

NRR-PMDAPem Resource

From: Kuntz, Robert
Sent: Tuesday, March 15, 2016 8:47 AM
To: Carlson, Glenn A.
Subject: Request for Information related to TST-523 LAR for Prairie Island

Glenn,

Based on your email below, the DRAFT RAI previously forwarded on March 2, 2016 shall be considered a RAI with an expected response date of April 2, 2016.

Robert Kuntz
Sr. Project Manager, Monticello and Prairie Island
NRR/DORL/LPL3-1
(301) 415-3733

From: Carlson, Glenn A. [mailto:Glenn.Carlson@xenuclear.com]
Sent: Monday, March 14, 2016 3:45 PM
To: Kuntz, Robert
Subject: [External_Sender] RE: RE: DRAFT Request for Information related to TST-523 LAR for Prairie Island

Good afternoon, Rob.

Prairie Island understands the RAIs and does not request a teleconference with the NRC staff to discuss the draft supplemental RAIs.

We will submit our responses to the RAIs by April 2, 2016.

Thank you.

Glenn

Glenn A. Carlson, PE, JD, PhD
Xcel Energy | Responsible By Nature
Senior Nuclear Engineer
Regulatory Affairs
Prairie Island Nuclear Generating Plant
1717 Wakonade Drive East, Welch, MN 55089
P: 651.267.1755
E: Glenn.Carlson@xenuclear.com

XCELENERGY.COM

Please consider the environment before printing this email.

This e-mail, and any attachments, may contain confidential or private material for the sole use of the intended recipient(s). If you are not the intended recipient, please contact the sender by reply mail and delete all copies of this message and any attachments.

From: Kuntz, Robert [<mailto:Robert.Kuntz@nrc.gov>]
Sent: Tuesday, March 08, 2016 6:59 AM
To: Carlson, Glenn A.
Subject: RE: RE: DRAFT Request for Information related to TST-523 LAR for Prairie Island

Thanks Glenn.

From: Carlson, Glenn A. [<mailto:Glenn.Carlson@xenuclear.com>]
Sent: Tuesday, March 08, 2016 7:57 AM
To: Kuntz, Robert <Robert.Kuntz@nrc.gov>
Subject: [External_Sender] RE: DRAFT Request for Information related to TST-523 LAR for Prairie Island

Good morning, Robert.

I've scheduled a meeting of site personnel for Wed afternoon, 3/9.

I'll discuss a phone call with NRC staff.

Thanks.

Glenn

Glenn A. Carlson, PE, JD, PhD
Xcel Energy | Responsible By Nature
Senior Nuclear Engineer
Regulatory Affairs
Prairie Island Nuclear Generating Plant
1717 Wakonade Drive East, Welch, MN 55089
P: 651.267.1755
E: Glenn.Carlson@xenuclear.com

XCELENERGY.COM

Please consider the environment before printing this email.

This e-mail, and any attachments, may contain confidential or private material for the sole use of the intended recipient(s). If you are not the intended recipient, please contact the sender by reply mail and delete all copies of this message and any attachments.

From: Kuntz, Robert [<mailto:Robert.Kuntz@nrc.gov>]
Sent: Tuesday, March 08, 2016 4:28 AM
To: Carlson, Glenn A.
Subject: RE: DRAFT Request for Information related to TST-523 LAR for Prairie Island

Glenn,

This amendment is nearing the one year mark so the staff is requesting resolution of this RAI as soon as possible. Can we set up a call this week?

Rob

From: Kuntz, Robert
Sent: Wednesday, March 02, 2016 10:34 AM

To: 'Glenn.Carlson@xenuclear.com' <Glenn.Carlson@xenuclear.com>
Cc: Pearson, Marc P. (Marc.Pearson@xenuclear.com) <Marc.Pearson@xenuclear.com>; Lyon, Warren <Warren.Lyon@nrc.gov>; Oesterle, Eric <Eric.Oesterle@nrc.gov>; Hamm, Matthew <Matthew.Hamm@nrc.gov>
Subject: DRAFT Request for Information related to TST-523 LAR for Prairie Island

Dear Dr. Carlson:

By letter to the U.S. Nuclear Regulatory Commission (NRC) dated June 29, 2015 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15187A259), Northern States Power Company – Minnesota (NSPM, the licensee), doing business as Xcel Energy, Inc., submitted a license amendment request (LAR) for the Prairie Island Nuclear Generating Plant (PINGP), Units 1 and 2. The licensee proposes to revise or add Surveillance Requirements associated with the PINGP Technical Specifications to verify that system locations susceptible to gas accumulation are sufficiently filled with water and to provide allowances which permit performance of these verifications.

The aforementioned changes are being made to address NRC Generic Letter 2008-01, “Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems.” The licensee indicates that the proposed LAR is being submitted consistent with Technical Specification Task Force (TSTF) Traveler 523, “Generic Letter 2008-01, Managing Gas Accumulation,” Revision 2.

The NRC staff has reviewed the aforementioned information provided by NSPM and determined that additional information is needed to complete its review. The draft requests for additional information (RAIs) are provided below.

You may accept the draft supplemental RAIs as formal requests for additional information and provide a response by April 2, 2016. Alternatively, you may request to discuss the contents of the draft supplemental RAIs with the NRC staff in a conference call, including any change to the proposed response date.

Please don't hesitate to contact me if you have any additional questions or concerns.

Rob Kuntz
Sr. Project Manager, Monticello and Prairie Island
NRC/NRR/DORL/LPL3-1
(301) 415-3733

REQUESTS FOR ADDITIONAL INFORMATION (DRAFT)
LICENSE AMENDMENT REQUEST TO ADOPT
TECHNICAL SPECIFICATION TASK FORCE TRAVELER 523
“GENERIC LETTER 2008-01, MANAGING GAS ACCUMULATION,” REVISION 2
NORTHERN STATES POWER COMPANY – MINNESOTA
PRAIRIE ISLAND NUCLEAR GENERATING PLANT, UNITS 1 AND 2
DOCKET NOS. 50-282 AND 50-306
(CAC NOS. MF6449 AND MF6450)

By letter dated June 29, 2015 (ADAMS Accession No. ML15187A259), Northern States Power Company, a Minnesota corporation (NSPM, the licensee), doing business as Xcel Energy, submitted a license amendment request (LAR) which requested approval to adopt Technical Specification Task Force (TSTF)-523 "Generic Letter 2008-01, Managing Gas Accumulation." The license amendment request would add, among other revisions, surveillance requirement (SR) 3.5.2.5. SR 3.5.2.5 would require verification that emergency core cooling (ECCS) inaccessible locations susceptible to gas accumulation are sufficiently filled with water prior to entering MODE 3 after exiting shutdown cooling.

Section 2.2, "Optional Changes and Variations," of the LAR discusses the basis for acceptability of the proposed SR 3.5.2.5.

In order to complete its review of the LAR, The Nuclear Regulatory Commission (NRC) staff requests the following additional information.

RAI SR3.5.2.5-1

LAR Section 2.2 states that if the first-off check valve is leaking at a rate greater than the second-off check valve, then the volume between the check valves will pressurize and a void cannot form.

Provide the following information related to the potential for void formation between these two check valves:

If a leak should occur, could the pressure in the volume between the valves initially be low enough for outgassing to occur with the gas volume not being immediately reabsorbed as the volume pressurizes? If so, the leak rate through the first valve will decrease and through the second valve will increase as the intermediate gas volume is pressurized. Could the resulting condition result in void formation?

RAI SR3.5.2.5-2

Back-leakage from accumulators is not mentioned in the LAR. Is accumulator back-leakage of potential concern?

RAI SR3.5.2.5-3

What follow-up actions will be taken if a void is identified in the piping subject to SR 3.5.2.5?

Hearing Identifier: NRR_PMDA
Email Number: 2711

Mail Envelope Properties (Robert.Kuntz@nrc.gov20160315084700)

Subject: Request for Information related to TST-523 LAR for Prairie Island
Sent Date: 3/15/2016 8:47:15 AM
Received Date: 3/15/2016 8:47:00 AM
From: Kuntz, Robert

Created By: Robert.Kuntz@nrc.gov

Recipients:
"Carlson, Glenn A." <Glenn.Carlson@xenuclear.com>
Tracking Status: None

Post Office:

Files	Size	Date & Time
MESSAGE	8091	3/15/2016 8:47:00 AM

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received: