

FEB 25 1976

Docket No. 50-263

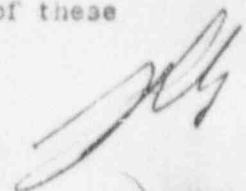
Northern States Power Company  
ATTN: Mr. L. O. Mayer, Manager  
Nuclear Support Services  
414 Nicollet Mall - 8th Floor  
Minneapolis, Minnesota 55401

Gentlemen:

RE: MONTICELLO NUCLEAR GENERATING PLANT      LICENSE NO : DPR-22

Discussions between the NRC staff and BWR plant licensees have led to the development of technical specifications that include explicit remedial actions to be taken in the event that a MAPLHGR, LHGR, or MCPK operating limit is exceeded. The incorporation of specific remedial actions into the Limiting Conditions for Operation (LCO's) which define the abovementioned operating limits allows, in accordance with the provisions of 10 CFR Part 50, §50.36(c)(2), a limited period of time for operator action to be taken to restore plant parameters within established operating limits rather than requiring that the plant immediately be shut down. In addition, since Regulatory Guide 1.16, Revision 4, includes a provision which permits a 30 day written Reportable Occurrence Report to be submitted in lieu of a 24 hour report if specified remedial action is taken when the plant is found to be operating in a condition less conservative than that specified by an LCO, the incorporation of specified action items into these LCO's would assure that the reporting requirements associated with exceeding MAPLHGR, LHGR, and MCPK limits are acceptable without being overly burdensome.

In a previously completed licensing action we authorized changes to your Technical Specifications which incorporated new MAPLHGR, LHGR, and MCPK operating limits based upon an acceptable ACCS analysis and on GETAB. The LCO's defining the abovementioned operating limits did not include explicit remedial action to be taken in the event that one of these operating limits is exceeded.



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Accordingly, we request that you submit within 60 days of the date of this letter an application for amendment to your license that would change your technical specifications to be in conformance with the requirements of the enclosed model technical specifications. Since the model technical specifications were not prepared explicitly for your plant, some editing may be necessary in order to adapt them to the format of your Technical Specifications.

Sincerely,  
Original Signed by:  
Dennis L. Ziemann

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

Enclosure:  
Model Technical Specifications

cc: See next page

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DATE ▶	2/24/76	2/25/76			

cc w/enclosures:

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February 25, 1976

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3.11. FUEL RODSApplicability

The Limiting Conditions for Operation associated with the fuel rods apply to those parameters which monitor the fuel rod operating conditions.

Objective

The Objective of the Limiting Conditions for Operation is to assure the performance of the fuel rods.

SpecificationsA. Average Planar Linear Heat Generation Rate (APLHGR)

During power operation, the APLHGR for each type of fuel as a function of average planar exposure shall not exceed the limiting value shown in Figure 3.11-1. If at any time during operation it is determined by normal surveillance that the limiting value for APLHGR is being exceeded, action shall be initiated within 15 minutes to restore operation to within the prescribed limits. If the APLHGR is not returned to within the prescribed limits within two (2) hours, the reactor shall be brought to the Cold Shutdown condition within 36 hours. Surveillance and corresponding action shall continue until reactor operation is within the prescribed limits.

B. Linear Heat Generation Rate (LHGR)

During power operation, the LHGR as a function of core height shall not exceed the limiting value shown in Figure 3.11-2. If at any time during operation it is determined by normal surveillance that the limiting value for LHGR is being exceeded, action shall be initiated within 15 minutes to restore operation to within the prescribed limits. If the

4.11. FUEL RODSApplicability

The Surveillance Requirements apply to the parameters which monitor the fuel rod operating conditions.

Objective

The Objective of the Surveillance Requirements is to specify the type and frequency of surveillance to be applied to the fuel rods.

SpecificationsA. Average Planar Linear Heat Generation Rate (APLHGR)

The APLHGR for each type of fuel as a function of average planar exposure shall be determined daily during reactor operation at  $\geq 25\%$  rated thermal power.

B. Linear Heat Generation Rate (LHGR)

The LHGR as a function of core height shall be checked daily during reactor operation at  $\geq 25\%$  rated thermal power.

LHGR is not returned to within the prescribed limits within two (2) hours, the reactor shall be brought to the Cold Shutdown condition within 36 hours. Surveillance and corresponding action shall continue until reactor operation is within the prescribed limits.

C. Minimum Critical Power Ratio (MCPR)

During power operation, MCPR shall be  $\geq 1.32$  at rated power and flow. If at any time during operation it is determined by normal surveillance that the limiting value for MCPR is being exceeded, action shall be initiated within 15 minutes to restore operation to within the prescribed limits. If the steady state MCPR is not returned to within the prescribed limits within two (2) hours, the reactor shall be brought to the Cold Shutdown condition within 36 hours. Surveillance and corresponding action shall continue until reactor operation is within the prescribed limits. For core flows other than rated the MCPR shall be 1.32 times  $K_f$  where  $K_f$  is as shown in Figure 3.11-3.

4.11.C. Minimum Critical Power Ratio (MCPR)

MCPR shall be determined during reactor power operation at  $\geq 25\%$  rated thermal power and following any change in power level or distribution that would cause operation with a limiting control rod pattern as described in the bases for Specification 3.3.F.