



Northern States Power Company

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January 28, 1992

NRC Generic Letter 89-13

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

Response to NRC Generic Letter 89-13
Service Water System Problems
Affecting Safety-Related Equipment

- References:
1. T M Parker, Northern States Power Company, to Director of Nuclear Reactor Regulation, dated January 29, 1990 titled: "Response to Generic Letter 89-13 Service Water System Problems Affecting Safety-Related Equipment"
 2. T M Parker, Northern States Power Company, to U S Nuclear Regulatory Commission, dated December 28, 1990 titled: "Response Update to NRC Generic Letter 89-13 Service Water System Problems Affecting Safety-Related Equipment"
 3. T M Parker, Northern States Power Company, to U S Nuclear Regulatory Commission, dated June 27, 1991 titled: "Response Update to NRC Generic Letter 89-13 Service Water System Problems Affecting Safety-Related Equipment"

The purpose of this letter is to provide information regarding the status of activities taken by NSP in accordance with the Generic Letter.

In Reference 2, we committed to completion of a study of the effectiveness of our biocide program for the service water system by July 1, 1991. Equipment problems in our new biocide feed system necessitated modifications to the system and a repeat of a test to complete the study (Reference 3). We have completed the study. Biological testing indicated that the current biocide levels provide adequate control. We are presently utilizing the sodium hypochlorite/sodium bromide system for biological control. We will continue to monitor effectiveness by periodic sampling at the remote points of the system. The sampling will involve testing for chemical levels as well as the use of bioslides to monitor biological growth. All sampling and monitoring will be documented.

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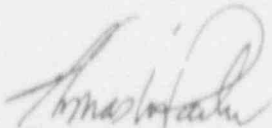
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Also, in Reference 2, we discussed planned inspections of accessible interior surfaces. In the discussion, we committed to cleaning excessive accumulations when discovered during these inspections. Additionally, we said that we would develop methods for mechanically cleaning the interior surfaces of piping. Based on our success with chemical cleaning methods, we have changed our plans and presently intend to use chemical cleaning rather than mechanical cleaning when there is excessive accumulation.

We now affirm that all initial tests and activities which we committed to in the referenced letters, with the exception of the development of mechanical cleaning methods as discussed above, have been completed and that continuing programs have been established.

Please contact us if you have any questions related to this response.



Thomas M Parker
Manager
Nuclear Support Services

c: Regional Administrator - Region III, NRC
Senior Resident Inspector, NRC
NRR Project Manager, NRC
J E Silberg

UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

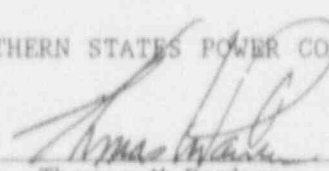
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50-306

RESPONSE TO NRC GENERIC LETTER 89-13,
SERVICE WATER SYSTEM PROBLEMS
AFFECTING SAFETY-RELATED EQUIPMENT

Northern States Power Company, a Minnesota corporation, with this letter is submitting information requested by NRC Generic Letter 89-13.

This letter contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY

By 
Thomas M Parker
Manager, Nuclear Support Services

On this 28th day of January 1992 before me a notary public in and for said County, personally appeared Thomas M Parker, Manager, Nuclear Support Services, and being first duly sworn acknowledged that he is authorized to execute this document on behalf of Northern States Power Company, that he knows the contents thereof, and that to the best of his knowledge, information, and belief the statements made in it are true and that it is not interposed for delay.

