



Northern States Power Company

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March 7, 1997

10 CFR Part 50
Section 50.90

U S Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

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

Supplement 3 to License Amendment Request Dated January 29, 1997
Amendment of Cooling Water System Emergency Intake Design Bases

This letter is submitted to supplement the subject license amendment request pursuant to discussions with the NRC Staff in meetings on February 24, 1997 and in partial response to Question 3 in NRCs Request for Additional Information dated February 21, 1997. Attachment 1 contains the Prairie Island site seismic time histories for use in the dynamic finite element analysis requested in Question 3.

Complete response to Question 3 of the Request for Additional Information dated February 21, 1997 requires performance of two-dimensional dynamic finite element analyses of the Prairie Island intake canal banks. An important input into these analyses is the Prairie Island site seismic time histories. Attached for NRC information is the Prairie Island seismic time histories which have been generated for use in the two-dimensional dynamic finite element analysis of the intake canal banks. If the NRC has any concerns with the attached information, please let us know as soon as possible.

A revised Safety Evaluation, Significant Hazards Determination and Environmental Assessment have not been submitted since these evaluations, as originally

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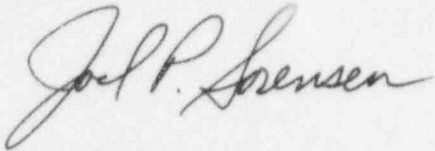
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USNRC
March 7, 1997
Page 2 of 2

presented in the January 29, 1997 submittal, continue to bound the proposed license amendment as supplemented.

If you have any questions related to this supplement to the subject license amendment request, please contact myself or Dale Vincent at 612-388-6758.



Joel P. Sorensen
Plant Manager,
Prairie Island Nuclear Generating Plant

Attachment 1: Generation of Artificial Time Histories for Use in the 2-D Finite
 Element Dynamic Seismic Analysis of Prairie Island Seismic
 Intake Canal Slopes

c: Regional Administrator - III, NRC
 NRR Project Manager, NRC
 Senior Resident Inspector, NRC
 State of Minnesota
 Attn: Kris Sanda
 J E Silberg