



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 2, 2018

Mr. Christopher R. Church
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 (REPORT 05000263/2017006)**

Dear Mr. Church:

The NRC has completed its end-of-cycle performance assessment of the Monticello Nuclear Generating Plant, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2017 through December 31, 2017. 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 NRC determined the performance at the Monticello Nuclear Generating Plant 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. During this assessment year, the plant was in Column 2 due to a White finding in the Mitigating Systems Cornerstone. As stated in Inspection Report 05000263/2017010, the plant returned to Column 1 on July 1, 2017, after a successful supplemental inspection.

The enclosed inspection plan lists the inspections scheduled through December 31, 2019. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. 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.

This letter and its enclosure will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

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

Sincerely,

/RA/

Patrick L. Loudon, Director
Division of Reactor Projects

Docket No. 50-263
License No. DPR-22

Enclosure:
Inspection Plan

cc: Distribution via LISTSERV®

Letter to Christopher Church from Patrick Loudon dated March 2, 2018

SUBJECT: ANNUAL ASSESSMENT LETTER FOR MONTICELLO NUCLEAR GENERATING PLANT (REPORT 05000263/2017006)

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IP 22 Inspection Activity Plan Report

Monticello

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
SECURITY BASELINE INSPECTION						1
1	02/26/2018	03/02/2018	IP 71130.01	000733	Access Authorization	
1	02/26/2018	03/02/2018	IP 71130.02	000734	Access Control	
FLEX/MITIGATING STRATEGIES/SFP						4
1	03/05/2018	03/09/2018	TI 2515/191	000509	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
FORCE-ON-FORCE PLANNING & EXERCISE WEEK						7
1	04/16/2018	04/20/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	05/07/2018	05/11/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
RADIATION PROTECTION BASELINE INSPECTION						1
1	06/04/2018	06/08/2018	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
DBA TEAM INSPECTION						6
1	08/06/2018	08/24/2018	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
ISFSI Cask Loading Inspection						2
1	09/10/2018	09/14/2018	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
EP BASELINE INSPECTION / PI VERIFICATION						1
1	09/10/2018	09/14/2018	IP 71114.02	000717	Alert and Notification System Testing	
1	09/10/2018	09/14/2018	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	09/10/2018	09/14/2018	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	09/10/2018	09/14/2018	IP 71151	001397	Performance Indicator Verification	
INITIAL LICENSE EXAM OCT 2018						5
1	09/16/2018	10/13/2018	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	10/14/2018	11/24/2018	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
BIENNIAL PI&R INSPECTION						4
1	09/17/2018	10/05/2018	IP 71152B	000747	Problem Identification and Resolution	
SECURITY BASELINE INSPECTION						1
1	09/24/2018	09/28/2018	IP 71130.02	000734	Access Control	

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

IP 22 Inspection Activity Plan Report

Monticello

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
SECURITY BASELINE INSPECTION						1
1	09/24/2018	09/28/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	09/24/2018	09/28/2018	IP 71151	001338	Performance Indicator Verification	
Inservice Inspection						1
1	04/13/2019	05/13/2019	IP 71111.08G	000701	Inservice Inspection Activities - BWR	
RADIATION PROTECTION BASELINE INSPECTION						1
1	04/22/2019	04/26/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	04/22/2019	04/26/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	04/22/2019	04/26/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	04/22/2019	04/26/2019	IP 71124.04	000729	Occupational Dose Assessment	
SECURITY BASELINE INSPECTION						1
1	04/22/2019	04/26/2019	IP 71130.02	000734	Access Control	
1	04/22/2019	04/26/2019	IP 71130.06	000738	Protection of Safeguards Information	
TRIENNIAL HEAT SINK INSPECTION						2
1	05/13/2019	05/17/2019	IP 71111.07T	000700	Heat Sink Performance -Triennial	
Triennial 50.59 Inspection						3
1	06/03/2019	06/07/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
RADIATION PROTECTION BASELINE INSPECTION						2
1	07/22/2019	07/26/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	07/22/2019	07/26/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
EP EXERCISE INSPECTION / PI VERIFICATION						2
1	09/09/2019	09/13/2019	IP 71114.01	000716	Exercise Evaluation	
1	09/09/2019	09/13/2019	IP 71114.06	000721	Drill Evaluation	
1	09/09/2019	09/13/2019	IP 71151	001397	Performance Indicator Verification	
RADIATION PROTECTION BASELINE INSPECTION						1
1	09/09/2019	09/13/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	09/09/2019	09/13/2019	IP 71151	000746	Performance Indicator Verification	

IP 22 Inspection Activity Plan Report

Monticello

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
SECURITY BASELINE INSPECTION						1
1	10/07/2019	10/11/2019	IP 71130.07	000739	Security Training	
1	10/07/2019	10/11/2019	IP 71151	001338	Performance Indicator Verification	
BIENNIAL REQUAL PROGRAM INSPECTION						2
1	10/14/2019	10/18/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial	
RADIATION PROTECTION BASELINE INSPECTION						1
1	10/21/2019	10/25/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	