



Prairie Island Nuclear Generating Plant
1717 Wakonade Drive East
Welch, MN 55089

December 16, 2014

L-PI-14-105
10 CFR 72.42

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 No. 72-10
Materials License No. SNM-2506

Supplemental Information to Support Environmental Review of License Renewal
Application for the Prairie Island Independent Spent Fuel Storage Installation –
Archaeological Survey Report (TAC No. L24592)

- References:
1. Letter from M.A. Schimmel (NSPM) to Document Control Desk (NRC), "Prairie Island Independent Spent Fuel Storage Installation (ISFSI) License Renewal Application," L-PI-11-074, dated October 20, 2011 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML11304A068).
 2. Prairie Island Indian Community's Request for Hearing and Petition to Intervene in License Renewal Proceeding for the Prairie Island Independent Spent Fuel Storage Installation, August 24, 2012.
 3. Memorandum and Order, Ruling on Request for Hearing and Petition to Intervene, Northern States Power Co. (Prairie Island Nuclear Generating Plant Independent Storage Installation), LBP-12-24, ASLB No. 12-922-01-ISFSI-MLR-BD01, December 20, 2012.
 4. Letter from K. Davison (NSPM) to Document Control Desk (NRC), "Supplemental Information to Support Environmental Review of License Renewal Application for the Prairie Island Independent Spent Fuel Storage Installation (TAC No. L24592)," L-PI-14-075, August 21, 2014 (ADAMS Accession No. ML14237A222).

Pursuant to 10 CFR 72.42, Northern States Power Company, a Minnesota corporation doing business as Xcel Energy (hereafter "NSPM"), submitted in Reference 1 an application to renew the site-specific license for the Prairie Island Independent Spent

L1M5526

Fuel Storage Installation (ISFSI) for an additional 40 year period. In Reference 2, the Prairie Island Indian Community (PIIC) submitted a request for hearing and petition to intervene in the license renewal proceeding. In Reference 3, the Atomic Safety and Licensing Board (ASLB) admitted a number of the PIIC's contentions, including portions of Contentions 2 and 4 regarding potential impacts on archaeological resources as a result of the future expansion of the ISFSI. In Reference 4, NSPM provided a commitment to the Nuclear Regulatory Commission (NRC) to perform subsurface archaeological surveys within the area where any new ISFSI pads will be located.

NSPM has completed the subsurface archaeological survey committed to in Reference 4 and the report of this survey is included in Enclosure 2 to this letter. This report is provided for consideration by the NRC Staff during their environmental review of the Prairie Island ISFSI License Renewal Application (Reference 1).

The archaeological survey included locations being evaluated for additional concrete storage pads and for potential infrastructure changes, including a new cask transporter storage facility and a new concrete turn-around area in the access road to the ISFSI. An additional concrete turn-around area is planned but is in a location that is close to a number of underground utilities. This area was considered to be previously disturbed and was not included in the scope of the archaeological survey, with approval from the archaeologist and from the PIIC.

The archaeological survey consisted of shovel tests at fifteen locations, and soil core tests at six of these locations. As described in the enclosed survey report, no archaeological properties were found. Also, no evidence of paleosols, which are older land surfaces that have been buried, was observed.

NSPM's intent in the Reference 4 commitment was to perform subsurface surveys for the potential expansion of the ISFSI from 48 to 64 casks, as approved by the Minnesota Public Utilities Commission (MPUC). Submittal of the attached report documents completion of these subsurface archaeological surveys and completes the commitment in Reference 4.

Enclosure 1 to this letter contains the oath or affirmation statement required pursuant to 10 CFR 72.16.

Enclosure 2 to this letter contains the subject survey report titled "Phase I Archaeological Investigations for the Proposed Expansion of the Independent Spent Fuel Storage Installation and Associated Infrastructure at the Prairie Island Nuclear Generating Plant," Goodhue County, Minnesota. This report was prepared by Westwood Professional Services, Eden Prairie, MN.

If there are any questions or if additional information is needed, please contact Gene Eckholt, Projects Licensing Manager, at 651-267-1742.

Summary of Commitments

This letter contains no new commitments and describes completion of the commitment made in Reference 4.

A handwritten signature in black ink, appearing to read "Scott Sharp", is written over the printed name.

Scott Sharp
Director, Site Operations, Prairie Island Nuclear Generating Plant
Northern States Power Company – Minnesota

Enclosures (2)

cc: Administrator, Region III, USNRC
SFST Project Manager, Prairie Island ISFSI, USNRC
Environmental Project Manager, Prairie Island ISFSI, USNRC
NRR Project Manager, Prairie Island, USNRC (letter only)
Resident Inspector, Prairie Island, USNRC
State of Minnesota (letter only)
President of the Prairie Island Indian Community Tribal Council

ENCLOSURE 1

Oath or Affirmation Pursuant to 10 CFR 72.16

1 Page Follows

UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY - MINNESOTA

PRAIRIE ISLAND INDEPENDENT SPENT FUEL STORAGE INSTALLATION
DOCKET NO. 72-10

LICENSE RENEWAL APPLICATION FOR
MATERIALS LICENSE No. SNM-2506

SUPPLEMENT TO LICENSE RENEWAL APPLICATION
INFORMATION TO SUPPORT ENVIRONMENTAL REVIEW
ARCHAEOLOGICAL SURVEY REPORT

The Northern States Power Company, a Minnesota corporation, d/b/a Xcel Energy (hereafter "NSPM") provides additional information that supports the application to renew the Materials License for the Prairie Island Independent Spent Fuel Storage Installation.

This letter contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY - MINNESOTA



By Scott Sharp
Scott Sharp
Director, Site Operations
Prairie Island Nuclear Generating Plant
Northern States Power Company - Minnesota

State of Minnesota

County of Goodhue

On this 16 day of December, 2014 before me a notary public acting in said County, personally appeared Scott Sharp, Director, Site Operations, Prairie Island Nuclear Generating Plant, and being first duly sworn acknowledged that he is authorized to execute this document on behalf of NSPM, that he knows the contents thereof, and that to the best of his knowledge, information, and belief the statements made in it are true.

Janet Louise Swanson