



Northern States Power Company

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Minneapolis, Minnesota 55401
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July 5, 1988

10 CFR Part 50
Section 50.90

Director of Nuclear Reactor Regulation
U S Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D C 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Docket Nos. 50-282 License Nos. DPR-42
50-306 DPR-60

License Amendment Request Dated July 5, 1988
Best Estimate LOCA Analysis

Attached is a request for a change to the Technical Specifications, Appendix A of the Operating Licenses, for the Prairie Island Nuclear Generating Plant. This request is submitted in accordance with the provisions of 10 CFR Part 50, Section 50.90. A check is attached in the amount of \$150.00 in accordance with the requirements of 10 CFR Part 170 for the amendment application fee.

This License Amendment Request proposes changes to peaking factors in accordance with the upper plenum injection (UPI) Best Estimate LOCA Program. This program began in 1985 and has been developed to resolve NRC Staff concerns with the modeled location of the low head ECCS injection paths. The model developed by the UPI Best Estimate LOCA Program has the low head ECCS water being injected into the upper plenum of the reactor vessel reflecting the actual design of the two-loop Westinghouse reactors installed in Prairie Island Units 1 and 2.

The approval of this UPI Best Estimate LOCA Program is needed to support operation of Unit 1 Cycle 13. This program has been submitted to the NRC Staff by Westinghouse Electric Corporation and is referenced in Exhibit D. Unit 1 Cycle 13 is scheduled to begin on September 28, 1988.

Exhibit A describes the proposed changes, provides the reasons for the changes and provides the supporting safety evaluation/significant hazards determination. Exhibit B contains the proposed changes marked

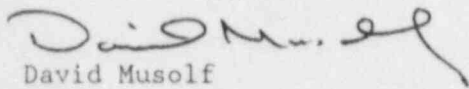
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up on the existing Technical Specification pages. Exhibit C contains the revised Technical Specification pages. Exhibits D and E contain supporting documentation.

Please contact us if you have any questions related to this License Amendment Request.



David Musolf
Manager - Nuclear Support Services

DMM/TMP/tp

c: Regional Administrator-III, NRC
NRR Project Manager, NRC
Resident Inspector, NRC
MPCA
Attn: J W Ferman
G Charnoff

Attachments:

Affidavit and Check for \$150.00 payable to U S Nuclear Regulatory Commission

Exhibit A - Evaluation of Proposed Changes to the Technical Specifications

Exhibit B - Proposed Changes Marked Up on Existing Technical Specification Pages

Exhibit C - Revised Technical Specification Pages

Exhibit D - Safety Evaluation of Increased FQ and FΔH, NSPNAD 8705 Revision 1

Exhibit E - Demonstration of the Conformance of Prairie Island Units 1 and 2 to Appendix K and 10CFR50.46 for Large Break LOCAs