



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

August 16, 2024

MEMORANDUM TO: Michael T. Markley, Chief
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

FROM: G. Edward Miller, Project Manager */RA/*
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF AUGUST 6, 2024, MEETING SUMMARY
REGARDING POTENTIAL LICENSE AMENDMENT REQUEST
CHANGE TO SURVEILLANCE REQUIREMENTS FOR
MODERATOR TEMPERATURE COEFFICIENT FOR MILLSTONE
POWER STATION, UNIT NO. 3, NORTH ANNA POWER STATION,
UNIT NOS. 1 AND 2, AND V.C. SUMMER NUCLEAR STATION, UNIT
NO. 1 (EPID L-2024-LRM-0081)

On August 6, 2024, the U.S. Nuclear Regulatory Commission (NRC) staff held a public meeting¹ with representatives from the Dominion Energy (Dominion). The purpose of the meeting was for Dominion to discuss its plans to submit a license amendment request regarding a change to the Technical Specifications (TSs) for the Millstone Power Station (MPS), Unit No. 3, North Anna Power Station (NAPS), Unit Nos. 1 and 2, and V.C. Summer Nuclear Station (VCSNS), Unit No. 1, and to receive NRC staff feedback on what information would be needed to support the NRC staff review of the submittal. The request would change the Surveillance Requirements (SRs) associated with verification that the moderator temperature coefficient (MTC) is within specified limits.

During the meeting, Dominion staff presented slides² that described the proposed change.

NRC staff provided the following comments on information and considerations that would support its review of the proposed change:

- Submittal should be clear about what changes would be considered significant and cause the licensee to measure MTC instead of performing analytical verification;
- Submittal should consider whether any changes to the Core Operating Limits Report are needed;

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¹ The meeting notice is available under Agencywide Documents Access and Management System (ADAMS) Accession No. ML24185A052.

² The slides are available under ADAMS Accession No. ML24207A224.

- NRC staff will evaluate whether the proposed Technical Specification language provides appropriate controls for when and how analytical verification can be used;
- Submittal should be clear on whether analytical methods to be used are previously NRC reviewed and approved by the NRC;
- Submittal should address the impact that unplanned shutdowns during an operating cycle could have on the ability to verify MTC by analytical methods;
- Submittal should address margin afforded by any reactivity penalty proposed; and
- Submittal should consider and address plant-specific applicability of any licensing precedents that have proposed similar approaches to use analytical verification in lieu of measurements.

Additionally, it was suggested that the technical complexity of this review may benefit from a regulatory audit in the initial review schedule. The NRC staff indicated that it would consider an audit to expedite the review and development of any requests for additional information in developing the schedule and resource estimates during the acceptance review.

No regulatory decisions were made during the meeting. Following the discussion, an opportunity was afforded to any other participants who wished to ask questions or make comments. No questions or comments were received from the public.

Enclosure:
List of Attendees

cc: Listserv

LIST OF PARTICIPANTS
AUGUST 6, 2023, PUBLIC MEETING
TO DISCUSS AMENDMENT TO MODIFY MODERATOR TEMPERATURE
COEFFICIENT SURVEILLANCE REQUIREMENT

| Name | Organization |
|--------------------|--------------|
| Ed Miller | NRC/NRR/DORL |
| Mike Markley | NRC/NRR/DORL |
| Richard Guzman | NRC/NRR/DORL |
| Jo Ambrosini | NRC/NRR/DSS |
| Logan Gaul | NRC/NRR/DSS |
| Ravi Grover | NRC/NRR/DSS |
| Robert Beaton | NRC/NRR/DSS |
| Santosh Bhatt | NRC/NRR/DSS |
| John Lehning | NRC/NRR/DSS |
| Kevin Heller | NRC/NRR/DSS |
| Shayan Sinha | Dominion |
| Kasey Kennett | Dominion |
| Brian Vitiello | Dominion |
| David Evans | Dominion |
| Tom Psuik | Dominion |
| Marcus Hoffman | Dominion |
| Daniel Johnson | Dominion |
| Timothy Olsowy | Dominion |
| Lori Kelley | Dominion |
| Nicholas Maynard | Dominion |
| Michael Moore | Dominion |
| Craig Sly | Dominion |
| James Stanley | Dominion |
| Steve Ehrensberger | Dominion |
| Chris Wells | Dominion |
| Brian Mount | Dominion |
| Daniel Johnson | Dominion |
| Nicholas Maynard | Dominion |

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POTENTIAL LICENSE AMENDMENT REQUEST CHANGE TO
SURVEILLANCE REQUIREMENTS FOR MODERATOR TEMPERATURE
COEFFICIENT FOR MILLSTONE POWER STATION, UNIT NO. 3, NORTH
ANNA POWER STATION, UNIT NOS. 1 AND 2, AND V.C. SUMMER NUCLEAR
STATION, UNIT NO. 1 (EPID L-2024-LRM-0081) DATED AUGUST 16, 2024

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JAmbrosini, NRR

LGaul, NRR

RGrover, NRR

SBhatt, NRR

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|--------|--------------------|--------------------|--------------------|
| OFFICE | NRR/DORL/LPL2-1/PM | NRR/DORL/LPL2-1/LA | NRR/DSS/SNSB/BC |
| NAME | GEMiller | KGoldstein | PSahd |
| DATE | 8/8/2024 | 08/14/2024 | 8/15/2024 |
| OFFICE | NRR/DSS/STSB/BC | NRR/DORL/LPL2-1/BC | NRR/DORL/LPL2-1/PM |
| NAME | SMehta (KWest for) | MMarkley | GEMiller |
| DATE | 8/15/2024 | 8/16/2024 | 8/16/2024 |

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