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10 CFR 72.44(d)(3)

U S Nuclear Regulatory Commission
ATTN: Document Control Desk
Director, Spent Fuel Project Office
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 2009

Attached is the Annual Effluent Report for the Prairie Island ISFSI for the period of January 2009 through December 2009. This report is submitted pursuant to the requirements of 10 CFR 72.44(d)(3) and Prairie Island ISFSI Technical Specifications, Section 6.3.

Summary of Commitments

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

A handwritten signature in black ink, appearing to read 'Mark A. Schimmel'.

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 2009

Independent Spent Fuel Storage Installation

25 Total Casks

During the 2009 calendar year, there was one (1) additional cask loaded and placed in the Prairie Island ISFSI. At the end of the 2009 calendar year, there were a total of twenty-five (25) 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 2009.

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 2009.

Dose to Individuals Due to ISFSI Effluent Releases

0.00E+00 mrem