

February 21, 1997

Mr. Roger O. Anderson, Director
Licensing and Management Issues
Northern States Power Company
414 Nicollet Mall
Minneapolis, MN 55401

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SUBJECT: MONTICELLO NUCLEAR GENERATING PLANT - REQUEST FOR ADDITIONAL
INFORMATION ON LICENSE AMENDMENT REQUEST DATED JANUARY 23, 1997
ENTITLED UPDATE OF DESIGN BASIS ACCIDENT CONTAINMENT TEMPERATURE AND
PRESSURE RESPONSE (TAC NO. M97781)

Dear Mr. Anderson:

By letter dated January 23, 1997, and as revised by letter dated January 28, 1997, Northern States Power Company (NSP) submitted a license amendment requesting review and approval of an update to the design basis accident containment temperature and pressure response.

Based on a preliminary review of the above submittals, the staff has determined that additional information is necessary to complete its review. The enclosed request for additional information (RAI) provides details of the required material.

Please provide your response within 60 days of the date of this letter. If you need additional time, or if you have any questions, please contact me at (301) 415-1392.

Sincerely,

Original signed by:

Tae Kim, Senior Project Manager
Project Directorate III-1
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket No: 50-263

Enclosure: As stated

cc w/encl: See next page

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NAME	TJKim <i>TJK</i>		CJamerson <i>CJ</i>		JHannon <i>JH</i>
DATE	2/20/97		2/19/97		2/20/97

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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Mr. Roger O. Anderson, Director
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Northern States Power Company
414 Nicollet Mall
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A handwritten signature in dark ink, appearing to read "Tae Kim", is written over a horizontal line.

Tae Kim, Senior Project Manager
Project Directorate III-1
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket No: 50-263

Enclosure: As stated

cc w/encl: See next page

Mr. Roger O. Anderson, Director
Northern States Power Company

Monticello Nuclear Generating Plant

cc:

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January 1995

REQUEST FOR ADDITIONAL INFORMATION
MONTICELLO NUCLEAR GENERATING PLANT

1. "Revision No. 1 to License Amendment Request Dated January 23, 1997 Update of Design Basis Accident Containment Temperature and Pressure Response," dated January 28, 1997, stated that the emergency core cooling system (ECCS) pump net positive suction head (NPSH), wetwell attached piping, and environmental conditions in the ECCS pump rooms have all been evaluated and found to be acceptable for the slightly higher suppression pool temperature. Please provide the results of the evaluations including copies of the ECCS pump NPSH calculations for the staff review.
2. The proposed Technical Specification Bases state that "acceptable margins to containment design conditions have been demonstrated.... Therefore the containment spray/cooling system is more than ample to provide the required heat removal capability." Surveillance requirements also provide added assurance that the containment spray/cooling system will be available when required. However, post-LOCA [loss-of-coolant accident] conditions are not the same as normal operations and surveillance conditions. Section 6.2.1.2 of the USAR [updated safety analysis report] states that "the post LOCA long-term operability of the core spray and RHR [residual heat removal] pumps is enhanced by the use of Nukon insulation exclusively inside the drywell. Nukon has been tested for compliance with Reg. Guide 1.82, Rev. 1, [Water Sources for Long-Term Recirculation Cooling Following a Loss-of-Coolant Accident]... to assure that displaced insulation does not collect at the pump inlet debris screen and impede the positive suction head of the pumps." Has an evaluation been performed to verify that the Nukon will not impede the ability of the containment spray/cooling system to perform its required function post-LOCA? If so, please provide a copy of the analysis to the staff.
3. Table 2-1 in Exhibit D of the license amendment request dated January 23, 1997 lists the input parameters for the containment analysis. Please provide the source (i.e., technical specifications, UFSAR [updated final safety analysis report], or other licensing basis documents) for each input value listed in the table.