



FEB 24 2011

L-PI-11-009  
10 CFR 72.44(d)(3)

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

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

Prairie Island Independent Spent Fuel Storage Installation (Prairie Island ISFSI) Annual Effluent Report, January through December 2010

Attached is the Annual Effluent Report for the Prairie Island ISFSI for the period of January 2010 through December 2010. This report is submitted pursuant to the requirements of 10 CFR 72.44(d)(3) and Prairie Island ISFSI Technical Specifications, Section 5.3.

Summary of Commitments

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

Mark A. Schimmel  
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 through December 2010**

**Independent Spent Fuel Storage Installation**

**29 Total Casks**

During the 2010 calendar year, there were four (4) additional casks loaded and placed in the Prairie Island ISFSI. At the end of the 2010 calendar year, there were a total of twenty-nine (29) casks loaded in the Prairie Island ISFSI.

**Airborne Effluent Releases from the ISFSI**

**0.00E+00 Curies**

There were no airborne effluent releases from the Prairie Island ISFSI during the calendar year 2010.

**Liquid Effluent Releases from the ISFSI**

**0.00E+00 Curies**

There were no liquid effluent releases from the Prairie Island ISFSI during the calendar year 2010.

**Dose to Individuals Due to ISFSI  
Effluent Releases**

**0.00E+00 mrem**