



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

March 21, 2016

LICENSEE: Tennessee Valley Authority

FACILITY: Watts Bar Nuclear Plant, Unit 1

SUBJECT: SUMMARY OF FEBRUARY 5, 2016, PUBLIC MEETING WITH TENNESSEE VALLEY AUTHORITY REGARDING WATTS BAR NUCLEAR PLANT, UNIT 1, LICENSE AMENDMENT REQUEST TO INCREASE TRITIUM PRODUCTION (CAC NO. MF6050)

On February 5, 2016, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Tennessee Valley Authority (TVA) at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to discuss a license amendment request (LAR) to increase the maximum number of tritium-producing burnable absorber rods (TPBARs) permitted to be loaded into the reactor core at the Watts Bar Nuclear Plant (WBN), Unit 1. The meeting notice and agenda, dated January 7, 2016, are available in the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML16021A349. Representatives from the Department of Energy also attended the meeting. A list of attendees is enclosed.

The March 31, 2015 LAR (ADAMS Accession No. ML15098A446), proposed to increase the number of TPBARs allowed to be loaded from 704 to 1,792. TVA supplemented its March 2015 submittal with letters dated May 27, 2015, and June 15, 2015 (ADAMS Accession Nos. ML15147A611 and ML15167A359, respectively). The NRC staff identified several outstanding technical issues in TVA's response dated December 22, 2015 (ADAMS Accession No. ML16054A661), to the staff's request for additional information issued on October 2, 2015 (ADAMS Accession No. ML15278A048). The outstanding issues related to demonstrating the adequacy of TVA's tritium control and monitoring to ensure onsite exposures will not result in occupational doses above Title 10 of the *Code of Federal Regulations* Part 20 limits, and demonstrating that effluent releases under the proposed design-basis assumptions will not exceed the dose limit to a member of the public. These issues were communicated to TVA by e-mail dated January 14, 2016 (ADAMS Accession No. ML16053A023).

TVA's presentation (ADAMS Accession No. ML16063A025) included a brief summary of the tritium production program background and previous amendments related to tritium production at WBN, Unit 1. The presentation also addressed operating experience, monitoring programs, the proposed tritium source term in the current amendment request, and liquid waste management.

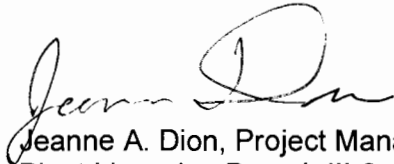
TVA's presentation included information regarding its plans to supplement the submittal. TVA stated that the tritium control and monitoring program and the proposed design-basis source

term would be revised to address the staff's outstanding issues. In response to a question from the staff, TVA indicated that the proposed source term for the evaluation of accidents in the current submittal would not be changed.

TVA indicated it was in the process of evaluating its schedule for providing the supplement and would give the anticipated date for providing the supplement when this evaluation has been completed. Subsequent to the meeting, TVA informed the staff that it would provide the supplement no later than March 31, 2016.

Members of the public were not in attendance and no Public Meeting Feedback forms were received.

Please direct any inquiries to me at (301) 415-1349 or Jeanne.Dion@nrc.gov.



Jeanne A. Dion, Project Manager
Plant Licensing Branch III-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-390

Enclosure:
List of Attendees

cc w/enclosure: Distribution via Listserv

LIST OF ATTENDEES

Licensee: Tennessee Valley Authority (TVA) **Plant:** Watts Bar Nuclear Plant, Unit 1
Subject: License Amendment to Increase Tritium Production **Date:** February 5, 2016
Location: U.S. Nuclear Regulatory Commission (NRC) Headquarters, One White Flint North, Room O7-B04 **Time:** 9:00 a.m. – 10:30 a.m.

NAME	TITLE	ORGANIZATION
Paul Krohn	Acting Deputy Director	NRC/Office of Nuclear Reactor Regulation (NRR)/Division of Operating Reactor Licensing (DORL)
Alex Klein	Acting Deputy Director	NRC/NRR/Division of Risk Assessment (DRA)
Ben Beasley	Branch Chief	NRC/NRR/DORL/Plant Licensing Branch II-2 (LPL2-2)
Undine Shoop	Branch Chief	NRC/NRR/DRA/Radiation Protection and Consequence Branch (ARCB)
Robert Schaaf	Project Manager	NRC/NRR/DORL/LPL2-2
Jeanne Dion	Project Manager	NRC/NRR/DORL/Plant Licensing Branch III-2
William Rautzen	Health Physicist	NRC/NRR/Division of License Renewal/Environmental Review and Project Management Branch
Roger Pedersen	Senior Health Physicist	NRC/NRR/DRA/ARCB

Enclosure

NAME	TITLE	ORGANIZATION
Erin Henderson	Senior Manager, Fleet Regulatory Operations	Tennessee Valley Authority (TVA)
Carla Borrelli	Senior Program Manager Tritium Production	TVA
David Brown	General Manager, Reactor Engineering and Fuels	TVA
Doug Pollock	Safety Analysis Project Manager	TVA
Clint Szabo*		TVA
Ed Schrull*		TVA
Bill Sitten*		TVA
Nanette Founds*		Department of Energy (DOE)
Curtis Chambellan*		DOE
Thomas Hiltz*		DOE
James Smith*		Westinghouse

*participated via teleconference

term would be revised to address the staff's outstanding issues. In response to a question from the staff, TVA indicated that the proposed source term for the evaluation of accidents in the current submittal would not be changed.

TVA indicated it was in the process of evaluating its schedule for providing the supplement and would give the anticipated date for providing the supplement when this evaluation has been completed. Subsequent to the meeting, TVA informed the staff that it would provide the supplement no later than March 31, 2016.

Members of the public were not in attendance and no Public Meeting Feedback forms were received.

Please direct any inquiries to me at (301) 415-1349 or Jeanne.Dion@nrc.gov.

/RA/

Jeanne A. Dion, Project Manager
Plant Licensing Branch III-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-390

Enclosure:
List of Attendees

cc w/enclosure: Distribution via Listserv

DISTRIBUTION:

PUBLIC
LPL2-2 R/F
RidsNrrPMWattsBar Resource
RidsNrrDlrRerb Resource
RidsNrrDraArcb Resource
RidsOpaMail Resource
RidsNrrDorl Resource
WRautzen, NRR
TWertz, NRR

KBucholtz, NRR
RPedersen, NRR
Watts Bar Resident Inspector
RidsNrrLABClayton Resource
TClark, OEDO
RidsNrrDorlLpl2-2 Resource
RidsRgn2MailCenter Resource
RidsACRS_MailCTR Resource

ADAMS Accession No.: ML16063A036 Pkg: ML16063A025 *email concurrence

OFFICE	NRR/DORL/LPLIII-2/PM	NRR/DORL/LPLII-2/LA	NRR/DRA/ARCB/BC
NAME	JDion	(LRonewicz for) BClayton	UShoop*
DATE	3/14/2016	3/07/2016	3/14/2016
OFFICE	NRR/DLR/RERB/BC	NRR/DORL/LPLII-2/BC	NRR/DORL/LPLIII-2/PM
NAME	JDanna*	BBeasley	JDion
DATE	3/17/2016	3/17/2016	3/21/2016

OFFICIAL RECORD COPY