



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

March 2, 2022

Mr. Christopher Domingos
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 05000263/2021006)**

Dear Mr. Domingos:

The NRC has completed its end-of-cycle performance assessment of Monticello Nuclear Generating Plant, Unit 1, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2021, through December 31, 2021. 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 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, 2023. 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 twelve 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.

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 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.

The NRC plans to perform Inspection Procedure (IP) 37060, "Risk Informed Categorization and Treatment of Structures, Systems and Components Inspection" at your facility.

Inspection Procedure (IP) 71111.21N.03 is included in the inspection plan as a placeholder for your next Design Basis Assurance Inspection (Programs), which will be focused on Commercial Grade Dedication. The inspection procedure will be developed and made publicly available before these inspections begin.

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 630-829-9707 with any questions you have regarding this letter.

Sincerely,

/RA/

Hironori Peterson, Chief
Branch 3
Division of Reactor Projects

Docket Nos. 05000263 and 07200058
License No. DPR-22

Enclosure:
Inspection Plan

cc: Distribution via LISTSERV®

Letter to Christopher Domingos from Hironori Peterson dated March 2, 2022.

SUBJECT: ANNUAL ASSESSMENT LETTER FOR MONTICELLO NUCLEAR
GENERATING PLANT, UNIT 1 (REPORT 05000263/2021006)

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Site Inspection Activity Plan

07200058 - Monticello (ISFSI)

01/01/2022 - 12/31/2023

Unit	Start	End	Activity	CAC	Title	Staff Count
Physical Security ISFSI Inspection						1
	3/7/2022	3/11/2022	IP 81311	001006	Physical Security Requirements for Independent Spent Fuel Storage Installations	

Site Inspection Activity Plan

Monticello

01/01/2022 - 12/31/2023

Unit	Start	End	Activity	CAC	Title	Staff Count
Security Baseline Inspection						1
1	2/1/2022	5/6/2022	IP 81311	000831	Physical Security Requirements for Independent Spent Fuel Storage Installations	
1	2/7/2022	3/11/2022	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	2/23/2022	3/18/2022	IP 71130.01	000733	Access Authorization	
1	3/7/2022	3/11/2022	IP 71151	001338	Performance Indicator Verification	
1	4/18/2022	4/22/2022	IP 71130.02	000734	Access Control	
1	4/18/2022	4/22/2022	IP 71130.05	000737	Protective Strategy Evaluation	
Cyber Security Inspection						4
1	2/14/2022	2/18/2022	IP 71130.10	000741	Cybersecurity	
RP Baseline Inspection						1
1	4/18/2022	4/22/2022	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	4/18/2022	4/22/2022	IP 71124.04	000728	Occupational Dose Assessment	
Risk-Informed Categorization of SSCs						5
1	5/2/2022	5/20/2022	IP 37060	000521	10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems, and Components Inspection	
Security Baseline Inspection						1
1	6/6/2022	6/10/2022	IP 71130.05	000737	Protective Strategy Evaluation	
1	6/6/2022	6/10/2022	IP 71130.09	001656	Security Plan Changes	
Emergency Preparedness Baseline Inspection / Performance Indicator Verification						1
1	6/13/2022	6/17/2022	IP 71114.02	000717	Alert and Notification System Testing	
1	6/13/2022	6/17/2022	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	6/13/2022	6/17/2022	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	6/13/2022	6/17/2022	IP 71151	001397	Performance Indicator Verification	
RP Baseline Inspection						1
1	7/18/2022	7/22/2022	IP 71124.07	000731	Radiological Environmental Monitoring Program	
Triennial Heat Sink						2
1	8/22/2022	8/26/2022	IP 71111.07SIX	000700	Heat Exchanger/Sink Performance	
1	8/22/2022	8/26/2022	IP 71111.07T	000700	Heat Exchanger/Sink Performance	
Monticello October 2022 Initial License Exam						4
1	9/11/2022	9/17/2022	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	10/16/2022	10/22/2022	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
1	10/23/2022	10/29/2022	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
Biennial Problem Identification and Resolution Inspection						4

Site Inspection Activity Plan

1	9/26/2022	10/14/2022	IP 71152B	000747	Problem Identification and Resolution	
RP Baseline Inspection						1
1	10/17/2022	10/21/2022	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
Evaluations of Changes, Test, and Experiments Inspection						3
1	11/14/2022	11/18/2022	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
Security Baseline Inspection						1
1	2/27/2023	3/3/2023	IP 71130.08	000740	Fitness For Duty Program	
1	2/27/2023	3/3/2023	IP 71130.14	000743	Review of Power Reactor Target Sets	
1	2/27/2023	3/3/2023	IP 71151	001338	Performance Indicator Verification	
1	3/20/2023	3/24/2023	IP 71130.02	000734	Access Control	
Inservice Inspection						1
1	3/6/2023	3/24/2023	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
Radiation Protection Baseline Inspection						1
1	3/6/2023	3/10/2023	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	3/6/2023	3/10/2023	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
Radiation Protection Baseline Inspection						1
1	6/5/2023	6/9/2023	IP 71124.05	000729	Radiation Monitoring Instrumentation	
Emergency Preparedness Exercise / Performance Indicator Verification						4
1	6/26/2023	6/30/2023	IP 71114.01	000716	Exercise Evaluation	
1	6/26/2023	6/30/2023	IP 71151	001397	Performance Indicator Verification	
Triennial Fire Protection Inspection						3
1	8/14/2023	9/1/2023	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
Design Basis Assurance Inspection (Programs)						3
1	9/11/2023	9/29/2023	IP 71111.21N.03		Design Bases Assurance Inspections (Programs) 2023 (Commercial Grade Dedication)	
Monticello 2023 Biennial Licensed Operator Requalification Program Inspection						2
1	10/2/2023	10/8/2023	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
Security Baseline Inspection						1
1	10/16/2023	10/20/2023	IP 71130.07	000739	Security Training	
1	10/16/2023	10/20/2023	IP 71130.09	001656	Security Plan Changes	