

August 12, 2003

LICENSEE: Tennessee Valley Authority

FACILITY: Watts Bar Nuclear Plant, Unit 1

SUBJECT: SUMMARY OF AUGUST 5, 2003, MEETING REGARDING THE ULTIMATE
HEAT SINK FOR WATTS BAR UNIT 1 (TAC NO. MC0106)

Background

On August 5, 2003, the U.S. Nuclear Regulatory Commission (NRC) staff met with Tennessee Valley Authority's (TVA's) representatives at the NRC Headquarters in Rockville, Maryland, at TVA's request. The objective of the meeting was to discuss TVA's potential request for an amendment regarding the temperature limit for the ultimate heat sink at Watts Bar. The meeting was classified as a Category 1 meeting. Attachment 1 is a list of attendees, and Attachment 2 is a copy of TVA's handout distributed during the meeting. TVA's agenda for the meeting is included in Attachment 2.

Discussion

TVA plans to submit a Technical Specification change request which will increase the ultimate heat sink temperature limit to 88 degrees from its current limit of 85 degrees for Watts Bar Nuclear Plant, Unit 1. TVA stated that the reason for the change request was that peak river water temperatures in recent summers have approached the ultimate heat sink temperature limit in the Technical Specifications. In the presentation, TVA representatives described the ultimate heat sink temperature history and challenges and summarized the design basis for the ultimate heat sink and emergency raw cooling water system.

TVA summarized the analysis methodology and results, including the re-analysis of containment pressure and temperature, the residual heat removal system shutdown and cooldown capacity, and evaluation of other major components. TVA concluded that the effects of the proposed change had been examined in detail on equipment, components, systems, and safety analyses and the proposed change was found to be acceptable.

Conclusion

The NRC staff did not make any regulatory decisions during the meeting, and will review TVA's submittal in a timely manner.

Comments from members of the public

No members of the public attended the meeting.

Please direct any inquiries regarding this meeting to me at 301-415-4041 or mhc@NRC.GOV.

Sincerely,

/RA/

Margaret H. Chernoff, Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-390

Attachments: As stated

cc w/atts: See next page

Comments from members of the public

No members of the public attended the meeting.

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Sincerely,

/RA/

Margaret H. Chernoff, Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

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Attachments: As stated

cc w/atts: See next page

Distribution:

PUBLIC	OGC	R. Dennig
PDII-2 R/F	ACRS	S. Shaeffer
L. Marsh	T. Mensah	S. Rosenberg
E. Hackett	F. Akstulewicz	J. Tatum
K. Jabbour	S. Cahill, RII	T. Koshy
B. Clayton (hard copy)	M. Lesser RII	R. Lobel
M. Chernoff	P. Hearn	R. Goel

Adams Accession No. ML032250272

OFFICE	PDII-2/PM	PDII-2/LA	PDII-2/SC
NAME	MChernoff	BClayton	AHowe
DATE	8/6/2003	8/6/2003	8/11/2003

OFFICIAL RECORD COPY

ATTENDANCE LIST
NUCLEAR REGULATORY COMMISSION STAFF MEETING
WITH TENNESSEE VALLEY AUTHORITY
AT NRC HEADQUARTERS
ULTIMATE HEAT SINK FOR WATTS BAR UNIT 1
August 5, 2003

NRC

A. Howe
R. Dennig
K. Jabbour
P. Hearn
J. Tatum
T. Koshy
R. Lobel
R. Goel
M. Chernoff

TVA

P. Pace
C. Touchstone
P. Maddux

Tennessee Valley Authority

cc:

Mr. J. A. Scalice
Chief Nuclear Officer and
Executive Vice President
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Mr. Karl W. Singer, Senior Vice President
Nuclear Operations
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Mr. James E. Maddox, Vice President
Engineering & Technical
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Mr. William R. Lagergren
Site Vice President
Watts Bar Nuclear Plant
Tennessee Valley Authority
P.O. Box 2000
Spring City, TN 37381

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

Mr. Robert J. Adney, General Manager
Nuclear Assurance
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Mr. Mark J. Burzynski, Manager
Nuclear Licensing
Tennessee Valley Authority
4X Blue Ridge
1101 Market Street
Chattanooga, TN 37402-2801

WATTS BAR NUCLEAR PLANT

Mr. Paul L. Pace, Manager
Licensing and Industry Affairs
Watts Bar Nuclear Plant
Tennessee Valley Authority
P.O. Box 2000
Spring City, TN 37381

Mr. Larry S. Bryant, Manager
Watts Bar Nuclear Plant
Tennessee Valley Authority
P.O. Box 2000
Spring City, TN 37381

Senior Resident Inspector
Watts Bar Nuclear Plant
U.S. Nuclear Regulatory Commission
1260 Nuclear Plant Road
Spring City, TN 37381

Rhea County Executive
375 Church Street
Suite 215
Dayton, TN 37321

County Executive
Meigs County Courthouse
Decatur, TN 37322

Mr. Lawrence E. Nanney, Director
Division of Radiological Health
Dept. of Environment & Conservation
Third Floor, L and C Annex
401 Church Street
Nashville, TN 37243-1532

Ms. Ann P. Harris
341 Swing Loop Road
Rockwood, Tennessee 37854

David Lochbaum
Nuclear Safety Engineer
Union of Concern Scientists
1707 H Street, NW, Suite 600
Washington, D.C. 20006-3919