



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

August 29, 2022

Mr. Christopher P. Domingos
Site Vice President
Prairie Island Nuclear Generating Plant
Northern States Power Company, Minnesota
1717 Wakonade Drive East
Welch, MN 55089-9642

SUBJECT: UPDATED INSPECTION PLAN FOR PRAIRIE ISLAND NUCLEAR
GENERATING PLANT (Report 05000282/2022005; 05000306/2022005)

Dear Mr. Domingos:

The enclosed inspection plan lists the inspections scheduled through June 30, 2024 for the Prairie Island Nuclear Generating Plant. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last 12 months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

Beginning on January 1, 2023, the engineering inspection frequency will transition from a triennial (3-year) to a quadrennial (4-year) cycle. The new engineering inspection program will consist of a "Comprehensive Engineering Team Inspection (CETI)¹" and three "Focused Engineering Inspections (FEIs)" that will be performed in each quadrennial cycle. For the cycle beginning in 2023, the FEIs will be: "Fire Protection Team Inspection," "Commercial Grade Dedication," and an engineering inspection that reviews age-related degradation and management².

In response to the COVID-19 public health emergency (PHE), the NRC adjusted inspection plans and schedules in order to safeguard the health and safety of both NRC and licensee staff while still effectively implementing the ROP. While the PHE continues, overall conditions throughout the country support performance of our inspection and oversight activities to return to normal onsite presence by our resident and region-based inspectors and completion of

¹ Aspects of the Design Basis Assurance Inspection (DBAI), Evaluations of Changes, Tests, & Experiments, and Heat Sink inspections will be included in the CETI inspection. Attached Report 22 will reference DBAI procedure until the CETI procedure is made publicly available. Previously scheduled Evaluation of Changes, Tests, & Experiments and Heat Sink inspections have been cancelled and removed from attached Report 22.

² The age-related degradation and management procedure is under development and will be publicly available by the end of calendar year 2022.

nominal baseline inspection samples. We continue to monitor site-specific conditions and as discussed in our November 2, 2021 memo, "Implementation of Inspection Programs Following Re-Entry from the Public Health Emergency for the Reactor Safety Program" (ML21295A302), it may be necessary to alter how and when we perform our inspection and oversight activities as we balance the importance of protecting the health and safety of our staff with the need to conduct effective oversight that supports the NRC's critical safety mission.

For inspections requiring extensive coordination with offsite organizations, such as evaluated emergency preparedness exercises, NRC guidance and frequently asked questions for security and emergency preparedness can be found here: <https://www.nrc.gov/about-nrc/covid-19/security-ep/>. Similarly, the NRC has developed guidance if force-on-force inspections cannot be completed as scheduled due to an emergency, such as the COVID-19 PHE. These changes help ensure the health and safety of both NRC and licensee staff while maintaining the NRC's important safety and security mission during the COVID-19 PHE. The attached inspection plan is accurate on the date of issuance but remains subject to change based on approval of potential exemption requests or other changes needed due to changing conditions in the COVID-19 PHE. NRC staff will contact your appropriate regulatory affairs staff in order to coordinate inspection planning and scheduling.

Additionally, during this period the NRC will schedule an additional inspection per a revised version Temporary Instruction (TI) 2515/194, "Inspection of the Licensee's Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerability in Electrical Power Systems (NRC Bulletin 2012-01)" for any sites who elect to implement the guidance of the Industry Initiative on Open Phase Condition, Revision 3 (ML19163A176), which included an option for relying on annunciation and operator manual actions instead of automatic protective features to isolate a power supply affected by an open phase condition. Licensees will be individually notified when the NRC schedules these inspections.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 630-829-9834 with any questions you have regarding this letter.

Sincerely,



Signed by Orlikowski, Robert
on 08/29/22

Robert Orlikowski, Acting Chief
Branch 3
Division of Reactor Projects

Docket Nos. 05000282 and 05000306
License Nos. DPR-42 and DPR-60

Enclosure:
Inspection Plan

Distribution via LISTSERV®

Letter to Christopher Domingos from Robert Orlikowski dated August 29, 2022.

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GENERATING PLANT (Report 05000282/2022005; 05000306/2022005)

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Site Inspection Activity Plan

07200010 - Prairie Island (ISFSI)

07/01/2022 - 06/30/2024

Unit	Start	End	Activity	CAC	Title	Staff Count
ISFSI Cask Loading Inspection						2
	5/1/2023	5/5/2023	IP 60855	001001	Operation Of An ISFSI	
ISFSI Security Inspection						1
	8/21/2023	8/25/2023	IP 81311	001006	Physical Security Requirements for Independent Spent Fuel Storage Installations	

Site Inspection Activity Plan

Prairie Island

07/01/2022 - 06/30/2024

Unit	Start	End	Activity	CAC	Title	Staff Count
License Renewal Phase 4						4
1,2	7/17/2022	7/23/2022	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
Emergency Preparedness Exercise Inspection / Performance Indicator Verification						4
1,2	8/1/2022	8/4/2022	IP 71114.01	000716	Exercise Evaluation	
Prairie Island August 2022 Initial License Exam						3
1,2	8/7/2022	8/13/2022	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
Triennial Heat Sink Inspection						2
1,2	8/8/2022	8/12/2022	IP 71111.07T	000700	Heat Exchanger/Sink Performance	
Cyber Security Inspection						4
1,2	9/12/2022	9/16/2022	IP 71130.10	000741	Cybersecurity	
Inservice Inspection Unit 2						1
2	10/9/2022	10/28/2022	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
Inservice Inspection Unit 1						1
1	10/17/2022	10/28/2022	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
Radiation Protection Baseline Inspection						1
1,2	10/31/2022	11/4/2022	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
Security Baseline Inspection						1
1,2	11/14/2022	11/18/2022	IP 71130.14	000743	Review of Power Reactor Target Sets	
Radiation Protection Baseline Inspection						1
1,2	11/28/2022	12/2/2022	IP 71124.05	000729	Radiation Monitoring Instrumentation	
Biennial Problem Identification and Resolution Inspection						4
1,2	4/3/2023	4/21/2023	IP 71152B	000747	Problem Identification and Resolution	
Force-on-Force Planning and Exercises - PI						4
1,2	4/10/2023	4/14/2023	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1,2	5/1/2023	5/5/2023	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
Emergency Preparedness Baseline Inspection / Performance Indicator Verification						1
1,2	4/17/2023	4/21/2023	IP 71114.02	000717	Alert and Notification System Testing	
1,2	4/17/2023	4/21/2023	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1,2	4/17/2023	4/21/2023	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1,2	4/17/2023	4/21/2023	IP 71151	001397	Performance Indicator Verification	
Biennial Requalification Program Inspection						2
1,2	6/11/2023	6/17/2023	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	

Site Inspection Activity Plan

Functional Engineering Inspection - Commercial Grade Dedication						3
1,2	6/12/2023	6/30/2023	IP 71111.21N.03	001808	Commercial Grade Dedication	
Security Baseline Inspection						1
1,2	7/10/2023	7/14/2023	IP 71130.02	000734	Access Control	
1,2	7/10/2023	7/14/2023	IP 71151	001338	Performance Indicator Verification	
1,2	7/31/2023	8/4/2023	IP 71130.07	000739	Security Training	
1,2	8/21/2023	8/25/2023	IP 71130.08	000740	Fitness For Duty Program	
1,2	8/21/2023	8/25/2023	IP 71130.09	001656	Security Plan Changes	
Radiation Protection Baseline Inspection						1
1,2	8/14/2023	8/18/2023	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
Inservice Inspection Unit 2						1
2	9/30/2023	10/20/2023	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
Radiation Protection Baseline Inspection						1
1,2	10/16/2023	10/20/2023	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
Comprehensive Engineering Team Inspection						7
1,2	2/12/2024	3/1/2024	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
Risk-Informed Categorization and Treatment of SSCs						4
1,2	4/15/2024	5/3/2024	IP 37060	000521	10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems, and Components Inspection	
Radiation Protection Baseline Inspection						1
1,2	4/22/2024	4/26/2024	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	4/22/2024	4/26/2024	IP 71124.04	000728	Occupational Dose Assessment	
Radiation Protection Baseline Inspection						1
1,2	6/3/2024	6/7/2024	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
Security Baseline Inspection						2
1,2	6/10/2024	6/14/2024	IP 71130.05	000737	Protective Strategy Evaluation	