



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 30 TO FACILITY OPERATING

LICENSE NO. DPR-22

NORTHERN STATES POWER COMPANY

MONTICELLO NUCLEAR GENERATING PLANT

DOCKET NO. 50-263

1.0 Introduction

By letter dated September 7, 1984 Northern States Power Company (the licensee) proposed to change the Technical Specifications (TSs) for the Monticello Nuclear Generating Plant to add Limiting Conditions of Operation and Surveillance Requirements for the low low setpoint logic modification. The low low setpoint modification is designed to ensure a minimum water leg clearing time between any safety relief valve closure and subsequent actuation to minimize thrust loads as part of the generic Mark I containment modification program. The review and approval of the low low setpoint logic modification was issued by the NRC to the licensee by letter dated March 19, 1984.

The proposed amendment also reduces the Limiting Condition of Operation for the maximum suppression pool water volume, so that the water volume is consistent with the analysis supporting the Mark I containment modification program.

2.0 Evaluation

A Safety Evaluation for the low low setpoint design modification was attached to the March 19, 1984 letter from the NRC to the Northern States Power Company. In summary, it was concluded that the design modification is acceptable because it will not adversely affect plant performance or safety margin. Also, it was concluded that the design modification is compatible with normal plant operation and other safety systems.

The staff required that the Technical Specifications be revised to include the selected setpoint changes.

The staff has reviewed the Technical Specifications revisions proposed by the licensee and finds that the Limiting Conditions of Operation and Surveillance Requirements are consistent with the requirements of the generic Mark I containment modification program and are therefore acceptable.

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The change in Limiting Condition for Operation for the pool water volume is required in order to make the water volume consistent with the analyses supporting the Mark I containment modification program, and is also acceptable.

3.0 Environmental Considerations

This amendment involves changes in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and changes in surveillance requirements. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 Conclusions

We have concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

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Dated: November 16, 1984