



Northern States Power Company

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August , 1994

U S Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

10 CFR Part 50
Section 50.90

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Supplement to License Amendment Request Dated February 12, 1993
Titled "Revised Core Spray Pump Flow and Other Editorial Corrections"

On February 12, 1993, NSP submitted a License Amendment Request that proposed changes to Monticello Technical Specifications concerning the minimum required Core Spray pump flow. NSP also proposed corrections to editorial and typographical errors in surrounding sections of the specifications. Since that time, two new issues have emerged that affect that submittal:

- 1) The first issue involves an additional typographical error discovered on page 53 that should be corrected before the amended page is issued. A detailed discussion of this item as it pertains to our February 12, 1993 License Amendment Request is provided as Attachment 1.
- 2) The second issue involves repairs to the Core Spray header crack, which was discovered during the 1993 refueling outage. Details of the planned repair were provided to the NRC Staff by NSP in a letter dated June 30, 1994. The nature of the repair has an impact on the bypass leakage discussion of the Safety Evaluation provided as Exhibit A to our February 12, 1993 License Amendment Request, however, we have determined that the conclusions of that evaluation remain unchanged. A detailed discussion of this item as it pertains to our February 12, 1993 License Amendment Request is provided as Attachment 2.

The information provided herein is intended to supplement and update the information provided in our February 12, 1993 License Amendment Request and should be given due consideration while reviewing that submittal.

Please contact Terry Coss at (612) 295-1449 if you require further information related to this request.

William J Hill
William J Hill
Plant Manager
Monticello Nuclear Generating Plant

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USNRC
August 25, 1994
Page 2

NORTHERN STATES POWER COMPANY

c: Regional Administrator-III, NRC
NRR Project Manager, NRC
Resident Inspector, NRC
State of Minnesota
Attn: Kris Sanda
J Silberg

Attachments: Affidavit to the US Nuclear Regulatory Commission
Attachment 1 - Editorial correction to Technical
Specification Page 53
Attachment 2 - Supplement to February 12, 1993 Safety
Evaluation to Reflect Core Spray Header
Crack Repair

UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY

MONTICELLO NUCLEAR GENERATING PLANT

DOCKET NO. 50-263

REQUEST FOR AMENDMENT TO
OPERATING LICENSE DPR-22

SUPPLEMENT TO LICENSE AMENDMENT REQUEST DATED FEBRUARY 12, 1993

Northern States Power Company, a Minnesota corporation, hereby provides supplemental information identified as Attachments 1 and 2 concerning the Monticello Operating License amendment request dated February 12, 1993.

This letter contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY

By

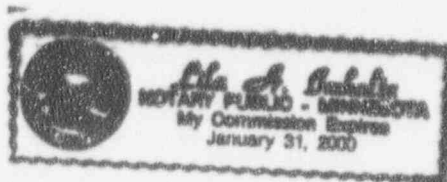
William J Hill
William J Hill

Plant Manager

Monticello Nuclear Generating Plant

On this 25 day of August 1994 before me a notary public in and for said County, personally appeared William J Hill, Plant Manager, Monticello Nuclear Generating Plant, and being first duly sworn acknowledged that he is authorized to execute this document on behalf of Northern States Power Company, that he knows the contents thereof, and that to the best of his knowledge, information, and belief the statements made in it are true and that it is not interposed for delay.

John A. Anhalt



Attachment 1

MONTICELLO NUCLEAR GENERATING PLANT

Supplemental License Amendment Request Dated August 25, 1994
Editorial Correction to Technical Specification Page 53

<u>Page</u>	<u>Section</u>	<u>Additional Proposed Change</u>
53	Table 3.2.2	Revise Automatic Depressurization Timer specification C.2 to indicate that there is only 1 instrument channel per trip system, not 2.

Reason for Change:

The change to page 53 is needed to correct a typographical error that occurred at the time Monticello Amendment 62 was issued. In our December 5, 1986 License Amendment Request (subsequently approved as Amendment 62) we provided, as Exhibit B, a marked-up copy of page 53 showing the desired changes. A "clean" copy of page 53, which was intended to show the page in its final form, was also provided as Exhibit C.

The Exhibit B page correctly portrayed the proposed changes, but when the Exhibit C page was generated by NSP, a typographical error occurred that resulted in a "2" appearing in the column titled "Total Number of Instrument Channels per Trip System" for the Auto Blowdown Timers (Specification C.2). This change was unintentional and was not discussed in the submittal. It appears that the Exhibit C version of the page containing the error was used as the basis for the revised page 53 issued by the NRC as part of Amendment 62. We propose that this error be corrected in conjunction with the other changes to page 53 identified in our February 12, 1993 License Amendment Request.

It should be noted that this error was not carried over into controlled copies of the Technical Specifications issued from Monticello. The Amendment 62 page changes sent out to controlled copy holders by NSP were apparently generated from the Exhibit B marked-up version of page 53, which was correct. The error does, however, appear in the docketed version of the Technical Specification page issued by the NRC on March 31, 1989, which is the official copy of record. The proposed correction will therefore resolve an existing discrepancy between the incorrect docketed version of page 53 and the correct version issued to holders of controlled copies of the Monticello Technical Specifications.

It should also be noted that the Exhibit B and C versions of page 53 included with our February 12, 1993 submittal were generated from a Monticello controlled copy and do not contain the error discussed above. The discrepancy will be resolved if the page is issued as was proposed in that submittal.

The proposed correction to page 53 is editorial in nature and is clearly of no safety significance. The change will serve to correct a typographical error that was inadvertently introduced when a prior amendment was issued. This correction has no impact on the Safety Evaluation, the No Significant Hazards Evaluation, or the Environmental Assessment supplied with our February 12, 1993 License Amendment Request.

Attachment 2

Monticello Nuclear Generating Plant

Supplement to February 12, 1993 Safety Evaluation to Reflect Core Spray Header Crack Repair

Part 1 of the Safety Evaluation included in Exhibit A of our February 12, 1993 License Amendment Request provided a discussion of proposed Technical Specification Changes related to increasing the required Core Spray Pump flow from 2,700 gpm to 2,800 gpm to account for the flow losses (bypass leakage paths) inherent to the Emergency Core Cooling Systems (ECCS) design. A discussion of the specific bypass leakage flow paths was provided. Subsequent to that submittal, a crack was discovered in the "B" Core Spray header that introduced a new bypass leakage path. Planned modifications to repair the crack will introduce additional bypass leakage paths. It is therefore appropriate that the Safety Evaluation provided in our February 12, 1993 submittal be supplemented as follows to reflect this new information.

Upon discovery of the crack, a 10 CFR 50.59 Safety Evaluation was performed that concluded that even if the crack were to propagate to 180° of the pipe circumference (the analytical point at which crack growth would be expected to cease) the sum total leakage through the crack and the other bypass leakage paths was within the 100 gpm margin proposed in our February 12, 1993 submittal. This safety evaluation was provided to the NRC as Attachment (1) to a letter from NSP dated March 8, 1993, titled "Request for NRC Review and Approval of the Evaluation of the 'B' Core Spray Header Crack Indication Discovered During the 1993 Refueling Outage".

Plans have been developed to repair the crack. Details of these plans, which are considered proprietary in nature, were provided to the NRC Staff in a letter from NSP dated June 30, 1994, titled "Information Concerning the 'B' Core Spray Header Crack Indication Discovered During the 1993 Refueling Outage (TAC M85829)". The repair plan requires the drilling of holes through the Core Spray header pipe, which will introduce additional bypass leakage paths.

The Modification Safety Evaluation assessed the impact of the additional leakage paths with respect to the Safety Evaluation in our February 12, 1993 submittal. The new evaluation, which incorporated the results of a refined analysis of the individual contributions of the various bypass leakage paths, yielded the information depicted in Table 1 on the following page.

Table 1

Source	Leakage	Remark
LPCI Jet Pump Slip Joint	50 gpm	Conservative number, carried over from prior evaluation.
1/4" vent hole in Core Spray T-Box	7.9 gpm	Reduced from earlier 20 gpm estimate based on refined analysis.
Existing Crack	12.8 gpm	Reduced from earlier 24 gpm estimate based on refined analysis.
Holes Added by Planned Modification	25.3 gpm	New bypass leakage path
Total Bypass Leakage	96 gpm	Within 100 gpm margin.

The Modification Safety Evaluation concluded that the additional leakage resulting from the planned repairs remains within the margin factored into the 2800 gpm value proposed in our February 12, 1993 submittal, thus there is no impact on the overall conclusions of the Safety Evaluation, the No Significant Hazards Evaluation, or the Environmental Assessment provided in Exhibit A of our February 12, 1993 License Amendment Request.