



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

March 4, 2014

Mr. Kevin Davison
Site Vice President
Prairie Island Nuclear Generating Plant
Northern States Power Company, Minnesota
1717 Wakonade Drive East
Welch, MN 55089

SUBJECT: ANNUAL ASSESSMENT LETTER FOR PRAIRIE ISLAND NUCLEAR
GENERATING PLANT, UNITS 1 AND 2 (REPORT 05000282/2013001;
05000306/2013001)

Dear Mr. Davison:

On February 12, 2014, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Prairie Island Nuclear Generating Plant, Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2013 through December 31, 2013. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, Prairie Island Unit 1 operated in a manner that preserved public health and safety and met all cornerstone objectives. Prairie Island Unit 1 began the assessment period in the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) for a WHITE Finding in Emergency Preparedness for a failure to maintain ability to classify emergency action levels. In a letter dated August 29, 2013, the NRC notified Prairie Island that the NRC had completed its supplemental inspection and that Unit 1 returned to the Licensee Response Column as of the fourth quarter of 2013. The NRC determined the performance of Unit 1 during the most recent quarter was within the Licensee Response Column of the NRC's ROP Action Matrix, because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The NRC determined the performance at Prairie Island Unit 2 during the most recent quarter was within the Regulatory Response Column of the NRC's ROP Action Matrix, because of one

low-to-moderate safety significant (White) PI for Emergency Alternating Current Power Systems in the Mitigating Systems Performance Index.

On November 25, 2013, your staff notified the NRC of your readiness for us to conduct a supplemental inspection to review the actions taken to address the performance issues. However, on January 31, 2014, your staff requested the NRC postpone the planned inspection due to questions regarding corrective action effectiveness. Therefore, in addition to ROP baseline inspections, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area," after you notify the NRC of your readiness.

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised beginning in calendar year (CY) 2014. New cross-cutting aspects identified in CY 2014 will be coded under the latest revision to Inspection Manual Chapter (IMC) 0310. Cross-cutting aspects identified in the last six months of 2013 using the previous terminology will be converted to the latest revision in accordance with the cross-reference in IMC 0310. The revised cross-cutting aspects will be evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305 starting with the CY 2014 mid-cycle assessment review.

The enclosed inspection plan lists the inspections scheduled through June 30, 2015. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

We also plan on conducting Temporary Instruction 2515/189 "Inspection to Determine Compliance of Dynamic Restraint (Snubber) Program with 10 CFR 50.55a" and Inspection Procedure 71003 "Post-Approval Site Inspection For License Renewal."

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure, will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records System (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

K. Davison

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Please contact Kenneth Riemer at 630-829-9628 with any questions you have regarding this letter.

Sincerely,

/RA/

Anne T. Boland, Director
Division of Reactor Projects

Docket Nos. 50-282; 50-306; and 72-010
License Nos. DPR-42; DPR-60; and
SNM-2506

Enclosure:
Prairie Island Nuclear Generating Plant
Inspection/Activity Plan

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K. Davison

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DOCUMENT NAME: Prairie Island Annual Assessment Letter

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Letter to Kevin Davison from Anne Boland dated March 4, 2014

SUBJECT: ANNUAL ASSESSMENT LETTER FOR PRAIRIE ISLAND NUCLEAR
GENERATING PLANT, UNITS 1 AND 2 (REPORT 05000282/2013001;
05000306/2013001)

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Prairie Island
 Inspection / Activity Plan
 03/01/2014 - 06/30/2015

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
SG REPL - STEAM GENERATOR REPACEMENT-UNIT 2					8
1,2	01/01/2014	04/06/2014	IP 50001	Steam Generator Replacement Inspection	
1,2	01/01/2014	04/06/2014	IP 7111119	Post Maintenance Testing	
1,2	01/01/2014	04/06/2014	IP 7111120	Refueling and Other Outage Activities	
1,2	01/01/2014	04/06/2014	IP 7111122	Surveillance Testing	
ISFSI - ISFSI OPERATION AT A SITE INSPECTION					2
1	03/01/2014	04/30/2014	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
BI MODS - MODIFICATION/50.59 INSPECTION					5
1,2	04/14/2014	05/02/2014	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
BI EPX - EP EXERCISE INSPECTION / PI VERIFICATION					2
1	07/28/2014	08/01/2014	IP 71151	Performance Indicator Verification	
BI RP - RADIATION PROTECTION BASELINE INSPECTION					1
1	05/19/2014	05/23/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/19/2014	05/23/2014	IP 71124.04	Occupational Dose Assessment	
BI ENG - BIENNIAL PI&R INSPECTION					8
1	06/09/2014	06/27/2014	IP 71152B	Problem Identification and Resolution	
RENEWAL - LICENSE RENEWAL INSPECTION U2					9
1,2	07/14/2014	08/01/2014	IP 71003	Post-Approval Site Inspection for License Renewal	
OL PREP - INITIAL EXAM FOR 08/2014					4
1	07/14/2014	07/18/2014	W90310	OL - INITIAL EXAM - 2014 MAY-JAN - PRAI	
OL EXAM - PRAIRIE ISLAND INITIAL EXAM - 08/2014					4
1	08/04/2014	08/15/2014	W90310	OL - INITIAL EXAM - 2014 MAY-JAN - PRAI	
BI ISI - INSERVICE INSPECTION UNIT 1 & SNUBBER TI					2
1,2	10/08/2014	11/22/2014	IP 2515/189	Inspection to Determine Compliance of Dynamic Restraint (Snubber) Program with 10 CFR 50.55a	
2	10/08/2014	11/22/2014	IP 7111108P	Inservice Inspection Activities - PWR	
BI RP - RADIATION PROTECTION BASELINE INSPECTION					1
1	11/17/2014	11/21/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
BI RP - RADIATION PROTECTION BASELINE INSPECTION					1
1	02/23/2015	02/27/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
BI RP - RADIATION PROTECTION BASELINE INSPECTION					1
1	05/11/2015	05/15/2015	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	

This report does not include INPO and OUTAGE activities.
 This report shows only on-site and announced inspection procedures.