



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

January 7, 2020

**LICENSEE:** Northern States Power Company, a Minnesota Corporation  
Tennessee Valley Authority

**FACILITY:** Prairie Island Nuclear Generating Plant, Units 1 and 2  
Watts Bar Nuclear Plant, Units 1 and 2

**SUBJECT:** SUMMARY OF DECEMBER 12, 2019, MEETING WITH NORTHERN STATES  
POWER COMPANY, DOING BUSINESS AS XCEL ENERGY, AND  
TENNESSEE VALLEY AUTHORITY REGARDING PLANNED LICENSE  
AMENDMENT REQUESTS FOR PRAIRIE ISLAND NUCLEAR PLANT, UNITS 1  
AND 2, AND WATTS BAR NUCLEAR PLANT, UNITS 1 AND 2  
(EPID L-2019-LRM-0067)

On December 12, 2019, a Category 2 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of Northern States Power Company, a Minnesota Corporation, doing business as Xcel Energy (Xcel), and Tennessee Valley Authority (TVA). The purpose of the meeting was to discuss Xcel's and TVA's planned license amendment requests for Prairie Island Nuclear Generating Plant, Units 1 and 2 (Prairie Island), and Watts Bar Nuclear Power Plant, Units 1 and 2 (Watts Bar), respectively. The license amendment requests would revise each plant's technical specification (TS) requirements regarding heat flux hot channel factor, in accordance with Westinghouse Topical Report WCAP-17661, Revision 1, "Improved RAOC [Relaxed Axial Offset Control] and CAOC [Constant Axial Offset Control] FQ Surveillance Technical Specifications" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML19225C138). The meeting notice and agenda, dated November 15, 2019, are available at ADAMS Accession No. ML19319C177. Xcel's and TVA's slides for the meeting are available at ADAMS Accession No. ML19347B072. A list of attendees is provided as an enclosure to this summary. No regulatory decisions were made at this meeting.

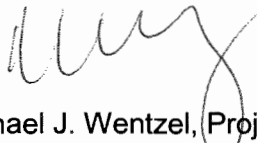
TVA began its presentation by providing an overview of WCAP-17661, Revision 1. The WCAP is intended to address non-conservatisms identified in TS 3.2.1, "Heat Flux Hot Channel Factor ( $F_Q(Z)$ ). Both Watts Bar and Prairie Island have administrative controls in place in accordance with Administrative Letter 98-10, "Dispositioning of Technical Specifications that are Insufficient to Assure Plant Safety" (ADAMS Accession No. ML031110108). TVA stated that the issues were addressed as a part of the Watts Bar, Unit 2, initial licensing, which resulted in differences between the Unit 1 and Unit 2 TS 3.2.1. In addition, Unit 2 license condition 2.C(10) further addresses the non-conservatisms. TVA's planned license amendment request would revise TS 3.2.1 in accordance with WCAP-17661, Revision 1, without deviations, which would make the TS consistent between both units. Additionally, TVA would proposed to delete license condition 2.C(10). Based on the current schedule, TVA would submit its request in March 2020, with a requested approval date of March 2021.

Xcel stated that its license amendment request would be similar to TVA's, in that it would adopt the changes to TS 3.2.1 in WCAP-17661, Revision 1, without any deviations. Xcel stated that it planned to submit its license amendment request in February 2020 and request completion by March 2021.

The NRC staff emphasized that the license amendment requests should address the limitations and conditions in the staff's safety evaluation approving WCAP-17661, Revision 1. The NRC staff stated that TVA should discuss the basis for deleting license condition 2.C(10), including discussing whether any conservatism would be removed by deleting the condition.

Representatives from Pacific Gas & Electric Company participated in the meeting as members of the public. No comments or public meeting feedback forms were received.

Please direct any inquiries to me at 301-415-6459, or [michael.wentzel@nrc.gov](mailto:michael.wentzel@nrc.gov).



Michael J. Wentzel, Project Manager  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos.:  
50-282, 50-306, 50-390, and 50-391

Enclosure: List of Attendees

cc: Listserv

LIST OF ATTENDEES  
DECEMBER 12, 2019, MEETING WITH  
NORTHERN STATES POWER COMPANY, A MINNESOTA CORPORATION AND  
TENNESSEE VALLEY AUTHORITY  
REGARDING PLANNED LICENSE AMDNEMENT REQUESTS  
AT PRAIRIE ISLAND NUCLEAR PLANT, UNITS 1 AND 2, AND  
WATTS BAR NUCLEAR PLANT, UNITS 1 AND 2

<u>Name</u>	<u>Organization</u>
Josh Borromeo	U.S. Nuclear Regulatory Commission (NRC)
Ravi Grover	NRC
Benjamin Parks	NRC
Michael Wentzel	NRC
Josh Wilson	NRC
Darius Ahrar	Northern States Power Company, A Minnesota Corporation (NSPM)
Kara Gibson	NSPM
Jeff Kivi	NSPM
Seam Martin	NSPM
Sara Scott	NSPM
Kevin Elam	Tennessee Valley Authority
Russell Wells	Tennessee Valley Authority
Sean Miller	Westinghouse
John Moorehead	Westinghouse
Radu Pomirleanu	Westinghouse
Anthony Schoedel	Westinghouse
Ken Kargol	Pacific Gas & Electric Company (PG&E)
Michael Richardson	PG&E
Jeff Skov	PG&E

Enclosure

SUBJECT: SUMMARY OF DECEMBER 12, 2019, MEETING WITH NORTHERN STATES POWER COMPANY, DOING BUSINESS AS XCEL ENERGY, AND TENNESSEE VALLEY AUTHORITY REGARDING PLANNED LICENSE AMENDMENT REQUESTS FOR PRAIRIE ISLAND NUCLEAR PLANT, UNITS 1 AND 2, AND WATTS BAR NUCLEAR PLANT, UNITS 1 AND 2 (EPID L-2019-LRM-0067) DATED JANUARY 7, 2020

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MMcCoppin, EDO

JQuichocho, EDO

**ADAMS Accession Nos.:**

**Meeting Notice: ML19319C177**

**Meeting Slides: ML19347B072**

**Meeting Summary: ML19347D159**

OFFICE	NRR/DORL/LPL2-2/PM	NRR/DORL/LPL2-2/LA	NRR/DORL/LPL2-2/BC	NRR/DORL/LPL2-2/PM
NAME	MWentzel	BAbeywickrama	UShoop	MWentzel
DATE	12/17/19	12/16/19	01/06/20	01/07/20

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