

August 29, 1995

APPLICANT: Tennessee Valley Authority (TVA)

FACILITY: Watts Bar Nuclear Plant, Unit 1

SUBJECT: MEETING SUMMARY - AUGUST 10, 1995, MEETING WITH THE TENNESSEE VALLEY AUTHORITY REGARDING REANALYSIS OF LOSS-OF-COOLANT ACCIDENTS PER 10 CFR 50.46 (TAC M89477)

REFERENCE: Meeting notice by P. S. Tam, August 4, 1995

On August 10, 1995, NRC and TVA representatives met in the NRC office at One White Flint North, Rockville, Maryland, to discuss TVA's intended approach to resolve the large-break-loss-of-coolant accident (LBLOCA) core axial power shape model as it applies to Watts Bar Unit 1. The Enclosure is a list of participants.

During the meeting, representatives from Westinghouse submitted a letter (N. J. Liparulo to NRC Document Control Desk, August 9, 1995) which transmits a copy of the meeting presentation material, and requested that the material be withheld from public disclosure for proprietary reasons. That material, even though it was used in the meeting, is not enclosed with this summary.

TVA and Westinghouse personnel stated that the power shape sensitivity model was withdrawn by letter dated August 7, 1995, and that Westinghouse has implemented the ESHAPE Methodology. The ESHAPE Methodology uses the actual power shape instead of the current method of the cosine power shape and, for Watts Bar, has a significant peak cladding temperature (PCT) penalty associated with it. To offset the penalty, Westinghouse personnel also indicated that they have submitted a modification to the LBLOCA analysis, by a topical report on hot-leg nozzle gap, which adds a significant benefit to PCT. The net effect of these models on Watts Bar is a reduction in the PCT relative to the value in the final safety analysis report. The staff noted that the approach used by Watts Bar is consistent with that allowed by 10 CFR 50.46. However, the staff stated that based on the information provided, and potential significant impact of the hot-leg nozzle gap model, the topical report will be reviewed in the fiscal year 1996.

Original signed by

Peter S. Tam, Senior Project Manager  
Project Directorate II-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-390

Enclosure: Participants list

cc w/enclosure: See next page

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DATE	08/23/95		08/23/95		08/23/95		08/23/95		8/29/95	

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PDR

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LIST OF PARTICIPANTS  
MEETING REGARDING LOCA REANALYSIS  
ONE WHITE FLINT NORTH, ROCKVILLE, MARYLAND  
August 10, 1995

<u>Name</u>	<u>Affiliation</u>
Jim Brennan	Westinghouse
Sarita Brewer	NRC/NRR/Reactor Systems Branch
Frank Burrow	TVA Fuel Engineering
Dan C. Garner	Westinghouse
Fred Hebdon	NRC/NRR/Project Directorate II-3
Roger Huston	TVA Rockville Office
John W. Irons	Westinghouse, Project Manager for Watts Bar
Robert Jones	NRC/NRR/Reactor Systems Branch
Mark P. Kachmar	Westinghouse
Frank A. Koontz, Jr.	TVA Watts Bar Engineering
Mark Medford	TVA
Bruce S. Schofield	TVA Watts Bar Site Licensing
Peter S. Tam	NRC/NRR/Project Directorate II-3

ENCLOSURE

WATTS BAR NUCLEAR PLANT

cc:

Mr. Oliver D. Kingsley, Jr.  
President, TVA Nuclear and  
Chief Nuclear Officer  
Tennessee Valley Authority  
6A Lookout Place  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

Mr. O. J. Zeringue, Sr. Vice President  
Nuclear Operations  
Tennessee Valley Authority  
3B Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

Dr. Mark O. Medford, Vice President  
Engineering & Technical Services  
Tennessee Valley Authority  
3B Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

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

Mr. J. A. Scalice, Site Vice President  
Watts Bar Nuclear Plant  
Tennessee Valley Authority  
P.O. Box 2000  
Spring City, TN 37381

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

Mr. P. P. Carrier, Manager  
Corporate Licensing  
Tennessee Valley Authority  
4G Blue Ridge  
1101 Market Street  
Chattanooga, TN 37402-2801

Mr. B. S. Schofield  
Site Licensing Manager  
Watts Bar Nuclear Plant  
Tennessee Valley Authority  
P.O. Box 2000  
Spring City, TN 37381

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

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  
1260 Nuclear Plant Road  
Spring City, TN 37381

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

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

Ms. Ann Harris  
305 Pickel Road  
Ten Mile, TN 37880

Ms. Beth Zilbert, Energy Campaigner  
Greenpeace  
20 13th Street, NE.  
Atlanta, GA 30309

Mr. James P. Riccio  
Public Citizen  
4340 Georgetown Square, #612  
Atlanta, GA 30338

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W. Russell/F. Miraglia

R. Zimmerman

S. Varga

J. Zwolinski

OGC

E. Jordan

S. Brewer

R. Jones

ACRS (4)

G. Tracy

E. Merschoff