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UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON, D.C. 20545

300.3410  
300.3610

August 3, 1972

Packet No. 50-263

ATTN: Ed. Claeson  
PS&E

Northern States Power Company  
ATTN: Mr. Arthur V. Dienhart  
Vice President of Engineering  
414 Nicollet Mall  
Minneapolis, Minnesota 55401

Gentlemen:

**FLOODING OF CRITICAL EQUIPMENT**

A failure of an expansion bellows in the circulating water line which serves the main condenser recently occurred at Quad-Cities Unit 1. The resultant flooding caused degradation of some of the engineered safety features. Interim corrective action has been taken and more permanent corrective measures are planned at Quad-Cities 1 and 2 to prevent recurrence. A copy of the abnormal occurrence report filed by Commonwealth Edison for this event is enclosed.

You are requested to review your facilities to determine (1) whether failure of any equipment which does not meet the criteria of Class I seismic construction, particularly the circulating water system, could cause flooding sufficient to adversely affect the performance of engineered safety systems, and (2) whether failure of any equipment could cause flooding such that common mode failure of redundant safety related equipment would result. The integrity of barriers to protect critical equipment from flood waters should be assumed only when the barrier meets the seismic requirements for Class I structures. If your review determines that engineered safety features could be so affected, provide your plans and schedule for corrective action together with the justification for continued operation of your facility pending completion of the corrective action.

*E. Claeson - Orig 4/12*  
*J. Soukup (4)*  
*M. Armondo*  
*300.3410*  
*Folder MP*

PROJECT: *PS&E*  
FROM: *VSP/9*  
TO: *PS&E to Claeson*  
DATE: *9/11/72*  
BY: *58 MP*

*1 of 2*

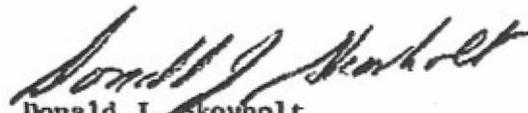
Northern States Power Company

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August 3, 1972

The results of your review are requested within sixty days. This information should be provided with one signed original and thirty-nine additional copies.

Sincerely,



Donald J. Skovholt  
Assistant Director for  
Operating Reactors  
Directorate of Licensing

Enclosure:

CE ltr dtd 6/17/72

cc: Gerald Charnoff  
Shaw, Pittman, Potts, Trowbridge & Madden  
910 - 17th Street, N. W.  
Washington, D. C. 20006

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