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TO: Mr. James G. Keppler

FROM: Northern States Power Company
Minneapolis, Minnesota
L. J. Wachter

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DESCRIPTION

Consists of response to IE Bulletin 77-05A re connectors in safety systems that could be exposed to accident conditions....

(1-P)

PLANT NAME: Monticello
RJL 12/13/77

ENCLOSURE

FOR ACTION/INFORMATION

SAFETY
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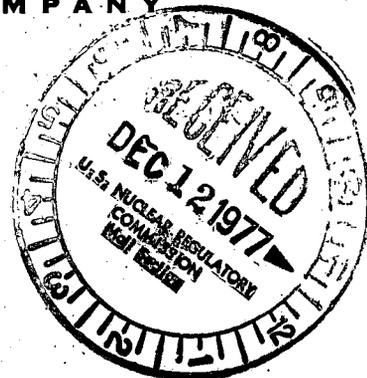
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NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

December 8, 1977



Mr. James G. Keppler
Director - Region III
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Mr. Keppler:

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

In response to IE Bulletin 77-05A, a review of connectors in safety systems has been completed. One application was identified where connectors located outside containment could be briefly exposed to accident conditions; however, this would not affect the ability of the system to perform its safety function.

Single conductor "banana plug" connectors are used on wire leads from primary containment isolation system temperature switches for the main steam, HPCI, and RCIC steam line areas. The switches initiate isolation of the associated steam lines when area temperature reaches a setpoint of $\leq 200^{\circ}\text{F}$ thereby mitigating the consequences of a steam line leak or break. The connectors are completely enclosed in metal junction boxes which prevent direct impingement and provide insulation from the initial temperature increase. Immediately upon initiation the isolation trip signals "seal-in" and the safety function of the temperature switches is fully completed.

No other connectors have been identified in safety systems which are required to mitigate accidents where the accident itself could have any effect on the connector.

Yours very truly,

L. J. Wachter
Vice President - Power Production
and System Operation

cc: Mr. Victor Stello
Mr. G. Charnoff
Minnesota Pollution Control Agency
Attention: Mr. J. W. Ferman
NRC Office of Inspection and Enforcement
Washington, D.C.

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