

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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                          Office of Nuclear Reactor Regulation

SUBJECT: Provides info re commitment in fire protection safety evaluation, Section 3.1.12(2) & 4.3.1.3, to install redundant connection to interior piping sys. New interconnection will be designed to specs equal to original installation.

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# NSP

NORTHERN STATES POWER COMPANY  
Minneapolis, Minnesota 55401

February 11, 1980

Director  
Office of Nuclear Reactor Regulation  
U S Nuclear Regulatory Commission  
Washington, D C 20555

MONTICELLO NUCLEAR GENERATING PLANT  
Docket No. 50-263 License No. DPR-22  
Fire Suppression System Interconnection Required  
by Fire Protection Safety Evaluation

Sections 3.1.12(2) and 4.3.1.3 of the Monticello Fire Protection Safety Evaluation Report issued by the NRC Staff on August 29, 1979 contain our commitment to provide a redundant connection to each of the two interior piping subsystems. The purpose of this letter is to supply the Staff with design information relating to these modifications.

The normal fire suppression water system supply to both the reactor building and the turbine building is an 8" line. The redundant connection to each system will be accomplished by interconnecting the systems just prior to the point where the normal supply lines branch into smaller diameter lines supplying various areas of each building's system, (see attached sketch).

The interconnection starts in the turbine building in the area below fire zone 16. The line then progressively passes through fire zones 16, 19A, the turbine operating floor, 3A and into fire zone 3B.

The new interconnection will be 8" in diameter. It will be designed to, as a minimum, specifications equal to the original installation. Valving will be provided in both the normal supply line and the interconnection to adequately isolate any potential failure in either line. See attached sketch for an illustration of system valving.

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Please contact us if you require additional information related to this design change.

*David Mussey for*  
L. O. Mayer, PE  
Manager of Nuclear Support Services

LOM/kik

attachment

cc: J G Keppler  
G Charnoff

# FIRE SUPPRESSION SYSTEM

## INTERCONNECTION

→ North

