

JAN 18 1974

Docket No. 50-263

a  
Northern States Power Company  
ATTN: Mr. E. C. Word  
414 Nicollet Mall  
Minneapolis, Minnesota 55401

Gentlemen:

We are reviewing your report dated August 1973 on postulated pipe failures outside containment and have additional questions which are enclosed. References to the pages of your report have been added to some questions to aid you in identifying the area in which additional information is required.

Please provide your response to these questions by March 4, 1974. It is requested that the answers be provided with one signed original and thirty-nine additional copies.

Sincerely,

Original Signed by:  
Dennis L. Ziemann

Dennis L. Ziemann, Chief  
Operating Reactors Branch #2  
Directorate of Licensing

Enclosure:  
Question List

cc w/enclosures:  
See next page

Distribution

Docket File	TJ Carter	ACRS (16)
AED PIR	DL Ziemann	RO (3)
Local PIR	Swarg	OGC
Branch Reading	J Snell	BScharf (15)
JF Reading	JJ Shea	
J Skovholt	W Diggs	

OFFICE	L:ORB #2	L:ORB #2	L:ORB #2	L:ORB #2	
WT391	J Snell:WE	W Diggs	JJ Shea	DL Ziemann	4
SURNAME					
DATE	1/17/74	1/17/74	1/18/74	1/18/74	

Form AEC-318 (Rev. 9-63) AECM 0240

GPO 842-16-81405-1 842-076

9102120632 740118  
CF ADOCK 05000263  
CF

January 18, 1974

cc w/enclosures:

Donald E. Nelson, Esquire  
VP and GC  
Northern States Power Company  
414 Nicollet Avenue  
Minneapolis, Minnesota 55401

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

Howard J. Vogel, Esquire  
Knittle & Vogel  
814 Flour Exchange Building  
Minneapolis, Minnesota 55415

Steve Gadler, P. E.  
2120 Carter Avenue  
St. Paul, Minnesota 55108

Mr. Donald L. Ficker  
City of St. Paul  
647 City Hall  
St. Paul, Minnesota 55102

Ken Dzigan  
Minnesota Pollution Control Agency  
717 Delaware Street, S. E.  
Minneapolis, Minnesota 55440

Warren R. Lawson, M. D.  
Secretary & Executive Officer  
State Department of Health  
717 Delaware Street, S. E.  
Minneapolis, Minnesota 55440

Environmental Library of Minnesota  
1222 S. E. 4th Street  
Minneapolis, Minnesota 55414

Anthony Z. Roisman, Esquire  
Berlin, Roisman and Kessler  
1712 N Street, N. W.  
Washington, D. C. 20036

QUESTIONS ON MONTICELLO HIGH ENERGY  
LINE BREAKS OUTSIDE OF CONTAINMENT

1. Provide the design pressure of the following:
  - a. Condenser compartment (page 16)
  - b. HPCI compartment (page 24)
  - c. RWCU pump and heat exchange rooms (page 29)
  - d. Main steam chase
2. What was the basis of the time of 10 minutes used for operator action? What is the maximum time allowed before the safety valves would open? (paragraph 6.2.1.(4) page 19)
3. Submit the details of the additional protection mentioned in paragraph 6.2.2(1). (page 20 and 34)
4. Since the torus is not strictly a pipe, the statement that the torus will not be damaged because the torus wall thickness is greater than that of the HPCI steam line, may not be accurate. Similar circumstances on other BWR torus plants necessitated the installation of impact plates or restraints to prevent the HPCI and RWCU lines from impacting the torus. An analysis must be performed to show the impact energy the HPCI line would have upon the torus. Please submit such an analysis for all high energy lines which could impact the torus. (page 23)
5. What are the environmental consequences of a primary steam sample line break on any safety related equipment or cabling? (page 30)
6. What are the environmental consequences of a main steam or feedwater sensing line break on safety related equipment or cabling? (page 32)