

September 30, 1991

Docket Nos. 50-390
and 50-391

Mr. Dan A. Nauman
Senior Vice President, Nuclear Power
6N 38A Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dear Mr. Nauman:

SUBJECT: WATTS BAR NUCLEAR PLANT, UNITS 1 AND 2 - OUTSTANDING ISSUE 19(f),
MASS ECCENTRICITIES OF THE STEEL CONTAINMENT VESSEL (TAC 79717 AND
80346)

In response to Safety Evaluation Report Supplement 6 (NUREG-0847, Supp. 6) Outstanding Issue 19(f), TVA clarified the issue of mass eccentricities in evaluating the steel containment vessel for an earthquake load (TVA submittal, dated May 8, 1991). TVA stated that actual mass eccentricities from such items as equipment hatch and lock are now replaced by a 5 percent accidental eccentricity in accordance with Standard Review Plan Section 3.7.2 (Revision 2, August 1989). Conservatism of the new eccentricity was demonstrated by comparing torques due to two different types of eccentricities and TVA showed that the 5 percent accidental eccentricity is more conservative. TVA also proposed a revision to the FSAR to document this change.

The staff finds TVA's response to the issue of mass eccentricity, including proposed changes to the FSAR, acceptable. The status of Outstanding Issue 19(f) will be appropriately updated in SSER 8. This review was performed by Mr. S. B. Kim.

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

NRC FILE CENTER COPY

9110070285 910930
PDR ADOCK 05000390
A PDR

OFC	: PDII-4/LA	: PDII-4/PM	: PDII-4/D	:	:
NAME	: MSanders <i>ms</i>	: PTam <i>PST</i>	: FHebdon	:	:
DATE	: 9/30/91	: 9/30/91	: 9/30/91	:	:

OFFICIAL RECORD COPY
Document Name: WBN TAC 79717

MA
EW
DFC 1/7

Mr. Dan A. Nauman

cc:

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

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

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

Mr. W. F. Willis
Senior Executive Officer
ET 12B
400 West Summit Hill Drive
Knoxville, Tennessee 37902

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

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

Dr. Mark O. Medford
Vice President, Nuclear Assurance,
Licensing and Fuels
Tennessee Valley Authority
3B Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

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

Mr. John H. Garrity, Site Vice President
Watts Bar Nuclear Plant
Tennessee Valley Authority
P. O. Box 800
Spring City, Tennessee 37381

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

Mr. H. H. Weber, Manager
Engineering Modifications
Watts Bar Nuclear Plant
Tennessee Valley Authority
P. O. Box 800
Spring City, Tennessee 37381

Honorable Robert Aikman, County Judge
Rhea County Courthouse
Dayton, Tennessee 37322

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

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

Distribution

Docket File

NRC PDR

Local PDR

S. Varga

14-E-4

G. Lainas

14-H-3

F. Hebdon

B. Wilson

RII

M. Branch

RII

K. Barr

RII

H. Livermore

RII

G. Walton

RII

M. Sanders

P. Tam

OGC

15-B-18

E. Jordan

MNBB-3701

ACRS (10)

L. Reyes

RII

WBN Reading File