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

February 28, 2024

Shawn Hafen
Site Vice President
Monticello Nuclear Generating Plant
Northern States Power Company, Minnesota
2807 West County Road 75
Monticello, MN 55362–9637

SUBJECT: ANNUAL ASSESSMENT LETTER FOR MONTICELLO NUCLEAR GENERATING PLANT, UNIT 1 (REPORT 05000263/2023006)

Dear Shawn Hafen:

The NRC has completed its end-of-cycle performance assessment of the Monticello Nuclear Generating Plant, Unit 1, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2023, through December 31, 2023. 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 concluded that overall performance at your facility preserved public health and safety. The baseline inspection program was completed at your facility as defined in Inspection Manual Chapter 2515, "Light-Water Reactor Inspection Program - Operations Phase."

The NRC determined the performance at the Monticello Nuclear Generating Plant, Unit 1, during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2025. 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.

The NRC plans to perform Inspection Procedure (IP) 37060, "10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems, and Components Inspection," in 2025.

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 630-829-9833 with any questions you have regarding this letter.

Sincerely,

Signed by Skokowski, Richard
on 02/28/24

Richard Skokowski, Chief
Reactor Projects Branch 3
Division of Operating Reactor Safety

Docket No. 05000263
License No. DPR–22

Enclosure:
Inspection Plan

cc: Distribution via LISTSERV®

Letter to Shawn Hafen from Richard Skokowski dated February 28, 2024.

SUBJECT: ANNUAL ASSESSMENT LETTER FOR MONTICELLO NUCLEAR GENERATING PLANT, UNIT 1 (REPORT 05000263/2023006)

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Site Inspection Activity Plan

07200058 - Monticello (ISFSI)

01/01/2024 - 12/31/2025

Unit	Start	End	Activity	CAC	Title	Staff Count
ISFSI Security Inspection						1
	9/23/2024	9/27/2024	IP 81311	001006	Physical Security Requirements for Independent Spent Fuel Storage Installations	

Site Inspection Activity Plan

Monticello

01/01/2024 - 12/31/2025

Unit	Start	End	Activity	CAC	Title	Staff Count
Radiation Protection Baseline Inspection						1
1	3/4/2024	3/8/2024	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
Functional Engineering Inspection - Aging of Structures, Systems, and Components						3
1	3/11/2024	3/29/2024	IP 71111.21N.04	001832	Age-Related Degradation	
Security Baseline Inspection						2
1	4/8/2024	4/12/2024	IP 71130.02	000734	Access Control	
1	4/8/2024	4/12/2024	IP 71151	001338	Performance Indicator Verification	
Cyber Security Inspection						3
1	4/22/2024	4/26/2024	IP 71130.10	000741	Cybersecurity	
Radiation Protection Baseline Inspection						1
1	5/13/2024	5/17/2024	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	5/13/2024	5/17/2024	IP 71124.04	000728	Occupational Dose Assessment	
1	5/13/2024	5/17/2024	IP 71151	000746	Performance Indicator Verification	
Emergency Preparedness Baseline Inspection / Performance Indicator Verification						1
1	6/3/2024	6/7/2024	IP 71114.02	000717	Alert and Notification System Testing	
1	6/3/2024	6/7/2024	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	6/3/2024	6/7/2024	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	6/3/2024	6/7/2024	IP 71151	001397	Performance Indicator Verification	
Force-on-Force Planning and Exercises - MON						5
1	6/3/2024	6/7/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	6/24/2024	6/28/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
Radiation Protection Baseline Inspection						1
1	7/15/2024	7/19/2024	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
Material Control and Accountability Triennial Inspection						1
1	8/4/2024	9/21/2024	IP 71130.11	000742	Material Control and Accounting (MC&A)	
Biennial Problem Identification and Resolution Inspection						4
1	8/5/2024	8/23/2024	IP 71152B	000747	Problem Identification and Resolution	
Monticello October 2024 Initial License Exam						5
1	9/8/2024	9/14/2024	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	10/13/2024	10/19/2024	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
1	10/20/2024	10/26/2024	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
Security Baseline Inspection						1

Site Inspection Activity Plan

1	9/23/2024	9/27/2024	IP 71130.01	000733	Access Authorization
1	9/23/2024	9/27/2024	IP 71130.09	001656	Security Plan Changes
1	10/21/2024	10/25/2024	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance
Eplan and EAL Changes Review					1
1	11/1/2024	12/31/2024	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes
Security Baseline Inspection					3
1	4/14/2025	4/18/2025	IP 71130.02	000734	Access Control
1	4/14/2025	4/18/2025	IP 71130.05	000737	Protective Strategy Evaluation
Inservice Inspection Unit 1					1
1	4/21/2025	5/2/2025	IP 71111.08G	000701	Inservice Inspection Activities (BWR)
Radiation Protection Baseline Inspection					1
1	4/21/2025	4/25/2025	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls
1	4/21/2025	4/25/2025	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation
1	4/21/2025	4/25/2025	IP 71151	000746	Performance Indicator Verification
Risk-Informed Categorization and Treatment of Structures, Systems, and Components					4
1	7/14/2025	8/1/2025	IP 37060	000521	10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems, and Components Inspection
Security Baseline Inspection					1
1	7/14/2025	7/18/2025	IP 71130.07	000739	Security Training
1	7/14/2025	7/18/2025	IP 71130.09	001656	Security Plan Changes
1	7/14/2025	7/18/2025	IP 71151	001338	Performance Indicator Verification
Radiation Protection Baseline Inspection					1
1	8/4/2025	8/8/2025	IP 71124.05	000729	Radiation Monitoring Instrumentation
1	8/4/2025	8/8/2025	IP 71124.07	000731	Radiological Environmental Monitoring Program
Emergency Preparedness Exercise Inspection / Performance Indicator Review					5
1	8/11/2025	8/15/2025	IP 71114.07	000722	Exercise Evaluation - Hostile Action (HA) Event
1	8/11/2025	8/15/2025	IP 71151	001397	Performance Indicator Verification
Comprehensive Engineering Team Inspection					7
1	8/25/2025	9/12/2025	IP 71111.21M	000713	Comprehensive Engineering Team Inspection
Monticello 2025 Licensed Operator Biennial Requalification Program Inspection					2
1	10/6/2025	10/10/2025	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance
Eplan and EAL Changes Review					1
1	11/1/2025	12/31/2025	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes