

Docket No. 50-263

AUG 23 1977

Northern States Power Company  
ATTN: Mr. L. O. Mayer, Manager  
Nuclear Support Services  
414 Nicollet Mall - 8th Floor  
Minneapolis, Minnesota 55401

DISTRIBUTION:  
Docket  
NRC PDR  
Local PDR  
ORB-2 Reading  
RPSnaider  
RMDiggs  
DEisenhut  
Attorney, OELD  
I&E (3)  
JRBuchanan  
TBAbernathy  
TJCarter  
ACRS (16)

Gentlemen:

RE: MONTICELLO NUCLEAR GENERATING PLANT

The NRC has completed its initial evaluation of the BWR feedwater nozzle and control rod drive (CRD) line return nozzle cracking phenomena and experience to date. This evaluation has considered examination results reported by BWR owners, theoretical analyses of the causes of the cracking and propagation, and studies of potential remedial measures to minimize crack initiation and growth for the short term and also to eliminate the causes of cracking for the longer term. The enclosed staff report presents our position regarding feedwater nozzle and CRD nozzle cracking and includes inspection criteria to be used by licensees to monitor crack growth until such time as the causes of cracking have been eliminated.

Although you have already made us aware of your tentative plans for nozzle inspection and repair during the forthcoming Monticello 1977 refueling outage, and we expect to continue discussion of this subject in the near future, you should especially note the requested information submittals of Part I, Section 7 and Part II Section 5. These submittals should be provided prior to each outage subsequent to the Fall, 1977 outage.

Sincerely,

Original signed by



Don K. Davis, Acting Chief  
Operating Reactors Branch #2  
Division of Operating Reactors

Enclosure:  
Staff Report

cc w/enclosure:  
See next page

*miss 4/12*

OFFICE➤	DOR:ORB-2	DOR:ORB-2				
SURNAME➤	RPSnaider:es	DKDavis				
DATE➤	8/22/77	8/23/77				



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

August 23, 1977

Docket No. 50-263

Northern States Power Company  
ATTN: Mr. L. O. Mayer, Manager  
Nuclear Support Services  
414 Nicollet Mall - 8th Floor  
Minneapolis, Minnesota 55401

Gentlemen:

RE: MONTICELLO NUCLEAR GENERATING PLANT

The NRC has completed its initial evaluation of the BWR feedwater nozzle and control rod drive (CRD) line return nozzle cracking phenomena and experience to date. This evaluation has considered examination results reported by BWR owners, theoretical analyses of the causes of the cracking and propagation, and studies of potential remedial measures to minimize crack initiation and growth for the short term and also to eliminate the causes of cracking for the longer term. The enclosed staff report presents our position regarding feedwater nozzle and CRD nozzle cracking and includes inspection criteria to be used by licensees to monitor crack growth until such time as the causes of cracking have been eliminated.

Although you have already made us aware of your tentative plans for nozzle inspection and repair during the forthcoming Monticello 1977 refueling outage, and we expect to continue discussion of this subject in the near future, you should especially note the requested information submittals of Part I, Section 7 and Part II Section 5. These submittals should be provided prior to each outage subsequent to the Fall, 1977 outage.

Sincerely,

A handwritten signature in dark ink, appearing to read "Don K. Davis", is written over the typed name.

Don K. Davis, Acting Chief  
Operating Reactors Branch #2  
Division of Operating Reactors

Enclosure:  
Staff Report

cc w/enclosure:  
See next page

cc

Gerald Charnoff, Esquire  
Shaw, Pittman, Potts and  
Trowbridge  
1800 M Street, N. W.  
Washington, D. C. 20036

Arthur Renquist, Esquire  
Vice President - Law  
Northern States Power Company  
414 Nicollet Mall  
Minneapolis, Minnesota 55401

Howard J. Vogel, Esquire  
Legal Counsel  
2750 Dean Parkway  
Minneapolis, Minnesota 55416

Mr. Kenneth Dzigan  
Environmental Planning Consultant  
Office of City Planner  
Grace Building  
421 Wabasha Street  
St. Paul, Minnesota 55102

Sandra S. Gardebring  
Executive Director  
Minnesota Pollution Control Agency  
1935 W. County Road B2  
Roseville, Minnesota 55113

Anthony Z. Roisman, Esquire  
Roisman, Kessler and Cashdan  
1025 15th Street, N. W., 5th Floor  
Washington, D. C. 20005

The Environmental Conservation Library  
Minneapolis Public Library  
300 Nicollet Mall  
Minneapolis, Minnesota 55401