



Northern States Power Company

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Technical Specification 6.7.a.2

US 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

Prairie Island Unit 2 Cycle 16 Startup Report

In accordance with the requirements of Section 6.7.a.2 of the Prairie Island Technical Specifications, a Startup Report for Unit 2 Cycle 16 is attached.

This report is required to be submitted within 90 days following the resumption of commercial power operation following installation of a fuel that has a different design. This report is being submitted due to an increase in the uranium 235 enrichment level to 4.95 weight percent coupled with a change to Zirlo cladding material with the higher burnup Westinghouse Vantage+ fuel design. Previously the fuel was enriched to 4.2 weight percent uranium 235 and utilized zircaloy cladding with the Westinghouse OFA fuel design.

Please contact Gene Eckholt (612) 388-1121 ext 4663 if you have any questions related to the information we have provided.

Roger O Anderson
Director
Licensing and Management Issues

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

Attachment: Prairie Island Startup Physics Test Report, Unit 2, Cycle 16

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