

# NSP

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

December 10, 1975

Mr. D. L. Ziemann, Chief  
Operating Reactors Branch # 2  
Division of Reactor Licensing  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Ziemann:

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

Status of Modifications Being Made to Mitigate the Consequences  
of Interior Flooding at the Monticello Nuclear Generating Plant

In correspondence dated September 28, 1972, August 24, 1973, and September 10, 1973, Northern States Power Company responded to an inquiry from the Commission to evaluate the potential for interior flooding at the Monticello Nuclear Generating Plant. The conclusions of this evaluation were that no single pipe failure with resultant water flooding will prevent safe reactor shutdown or cause the loss of redundant engineered safety systems. Two modifications were identified, however, which were desirable, to enhance engineered safety system redundancy. These modifications were:

- a. Flood probes in the condenser hotwell area and in the circulating water pump bay with alarms in the control room and automatic trip of circulating water pumps on high level in either area.
- b. Upgrading of the condensate transfer lines in the Reactor Building basement and HPCI Room to seismic category I equivalent.

These modifications were completed during the Autumn 1975 refueling outage with the exception of the automatic circulating water pump trip. Because of delays in the equipment procurement process, necessary material was not available to complete this portion of the



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NORTHERN STATES POWER COMPANY

Mr. D. L. Ziemann

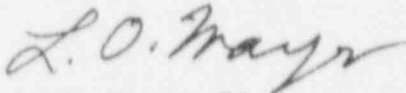
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planned modifications. Level alarms were installed in the condenser hotwell area and in the circulating water pump bay and will annunciate in the Control Room in the event of flooding to permit a Control Room Operator to manually trip the circulating water pumps.

The necessary material to complete work on the automatic trip feature is now available at the plant. This portion of the modification will be completed during the next scheduled plant outage of seven days or longer duration. In addition, a thorough inspection of all rubber expansion joints used in the circulating water system was conducted during the Autumn 1975 refueling outage.

Very truly yours,



L. O. Mayer, PE  
Manager, Nuclear Support Services

LOM/DMM/deb

cc: J. G. Keppler  
G. Charnoff  
MPCA  
Attn: J. W. Ferman

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FILE: \_\_\_\_\_

FROM: Northern States Power Co Minneapolis, Mn L Q Mayer			DATE OF DOC 12-10-75	DATE REC'D 12-12-75	LTR XX	TWX	RPT	OTHER
TO: Mr Ziemann			ORIG one signed	CC	OTHER	SENT NRC PDR <u>XX</u> SENT LOCAL PDR <u>XX</u>		
CLASS	UNCLASS XXXXXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-263		

DESCRIPTION:

Ltr re their ltrs dtd 9-28-72, 8-24-73,  
9-10-73.....turning into concerning status  
of modifications being made to mitigate the con-  
sequences of interior flooding at Monticello....

ENCLOSURES:

PLANT NAME: Monticello

FOR ACTION/INFORMATION 12-13-75 ehf

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