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L-PI-17-008
10 CFR 72.44(d)(3)

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U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Director, Division of Spent Fuel Management
Office of Nuclear Material Safety and Safeguards
Washington, DC 20555-0001

Prairie Island Nuclear Generating Plant Units 1 and 2
Dockets 50-282 and 50-306
Renewed License Nos. DPR-42 and DPR-60

Independent Spent Fuel Storage Installation (ISFSI) Annual Effluent Report, January through December 2016

Pursuant to the requirements of 10 CFR 72.44(d)(3) and the Prairie Island Nuclear Generating Plant Technical Specifications, Section 5.3, Northern States Power Company, a Minnesota corporation, during business as Xcel Energy (hereafter "NSPM"), submits the enclosed ISFSI Annual Effluent Report for the period of January 2016 through December 2016.

Summary of Commitments

This letter contains no new commitments and no revisions to existing commitments.

A handwritten signature in black ink, appearing to read 'Scott Northard', written in a cursive style.

Scott Northard
Site Vice President, Prairie Island Nuclear Generating Plant
Northern States Power Company - Minnesota

Enclosure

cc: Regional Administrator, Region III, USNRC
Project Manager, Prairie Island, USNRC
Resident Inspector, Prairie Island, USNRC
State of Minnesota, Department of Commerce

ENCLOSURE

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT
ANNUAL ISFSI EFFLUENT REPORT**

January 2016 through December 2016

Independent Spent Fuel Storage Installation

40 Total Casks

During the 2016 calendar year, there were zero (0) additional casks loaded and placed in the Prairie Island ISFSI. At the end of the 2016 calendar year, there were a total of forty (40) casks loaded in the Prairie Island ISFSI.

Airborne Effluent Releases from the ISFSI

0.00E+00 Ci

There was no airborne effluent release from the Prairie Island ISFSI during the calendar year 2016.

Liquid Effluent Releases from the ISFSI

0.00E+00 Ci

There was no liquid effluent release from the Prairie Island ISFSI during the calendar year 2016.

Dose to Individuals Due to ISFSI Effluent Releases

0.00E+00 mrem