



February 24, 2009

L-MT-09-018
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 Facility Operating License
License No. DPR-22

Response to NRC Steam Generator Tube Integrity & Chemical Engineering Branch
Request for Additional Information (RAI) dated February 11, 2009
(TAC No. MD9990)

- References:
1. NSPM letter to NRC, "License Amendment Request: Extended Power Uprate" (L-MT-08-052) dated November 5, 2008 (TAC No. MD9990) ML083230111
 2. Email P. Tam (NRC) to G. Salamon, T. Blake, and K. Pointer (NSPM) dated February 11, 2009, "Monticello - Draft RAI from Materials Engineering re. the proposed EPU amendment (TAC No. MD9990)"

Pursuant to 10 CFR 50.90, the Northern States Power Company, a Minnesota corporation (NSPM), 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.

The U. S. Nuclear Regulatory Commission (NRC) Steam Generator Tube Integrity and Chemical Engineering Branch provided a draft RAI documented in Reference 2. Enclosure 1 provides the NSPM response to this RAI.

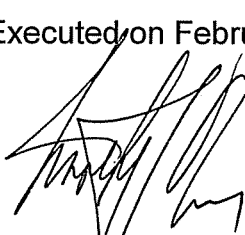
In accordance with 10 CFR 50.91, a copy is being provided to the designated Minnesota Official.

Summary of Commitments

This letter makes no new commitments and does not revise any existing commitments.

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

Executed on February 24, 2009.

A handwritten signature in black ink, appearing to read 'Timothy J. O'Connor', written over the date line of the declaration.

Timothy J. O'Connor
Site Vice President, Monticello Nuclear Generating Plant
Northern States Power Company - Minnesota

Enclosure

cc: Administrator, Region III, USNRC
Project Manager, Monticello, USNRC
Resident Inspector, Monticello, USNRC
Minnesota Department of Commerce

ENCLOSURE 1

MONTICELLO NUCLEAR GENERATING PLANT

**NSPM Response to Steam Generator and Tube Integrity & Chemical Engineering
Branch RAI dated February 11, 2009**

**NSPM Response To SG Tube Integrity and Chemical Engineering Branch RAI dated
February 11, 2009**

NRC Review Item (1)

Our SG Tube Integrity and Chemical Engineering Branch had reviewed your 11/5/08 application for extended power uprate amendment, which references (in Enclosure 16) your submittals for the earlier application for EPU. Your May 28, 2008 (Accession No. ML081490639) letter, Enclosure 3, did not display units of measure in Table 3-2, "Predicted Increase in Wear Rate due to EPU." Please clarify the units of measure for this table (i.e., is the unit of measure percent change from the current values).

NSPM Response

The original title of Table 3-2 was "Average Percentage of Increase". This was covered over in the conversion from Word to Adobe. A copy of the Word Table is provided below. All values in this table are in terms of the percent increase over CLTP values.

	Average Percentage of Increase							
System	Wear Rate	Press	Temp	Quality	Enthalpy	Flow Velocity	Oxygen	Comments
Extraction Steam	29.00	15.70	3.30	-0.10	0.20	27.20	21.30	This wear rate only applies to two small sections of straight pipe, one on each train, off of the 14 heater extraction steam inlet nozzles. Note that the affected components will be replaced with the new feedwater heaters in 2011.
Condensate	22.18	27.65	6.20	0.00	0.00	18.95	0.00	This covers most of the condensate piping; from the 11 drain coolers to the 13 heaters.
Feedwater	20.62	23.60	4.80	0.00	0.00	19.60	0.00	This affects the piping between the 14 and 15 heaters.
Heater Drain	20.21	25.27	5.27	0.00	0.00	16.53	5.00	The two areas affected are between the 12 heaters and the 12 drain coolers and between the 14 and 13 heaters.