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February 18, 2022

L-PI-22-006  
10 CFR 72.44(d)(3)  
ISFSI Tech Spec 5.3

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

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

Prairie Island Independent Spent Fuel Storage Installation  
Docket No. 72-10  
Materials License No. SNM-2506

Independent Spent Fuel Storage Installation (ISFSI) Annual Effluent Report, January through December 2021

Pursuant to the requirements of 10 CFR 72.44(d)(3) and the Prairie Island Nuclear Generating Plant ISFSI Technical Specifications, Section 5.3, Northern States Power Company, a Minnesota corporation, doing business as Xcel Energy (hereafter "NSPM"), submits the enclosed ISFSI Annual Effluent Report for the period of January through December 2021.

Summary of Commitments

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

A handwritten signature in black ink, appearing to read 'Christopher P. Domingos', written over a horizontal line.

Christopher P. Domingos  
Site Vice President, Monticello and Prairie Island Nuclear Generating Plants  
Northern States Power Company – Minnesota

Enclosure

cc: 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 INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI) ANNUAL EFFLUENT REPORT, JANUARY THROUGH DECEMBER 2021

#### Independent Spent Fuel Storage Installation

47 Total Casks

During the 2021 calendar year, there were zero (0) additional casks loaded and placed in the Prairie Island ISFSI. At the end of the 2021 calendar year, there remains a total of forty-seven (47) 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 2020.

#### 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 2020.

#### Dose to Individuals Due to ISFSI Effluent Releases

0.00E+00 mrem