

PDR

JAN 29 1976

DOCKET NO. 50-263

Karl R. Goller, Assistant Director for Operating Reactors, DOR

Plant Name: Monticello

Docket No.: 50-263

PROJECT BRANCH ORB-2

AND PROJECT MANAGER: R. Snaider

REVIEW BRANCH: Reactor Safety Branch

REVIEW STATUS: Awaiting information

Additional information is required to continue our review of Northern States Power Company's letter of December 1, 1975 in which they requested a change in the main steam line low pressure setpoint and a change in the operating MCPR limits for 8x8 and 7x7 fuel. The request for additional information is attached as enclosure 1.

Original signed by  
Darrell G. Eisenhut

Darrell G. Eisenhut, Assistant Director  
for Operational Technology  
Division of Operating Reactors

9212040337 760129  
PDR ADOCK 05000263  
P PDR

Enclosure:  
As stated

cc: R. Baer  
R. Snaider  
B. Grimes  
D. Ziemann

DISTRIBUTION:  
Central Files  
Docket Files (50-263)  
NRR Reading  
RSB Reading  
BBuckley  
DEisenhut  
OT Branch Reading  
OT Technical Assistant

OFFICE	OR:RSB	OR:RSB	OR:EEB	OR:AD/OT		
SURNAME	BCBuckley	RBaer	BGrimes	DEisenhut		
DATE	1/17/76	1/27/76	1/28/76	1/28/76		

1. For the spectrum of steamline breaks downstream of the main steamline isolation valves (MSIV) provide the following:
  - (a) An analysis of the change in the radiological consequences resulting from the reduction in the setpoint for MSIV closure on low steamline pressure from 850 psig to 825 psig. So that we may perform an independent check, also provide the difference in the amount of steam and liquid released as a result of the lower setpoint.
  - (b) A discussion of the effects of the setpoint reduction on peak cladding temperature and MCPR.
2. In the analysis of the failure of the turbine pressure regulator presented in your SAR, the main steamline isolation valves are assumed to start closing (initiating a reactor scram) when the low steamline pressure is reached.
  - (a) Identify other transients that assume MSIV closure and reactor scram are initiated by the low steamline pressure signal.
  - (b) Provide a reanalysis of the failure of the turbine pressure regulator transient, and the other transients identified in (a), assuming MSIV closure and reactor scram at the proposed setpoint of 825 psig.
3. Were MCPR values of 1.38 and 1.29 for 8x8 and 7x7 fuel used as the initial thermal conditions for establishing the worst case for rod withdrawal error. If so, what is the rod block setting and do the affected fuel bundles stay above a MCPR value of 1.06.
4. Provide the scram reactivity curve for EOC5.