



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

DEC 08 2015

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U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

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

Prairie Island Nuclear Generating Plant, Units 1 and 2, Completion of Required  
Action by NRC Order EA-12-051, Reliable Spent Fuel Pool Instrumentation  
(TAC Nos. MF0832 and MF0833)

Reference:

1. NRC Order EA-12-051, "Issuance of Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," dated March 12, 2012 (ADAMS Accession No. ML12054A682).

On March 12, 2012, the Nuclear Regulatory Commission (NRC) staff issued Order EA-12-051, "Issuance of Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," (Reference 1) to Northern States Power Company, a Minnesota corporation (NSPM), doing business as Xcel Energy. Reference 1 was immediately effective and directed NSPM to have a reliable indication of the water level in the spent fuel storage pool for Prairie Island Nuclear Generating Plant (PINGP) Units 1 and 2 as outlined in Attachment 2 of Reference 1. This letter, along with its enclosure, provides the notification required by § IV.C.3 of the Order that full compliance with the requirements described in Attachment 2 of the Order has been achieved for PINGP, Units 1 and 2. The enclosure to this letter provides the Order compliance summary.

Please contact Lynne Gunderson, Licensing Engineer, at 651-267-7421, if additional information or clarification is required.

Summary of Commitments

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

I declare under penalty of perjury that the foregoing is true and correct.

Executed on December 8, 2015.



Kevin Davison  
Site Vice President, Prairie Island Nuclear Generating Plant  
Northern States Power Company - Minnesota

Enclosure

cc: Administrator, Region III, USNRC  
Project Manager, Prairie Island Nuclear Generating Plant, USNRC  
Resident Inspector, Prairie Island Nuclear Generating Plant, USNRC

## ENCLOSURE

### **Prairie Island Nuclear Generating Plant, Units 1 and 2 Completion of Required Action by NRC Order EA-12-051, Reliable Spent Fuel Pool Instrumentation**

#### **Compliance with NRC Order EA-12-051**

#### **1.0 Background**

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued Order EA-12-051, "Issuance of Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," (Reference 1), to Northern States Power Company, a Minnesota corporation (NSPM), doing business as Xcel Energy. The Order was effective immediately and directed NSPM to install reliable spent fuel pool level instrumentation in the Prairie Island Nuclear Generating Plant (PINGP), Units 1 and 2, as outlined in Attachment 2 of the Order. The Order required compliance prior to plant startup from the second refueling outage following submittal of the Overall Integrated Plan (OIP), or by December 31, 2016, whichever came first. The compliance date for PINGP, Units 1 and 2, was November 17, 2015. The NRC staff requested that the compliance report be submitted up to 60 days following the compliance date. The information provided herein documents full compliance for PINGP, Units 1 and 2, in response to the Order.

#### **2.0 Compliance**

NSPM has installed two independent full-scale level monitors in the PINGP, Units 1 and 2, Spent Fuel Pools (SFPs) in response to Reference 1. The SFP at PINGP is a shared pool comprised of two storage pools and a fuel transfer canal. These three pools are separated by slots in the walls that can be isolated by use of pneumatically sealed gates.

NSPM submitted the PINGP, Units 1 and 2, OIP by letter dated February 26, 2013 (Reference 2). By letter dated November 14, 2013 (Reference 3), the NRC provided its interim staff evaluation and the staff's request for additional information that was necessary for review completion. The information requested by the NRC in Reference 3 was provided in the fifth six-month status report, dated August 25, 2015 (Reference 4). The Reference 4 status report also provided the bridging document, which compared the vendor's technical information to the PINGP site-specific considerations. Neither the responses to the requested information nor the bridging document has changed since the Reference 4 submittal.

Compliance with Order EA-12-051 was achieved using the guidance in Nuclear Energy Institute (NEI) document NEI 12-02 (Reference 5), which is endorsed by the NRC (Reference 6).

### 3.0 References

1. NRC Order EA-12-051, "Issuance of Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," dated March 12, 2012 (ADAMS Accession No. ML12054A682).
2. NSPM Letter to NRC, "Overall Integrated Plan in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated February 26, 2013 (ADAMS Accession No. ML13060A363).
3. NRC Letter to NSPM, "Prairie Island Nuclear Generating Plant, Units 1 and 2 – Interim Staff Evaluation and Request for Additional Information Regarding the Overall Integrated Plan for Implementation of Order EA-12-051, Reliable Spent Fuel Pool Instrumentation (TAC NOS. MF0832 and MF0833)," dated November 14, 2013 (ADAMS Accession No. ML13311A486).
4. NSPM Letter to NRC, "Prairie Island Nuclear Generating Plant's Fifth Six-Month Status Report in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051) (TAC NOS. MF0832 and MF0833)," dated August 25, 2015 (ADAMS Accession No. ML15237A444).
5. NEI 12-02, "Industry Guidance for Compliance with NRC Order EA-12-051, 'To Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation,'" Revision 1, dated August 2012 (ADAMS Accession No. ML12240A307).
6. NRC Interim Staff Guidance JLD-ISG-2012-03, "Compliance with Order EA-12-051, Reliable Spent Fuel Pool Instrumentation," Revision 0, dated August 29, 2012 (ADAMS Accession No. ML12221A339).