

June 5, 2008

LICENSEE: Tennessee Valley Authority

FACILITIES: Browns Ferry Units 1, 2, and 3

SUBJECT: SUMMARY OF MARCH 20, 2008, MEETING WITH TENNESSEE VALLEY AUTHORITY REGARDING STEAM DRYER PORTION OF THE EXTENDED POWER UPRATE REVIEW (TAC NOS. MD5262, MD5263, AND MD5264)

On March 20, 2008, the U.S. Nuclear Regulatory Commission (NRC) staff conducted a Category 1 public meeting with Tennessee Valley Authority (TVA, the licensee) at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to discuss the NRC staff's concerns with the steam dryer analyses provided in support of the extended power uprate (EPU) amendment request for Browns Ferry Nuclear Plant. Due to the proprietary nature of the information being discussed, only portions of the meeting were open to the public. The enclosure contains a list of attendees. The licensee presented slides regarding the steam dryer portion of the EPU review (see the Agencywide Documents Access and Management System Accession No. ML081120510).

#### DISCUSSION

In letters dated January 31 and March 6, 2008, TVA provided the Group 1 and 2 responses to the NRC staff's Round 15 request for additional information. Based on the stress analysis provided in the March 6, 2008, response, the meeting focused on the results which indicated that the minimum alternating stress ratio for the Unit 1 dryer is 1.56. The NRC staff stated that the stress margin needed for reasonable assurance should be around 2.0. This value is in line with the margins obtained by previous boiling-water reactor licensees requesting similar power uprates. The NRC staff indicated concerns that the stress ratio would be further reduced to ~1.18 EPU conditions provided no acoustic resonance appears during power ascension; otherwise it could possibly be reduced further. TVA discussed the locations on the Unit 1 dryer that fell below expectations.

The discussion continued regarding crediting of additional damping. The NRC staff indicated continuing skepticism regarding the amount of dampening attributed by the analyses to other phenomenon. The licensee was requested to provide additional information to refine the steam dryer model and analysis.

No members of the public were in attendance; however one feedback form was received. No commitments or regulatory decisions were made by the NRC staff during the meeting.

*/RA/*

Eva A. Brown, Senior Project Manager  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-259, 50-260, and 50-296

Enclosure: List of Attendees

cc w/encl: See next page

June 5, 20087

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Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-259, 50-260, and 50-296  
Enclosure: List of Attendees  
cc w/encl: See next page

DISTRIBUTION: See next page

ADAMS Accession No.: ML081260712 Pkg: ML081140324  
TVA Slides: ML081120510

NRC-001

OFFICE	LPLII-2/PM	LPLII-2/LA	LPLII-2
NAME	EBrown:sp	BClayton	TBoyce
DATE	06/02/08	06/02/08	06/05/08

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SUBJECT: SUMMARY OF MARCH 20, 2008 MEETING REGARDING STEAM DRYER  
PORTION OF THE EXTENDED POWER UPRATE REVIEW  
(TAC NOS. MD5262, MD5263, AND MD5264)

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**List of Attendees**  
**U. S. Nuclear Regulatory Commission**  
**Public Meeting with Tennessee Valley Authority**  
**Regarding Browns Ferry Power Uprate**  
**March 20, 2008**

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Thomas Boyce  
Kamal Manoly  
Chakrapani Basavaraju  
Mark Hartzman  
Eva Brown

ARGONNE NATIONAL LABORATORY

Vik Shah  
Samir Ziada

PENN STATE UNIVERSITY

Steve Hambric

TENNESSEE VALLEY AUTHORITY

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