

APR 1 1974

PDR

Docket No. 50-263

Donald J. Skovholt, Assistant Director for Operating Reactors, L  
NORTHERN STATES POWER COMPANY, MONTICELLO NUCLEAR GENERATING STATION,  
PROMPT RELIEF TRIP SYSTEM (PRT)

Our preliminary review of the engineering drawings for the proposed design and installation of the PRT system in the Monticello plant has revealed that the design criterion that no more than one safety-relief valve will be inadvertently actuated is not met. A single event in the PRT cabinet can inadvertently actuate more than one safety-relief valve.

Unless this concern is satisfactorily resolved, installation of the PRT is not recommended, even though we can conclude that mere installation, but not actuation, of the PRT system can be made not to degrade existing safety systems considerably below their present design implementation.

In addition, the following points require careful consideration in determining acceptability of the PRT preferably before installation, but certainly before actuation.

1. Inadvertent PRT actuation during a DBA. With this possibility in mind, it may be necessary to incorporate permissives similar to those of ADS.
2. Unnecessary PRT actuation on loss of RPS scram voltage.
3. Single Failure Criterion.
4. Environmental and seismic qualification of components.
5. The on-line testability provisions proposed by G.E. represent merely a continuity test and are not acceptable. Since PRT is a new system and, as such, it will be incorporated in all BWRs, the Regulatory Guide 1.22 recommendations should be incorporated in its design.

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Our review for final acceptance of PRT is not complete, it will address the above concerns and will be performed within the schedule established for TAR-868.

Original Signed by  
Victor Stello

Victor Stello, Jr., Assistant Director  
for Reactor Safety  
Directorate of Licensing

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