



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

September 17, 2015

LICENSEE: Tennessee Valley Authority

FACILITY: Watts Bar Nuclear Plant, Unit 1

SUBJECT: SUMMARY OF AUGUST 12, 2015, MEETING WITH TENNESSEE VALLEY AUTHORITY REGARDING WATTS BAR NUCLEAR PLANT, UNIT 1, LICENSE AMENDMENT REQUEST TO INCREASE TRITIUM PRODUCTION (MF6050)

On August 12, 2015, a Category 1 public meeting with the Tennessee Valley Authority (TVA) was held at U.S. Nuclear Regulatory Commission (NRC) Headquarters, 3 White Flint North, 11601 Landsdown Street, 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, Unit 1 (WBN). Representatives from TVA, the Department of Energy (DOE), National Nuclear Security Association, and Pacific Northwest National Laboratories, attended the meeting. Participants from Westinghouse, Savannah River National Laboratories, and several other DOE departments joined the meeting remotely via GoToMeeting. A list of attendees is enclosed.

TVA's presentation is available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML15225A377. The presentation included a brief summary of the tritium production program background and a high level overview of the TVA's March 31, 2015, LAR (ADAMS Accession No. ML15098A446) to increase the number of TPBARs allowed to be loaded from 704 to 1,792. TVA supplemented its March 31, 2015, submittal with letters dated May 27, 2015, and June 15, 2015 (ADAMS Accession Nos. ML15147A611 and ML15167A359, respectively). If the LAR is approved by the NRC, TVA plans to incrementally increase the number of TPBARs in the core over three refueling cycles starting with cycle 15 in March 2017.

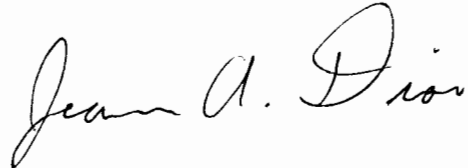
During the meeting, TVA requested monthly updates from the NRC licensing project manager and requested a public meeting before March 2016 to discuss any remaining technical open items related to the NRC staff's review. TVA stated that it will support the NRC's requests for information to support the safety evaluation being issued before August 2016.

The NRC plans to continue frequent interaction with TVA to resolve technical issues and to complete the safety review by TVA's requested date. The review schedule is contingent on TVA providing timely and thorough responses to the NRC staff's requests for additional information.

Several members of the public joined the meeting via telephone and GoToMeeting. The NRC staff addressed questions regarding the background of the tritium production program at WBN, the scope of the NRC's safety and environmental reviews, and questions regarding the

radiological effluents monitoring reports. Multiple members of the public requested background references about the tritium production program at WBN. Public Meeting Feedback forms were not received.

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

A handwritten signature in black ink, reading "Jeanne A. Dion". The signature is written in a cursive, flowing style.

Jeanne A. Dion, Project Manager
Watts Bar Special Projects Branch
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

AUGUST 12, 2015, MEETING WITH TENNESSEE VALLEY AUTHORITY
REGARDING THE WATTS BAR NUCLEAR PLANT, UNIT 1, LICENSE AMENDMENT
REQUEST TO INCREASE TRITIUM PRODUCTION

Licensee: Tennessee Valley Authority (TVA)

Plant: Watts Bar Nuclear Plant, Unit 1

Subject: License Amendment to Increase Tritium
Production

Date: August 12, 2015

Location: U.S. Nuclear Regulatory Commission (NRC)
Headquarters, 3 White Flint North

Time: 9:00 a.m. – 11:00 a.m.

NAME	TITLE	ORGANIZATION
James Trapp	Acting Deputy Director	NRC/NRR/DORL
Robert Taylor	Deputy Director	NRC/NRR/DSS
Jessie Quichocho	Branch Chief	NRC/NRR/DORL/LWBSP
Undine Shoop	Branch Chief	NRC/NRR/DRA/ARCB
Christopher Jackson	Branch Chief	NRC/NRR/DSS/SRXB
David Wrona	Branch Chief	NRC/NRR/DLR/RERB
Jeanne Dion	Project Manager	NRC/NRR/DORL/LWBSP

NAME	TITLE	ORGANIZATION
Scott Krepel	Nuclear Engineer	NRR/DSS/SRXB
William Rautzen	Health Physicist	NRR/DLR/RERB
Jared Nadel*	Senior Resident Inspector	NRC/RII/DRP/RPB6/WBRO
Roger Pedersen*	Senior Health Physicist	NRR/DRA/ARCB
Kristy Bucholtz*	Reactor Engineer	NRR/DRA/ARCB
David Czufin	Senior Vice President, Engineering and System Support	TVA
Cheryl Thornhill	Project Manager Tritium Readiness	Pacific Northwest National Laboratories (PNNL)
Carla Borrelli	Senior Program Manager Tritium Production	TVA
David Brown	General Manager, Reactor Engineering and Fuels	TVA
John Evans	Deputy ADA for Major Modernization Programs	National Nuclear Security Association (NNSA)
Margaret Schwenker	Technical Advisor	NNSA

NAME	TITLE	ORGANIZATION
Jeff McGuire*	Tritium Program Manager	TVA
Larry Bagaasen*	Tritium Technology Program Licensing Task Manager	PNNL
Bruce Reid*	Tritium Technology Program Chief Engineer	PNNL
Ed Love*	Tritium Technology Program Design Task Manager	PNNL
David Senor*	Tritium Technology Program Chief Scientist	PNNL
Clinton Szabo	Corporate Nuclear Licensing Engineer	TVA
Marvin Lewis*	Member of the Public	
Don Safer*	Member of the Public	Tennessee Environmental Council
Ruth Thomas*	Member of the Public	
Curtis Chambellan*	NNSA Tritium Project Manager	NNSA
Nanette Founds*	Tritium Manager NNSA	NNSA

NAME	TITLE	ORGANIZATION
James Chapman*	NNSA Contractor	NNSA
Maureen Holloway*	NNSA Contractor	NNSA
Kevin Lasswell*	Westinghouse - TVA Support	Westinghouse
Gary Wolfram*	Westinghouse - TVA Support	Westinghouse
Bob Snyder*	Manager, Tritium Extraction	Savanah River National Laboratories (SRNL)
Steve Wyrick*		SRNL
Steve Wach*		SRNL
Mike Nelson*		SRNL
Jason Wilson*		SRNL

*participated via telephone or GoToMeeting

radiological effluents monitoring reports. Multiple members of the public requested background references about the tritium production program at WBN. Public Meeting Feedback forms were not received.

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

/RA/

Jeanne A. Dion, Project Manager
Watts Bar Special Projects Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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ADAMS Accession No.: PKG: ML15225A378

Meeting Summary: ML15225A375 Meeting Notice: ML15196A574 Handouts: ML15225A377

OFFICE	DORL/LPL2-2/PM	DORL/LPL2-2/LA	DRA/ARCB
NAME	JDion (w/comment)	BClayton (LRonewicz for)	UShoop
DATE	8/20/15	8/19/15	8/24/15
OFFICE	DSS/SRXB	DORL/LPWB/BC	DORL/LPWB/PM
NAME	CJackson	JQuichocho	JDion
DATE	9/4/15	9/17/15	9/17/15

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