

ENCLOSURE 2 CONTAINS PROPRIETARY INFORMATION –
WITHHOLD FROM PUBLIC DISCLOSURE IN ACCORDANCE WITH 10CFR 2.390



Monticello Nuclear Generating Plant
2807 W County Rd 75
Monticello, MN 55362

January 31, 2013

L-MT-13-019
10 CFR 50.90

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Monticello Nuclear Generating Plant
Docket 50-263
Renewed License No. DPR-22

Subject: Monticello Extended Power Uprate (EPU): Response to Request for Additional Information related to Automatic Depressurization System Bypass Timer Setting (TAC MD9990)

- References:
- 1) Letter from T J O'Connor (NSPM), to Document Control Desk (NRC), "License Amendment Request: Extended Power Uprate (TAC MD9990)," L-MT-08-052, dated November 5, 2008. (ADAMS Accession No. ML083230111)
 - 2) Letter from T J O'Connor (NSPM) to Document Control Desk (NRC), "License Amendment Request: Maximum Extended Load Line Limit Analysis Plus," L-MT-10-003, dated January 21, 2010. (ADAMS Accession No. ML 100280558)
 - 3) Letter from M A Schimmel (NSPM) to Document Control Desk (NRC), "Monticello Extended Power Uprate: Supplement to Revise Technical Specification Setpoint for the Automatic Depressurization System Bypass Timer (TAC MD9990)," L-MT-12-091, dated October 30, 2012. (ADAMS Accession No. ML12307A036)
 - 4) Email from T Beltz (NRC) to J Fields (NSPM), "Subject: Monticello Nuclear Generating Plant - Draft Request for Additional Information re: Extended Power Uprate Supplement to Revise ADS Bypass Timer Setpoint (TAC No. MD9990)," dated December 26, 2012.

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- 5) Letter from T J O'Connor (NSPM) to Document Control Desk (NRC), "Monticello Extended Power Uprate: Updates to Docketed Information (TAC MD9990)," L-MT-10-072, dated December 21, 2010. (ADAMS Accession No. ML103570026)

Pursuant to 10 CFR 50.90, the Northern States Power Company, a Minnesota corporation (NSPM), doing business as Xcel Energy, requested in Reference 1 an amendment to the Monticello Nuclear Generating Plant (MNGP) Renewed Operating License (OL) and Technical Specifications (TS) to increase the maximum authorized power level from 1775 megawatts thermal (MWt) to 2004 MWt.

Pursuant to 10 CFR 50.90, NSPM requested in Reference 2 an amendment to the MNGP Renewed OL and TS to allow operation within the Maximum Extended Load Line Limit Analysis Plus (MELLLA+) operating domain.

The NRC has permitted the linking of these two applications by letter dated November 23, 2009 (ADAMS Accession No. ML093160816).

In Reference 3, NSPM submitted supplemental information to the NRC that proposed a TS change to modify TS 3.3.5.1, "Emergency Core Cooling System (ECCS) Instrumentation." Specifically, this proposed change would revise the allowable value limit for Functions 1.e and 2.e, "Reactor Steam Dome Pressure Permissive - Bypass Timer (Pump Permissive)," in Table 3.3.5.1-1 of Specification 3.3.5.1. The requested revision is necessary due to changes required in the analyses used to support operating at EPU and MELLLA+ conditions for MNGP.

Subsequently, in Reference 4, the NRC requested additional information related to the proposed TS changes requested in Reference 3. The NRC requested that NSPM provide a copy of the calculations used to produce the proposed TS setpoint values presented in Reference 3.

Enclosure 1 of this letter provides a response to the NRC requested information.

Enclosure 2 provides General Electric – Hitachi (GEH) analysis NEDC-33800P, "Monticello Nuclear Generating Plant Automatic Depressurization System Bypass Timer Extended Power Uprate," Revision 0. This calculation provides the value and basis for the analytical limit for the ADS bypass timer function. This calculation contains proprietary information.

Enclosure 3 provides GEH analysis NEDO-33800, "Monticello Nuclear Generating Plant Automatic Depressurization System Bypass Timer Extended Power Uprate," Revision 0. This is a non-proprietary version of Enclosure 2.

Enclosure 4 provides NSPM calculation 03-036, Instrument Setpoint Calculation - Reactor Low Pressure Permissive Bypass Timer, Revision 1. This is the setpoint calculation for the instruments (timers) associated with the ADS bypass timer function.

Enclosure 5 contains an affidavit executed to support withholding Enclosure 2 from public disclosure. Information in Enclosure 2 contains proprietary information as defined by 10 CFR 2.390. The affidavit sets forth the basis on which the information may be withheld from public disclosure by the NRC and addresses with specificity the considerations listed in 10 CFR 2.390(b)(4). Accordingly, NSPM respectfully requests that the proprietary information in Enclosure 2 be withheld from public disclosure in accordance with 10 CFR 2.390(a)4, as authorized by 10 CFR 9.17(a)4.

Correspondence with respect to the copyright or proprietary aspects of GEH information or the supporting GEH affidavit in Enclosure 5 should be addressed to James F. Harrison, Vice President Fuel Licensing, GE Hitachi Nuclear Energy, 3901 Castle Hayne Road, Wilmington, NC 28401.

The supplemental information provided herein does not change the conclusions of the No Significant Hazards Consideration and the Environmental Consideration evaluations provided in Reference 1 as revised by References 3 and 5 for the Extended Power Uprate LAR. Further, the supplemental information provided herein does not change the conclusions of the No Significant Hazards Consideration and the Environmental Consideration evaluations provided in Reference 2 for the MELLLA+ LAR.

In accordance with 10 CFR 50.91(b), a copy of this application supplement, without enclosures, is being provided to the designated Minnesota Official.

Summary of Commitments

This letter makes no new commitments and no revisions to existing commitments.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on: January 31, 2013

Handwritten signature of Mark A. Schimmel in black ink, written over a horizontal line. The signature is stylized and includes the initials "MAS" at the end.

Mark A. Schimmel
Site Vice-President
Monticello Nuclear Generating Plant
Northern States Power Company-Minnesota

Enclosures (5)

cc: Administrator, Region III, USNRC (w/o enclosures)
Resident Inspector, Monticello Nuclear Generating Plant, USNRC (w/o enclosures)
Project Manager, Monticello Nuclear Generating Plant, USNRC
Minnesota Department of Commerce (w/o enclosures)

ENCLOSURE 1

RESPONSE TO NRC REQUEST FOR ADDITIONAL INFORMATION

RELATED TO PROPOSED AUTOMATIC DEPRESSURIZATION BYPASS TIMER TECHNICAL SPECIFICATION CHANGES

This enclosure provides a response from the Northern States Power Company, a Minnesota corporation (NSPM), doing business as Xcel Energy, to a request for additional information (RAI) provided by the Nuclear Regulatory Commission (NRC) in reference 1.

NRC Request

To complete its review of the proposed change to the Technical Specification related to the setpoint for the Automatic Depressurization System bypass timer, the NRC staff requests the following:

Please provide a copy of the calculation used to produce the proposed setpoint values presented in Table 5.1.2-2 of Enclosure 1 to your October 30, 2012, application (ADAMS Accession No. ML12307A036). The description of the proposed change in the enclosure does not provide sufficient information to make a determination that adequate margin has been established between the Analytical Limits and the Nominal Setpoints to allow for all instrument channel performance uncertainties. The calculation should provide the basis for calculating the allowable value (AV), nominal trip setpoint (NTSP), operating setpoint, as-found tolerance, and as-left tolerance.

NSPM Response

Provided in Enclosure 2, 3 and 4 are the following calculations, which provide the requested information:

- NEDC-33800P, "Monticello Nuclear Generating Plant Automatic Depressurization System Bypass Timer Extended Power Uprate," Revision 0, dated January 2013. This analysis provides the basis for the analytical limit used in the determination of the instrument setpoint value provided in Enclosure 4. This analysis contains information that is proprietary to General Electric – Hitachi. See Enclosure 2.
- NEDO-33800, "Monticello Nuclear Generating Plant Automatic Depressurization System Bypass Timer Extended Power Uprate," Revision 0, dated January 2013. This is a non-proprietary version of the analysis provided in Enclosure 2. See Enclosure 3.

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Enclosure 1

- NSPM Calculation 03-036, Instrument Setpoint Calculation - Reactor Low Pressure Permissive Bypass Timer, Revision 1. This calculation derives the Allowable Value and instrument settings including nominal trip setpoint, operating setpoint, as-found and as-left tolerances. See Enclosure 4.

References

- 1) Email from T Beltz (NRC) to J Fields (NSPM), "Subject: Monticello Nuclear Generating Plant - Draft Request for Additional Information re: Extended Power Uprate Supplement to Revise ADS Bypass Timer Setpoint (TAC No. MD9990)," dated December 26, 2012.