



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

January 11, 2013

LICENSEE: Tennessee Valley Authority
FACILITY: Watts Bar Nuclear Plant, Unit 1 and Sequoyah Nuclear Plant, Units 1 and 2
SUBJECT: SUMMARY OF DECEMBER 13, 2012, MANAGEMENT MEETING WITH
TENNESSEE VALLEY AUTHORITY ON THE STATUS OF HYDROLOGY

On December 13, 2012, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of the Tennessee Valley Authority (TVA) at NRC Headquarters, One White Flint North, 11545 Rockville Pike, Rockville, Maryland.

The purpose of the meeting was to discuss:

- status of TVA efforts to build a new hydrology model based on current hydrology software and the resulted probable maximum flood levels,
- results of recent analysis of the HESCO temporary flood barrier's vulnerability to postulated barge impact and the simulations to close the traffic access gaps upon notification,
- update on learning from Fukushima flooding walkdowns, and
- status of commitments made to the June 25, 2012 Confirmatory Action Letter.

An agenda was provided with the meeting notice (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12319A172). A list of attendees is enclosed.

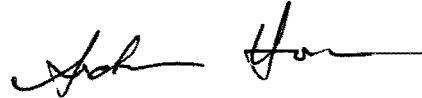
Mr. Joseph Shea discussed TVA's slide presentation (ADAMS Accession No. ML12348A208) with support from TVA staff, and answered questions from the NRC staff. TVA plans to submit a supplement to the July 19, 2012, license amendment request (LAR) for Watts Bar Unit 1 to include the main control room emergency ventilation chiller circulating water pump and clarify how it is credited in the design bases of the plant. However, TVA does not expect, in the near future, to update the July 19, 2013 LAR to include the methodology and the new probable maximum flood level based on the recent analysis discussed and requests the current staff review be continued. TVA plans to submit a report in January 2013 documenting the results of the recent analyses and exercises, including the following:

1. The results of the HESCO temporary flood barrier gap closing simulation exercises recently performed.
2. River traffic management plan.
3. Results of the recently performed computational fluid dynamics (CFD) computer model simulation of a runaway barge, including the description of the model, velocity profile along the depth of the water, and the choice of projectile shape to represent a barge.

4. For future additional CFD modeling considerations, include wind effects and the feasibility of modeling an assumed barge impact on the HESCO barrier and work backward for a credible starting point.

No regulatory decisions were made at the meeting. Members of the public were in attendance by telephone. No public meeting feedback forms were received.

Please direct any inquiries to me by phone at 301-415-8480, or e-mail at Andrew.Hon@nrc.gov.



Andrew Hon, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-390, 50-327, and 50-328

Enclosure:
List of Attendees

cc w/encl: Distribution via Listserv

LIST OF ATTENDEES

MANAGEMENT MEETING WITH TENNESSEE VALLEY AUTHORITY ON THE LICENSING

BASIS FOR FLOODING/HYDROLOGY

WATTS BAR NUCLEAR PLANT, UNIT 1

SEQUOYAH NUCLEAR PLANT, UNITS 1 AND 2

THURSDAY, DECEMBER 13, 2012

Tennessee Valley Authority

J. Shea	J. Williams
P. Selman	B. Wetzel
T. Spink	R. Golden

Nuclear Regulatory Commission (from NRR unless otherwise noted)

M. Evans	P. Hiland
J. Monninger	M. Cheek
R. Taylor	E. Miller*
A. Hon	J. Poole
F. Ferrante	J. Uribe
N. DiFrancesco	J. Mitman
S. Flanders, NRO	C. Cook, NRO
S. Shaeffer, RII*	R. Monk, RII*
T. Nicholson, RES	

PUBLIC

J. Riley*	J. Gasper*
J. Bellini*	

*by teleconference

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/RA/

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ADAMS Accession Nos.: Package ML13010A117 Notice ML12319A172 SlidesML12348A208 Summary ML13010A137

OFFICE	NRR/LPL2-2/PM	NRR/LPL2-2/LA(IT)	NRR/LPL2-2/LA	NRR/LPL2-2/BC	NRR/LPL2-2/PM
NAME	AHon	FKeith	BClayton	JQuichocho	AHon
DATE	1/10/13	1/10/13	1/10/13	1/11/13	1/11/13

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