



**Northern States Power Company**

Prairie Island Nuclear Generating Plant

1717 Wakonade Dr. East  
Welch, Minnesota 55089

November 14, 1996

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

Comments on Final Staff Report - Plan for Resolving Spent  
Fuel Storage Pool Action Plan Issues -- (TAC No. M88094)

The purpose of this letter is to provide comments on the staff report on Spent Fuel Storage Pool issues and the accompanying NRC letter (dated September 26, 1996) that was sent to NSP.

The accompanying letter states:

The staff noted that the SFP's at Prairie Island are not capable of being cooled by a system powered from an onsite source without special reconfiguration of the electrical distribution system.

The following describes our current configuration:

The SFP cooling system's power is normally supplied by 480V Bus 1GA1 fed by 480V Bus 190 (via 4160V Bus 13) and 1GA2 fed by 480V Bus 290 (via 4160 Bus 24).

In the event of a loss of offsite power, the ability exists to align either Diesel Generator D3 to Bus 190 and/or Diesel Generator D4 to Bus 290, which would provide redundant backup SFP cooling capability. Diesel Generators D3 and D4 are both non-safeguards diesel generators. This change in power supply lineup

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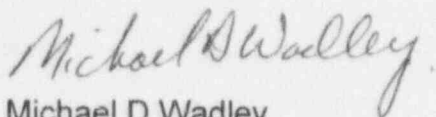
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can be accomplished utilizing approved Prairie Island operating procedures, "C20.16 AOP1 Powering of Spent Fuel Pool Cooling and Battery Room Cooling from D3 Following a Loss of Offsite Power," and "C20.16 AOP2 Powering of Spent Fuel Pool Cooling and Battery Room Cooling from D4 Following a Loss of Offsite Power."

Additionally, a modification is in process to change the power supplies for the SFP cooling system to safeguards sources backed by safeguards diesel generators. This modification is planned to be operational within the next five months. At that time, there should be no Prairie Island SFP design concerns to be considered for regulatory analysis.

Please contact Jack Leveille (612-388-1121, Ext. 4662) if you have any questions regarding our understanding of this issue.

In this letter we have made no new Nuclear Regulatory Commission commitments.



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Prairie Island Nuclear Generating Plant

c: Regional Administrator - Region III, NRC  
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