E-4

G. Lainas 14-H-3

F. Hebdon

B. Clayton

P. Tam

OGC

ACRS (10)

E. Merschoff R-II

D. McDonald 14-B-2