



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

September 1, 2021

Mr. Thomas Conboy
Site Vice President
Monticello Nuclear Generating Plant
Northern States Power Company, Minnesota
2807 West County Road 75
Monticello, MN 55362-9637

SUBJECT: MONTICELLO NUCLEAR GENERATING PLANT – EMERGENCY
PREPAREDNESS BIENNIAL EXERCISE INSPECTION REPORT
05000263/2021501

Dear Mr. Conboy:

On August 12, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Monticello Nuclear Generating Plant and discussed the results of this inspection with you and other members of your staff. The results of this inspection are documented in the enclosed report.

No findings or violations of more than minor significance were identified during this inspection.

This letter, its enclosure, and your response (if any) 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 Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

A handwritten signature in cursive script that reads "Patricia J. Pelke".

Signed by Pelke, Patricia
on 09/01/21

Patricia J. Pelke, Chief
Operations Branch
Division of Reactor Safety

Docket No. 05000263
License No. DPR-22

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Thomas Conboy from Patricia J. Pelke dated September 1, 2021.

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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Number: 05000263

License Number: DPR-22

Report Number: 05000263/2021501

Enterprise Identifier: I-2021-501-0017

Licensee: Northern States Power Company, Minnesota

Facility: Monticello Nuclear Generating Plant

Location: Monticello, MN

Inspection Dates: August 09, 2021 to August 12, 2021

Inspectors: M. Garza, Emergency Preparedness Inspector
G. Hansen, Senior Emergency Preparedness Inspector
S. Hedger, Emergency Preparedness Inspector
P. Zurawski, Senior Resident Inspector

Approved By: Patricia J. Pelke, Chief
Operations Branch
Division of Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an emergency preparedness biennial exercise inspection at Monticello Nuclear Generating Plant, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information.

List of Findings and Violations

No findings or violations of more than minor significance were identified.

Additional Tracking Items

None.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards. Starting on March 20, 2020, in response to the National Emergency declared by the President of the United States on the public health risks of the coronavirus (COVID-19), inspectors were directed to begin telework. In addition, regional baseline inspections were evaluated to determine if all or a portion of the objectives and requirements stated in the IP could be performed remotely. If the inspections could be performed remotely, they were conducted per the applicable IP. In some cases, portions of an IP were completed remotely and on site. The inspections documented below met the objectives and requirements for completion of the IP.

REACTOR SAFETY

71114.01 - Exercise Evaluation

Inspection Review (IP Section 02.01-02.11) (1 Sample)

- (1) The inspectors evaluated the Biennial Emergency Plan Exercise on August 10, 2021. The exercise scenario simulated an event at the Monticello Nuclear Generating Plant that initiated with the declaration and notification of a Notice of Unusual Event due to the unplanned loss of Control Room indications for 15 minutes or longer, specifically the loss of all torus level input to control room indicators and plant process computer system (PPCS). The scenario conditions simulated the escalation of the significance of the event, requiring the declaration and notification of an Alert and a Site Area Emergency. The Site Area Emergency was the highest classification level reached, as planned, during the exercise.

71114.08 - Exercise Evaluation Scenario Review

Inspection Review (IP Section 02.01 - 02.04) (1 Sample)

- (1) The inspectors reviewed and evaluated the proposed scenario for biennial emergency plan exercise on July 7, 2021.

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

EP01: Drill/Exercise Performance (DEP) Sample (IP Section 02.12) (1 Sample)

(1) April 01, 2020 through June 30, 2021

EP02: Emergency Response Organization (ERO) Drill Participation (IP Section 02.13) (1 Sample)

(1) April 01, 2020 through June 30, 2021

EP03: Alert And Notification System (ANS) Reliability Sample (IP Section 02.14) (1 Sample)

(1) April 01, 2020 through June 30, 2021

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

- On August 12, 2021, the inspectors presented the emergency preparedness biennial exercise inspection results to Thomas Conboy and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71114.01	Corrective Action Documents	501000030432	EP Drill - Conflicting Procedural Guidance	08/06/2019
		501000031629	EP-Drill - CR/TSC Communication Improvement	09/10/2019
		501000031654	EP Exercise - Initial Communication with Shift Manager	09/10/2019
		501000031678	EP Drill - Unclear Definition of Intact	09/10/2019
		501000031682	EP Drill Team Work with the State EOC	09/10/2019
		501000031692	EP Drill - Offsite Communication Procedures	09/10/2019
		501000031700	EP Drill - OSC Briefing Effectiveness	09/10/2019
		501000031710	EP Drill - Rad Protection Surveys	09/10/2019
		501000038380	Emergency Notification Form Auto Population	03/03/2020
		501000039354	EP Notification Form Error 3-23-20	04/02/2020
		501000041918	EP Drill- Notification Completion Time	06/30/2020
		501000045279	NUE Follow-up Actions	10/08/2020
		501000046482	EP Table-Top Drill - Escalation Criteria	11/17/2020
		501000053359	Seals Missing from OSC EP Cabinet	06/24/2021
		501000053609	EP Drill - Procedure May Not Be Adequate	06/29/2021
	Miscellaneous		Monticello Nuclear Generating Plant Emergency Plan	55
	Procedures	A.2-101	Classification of Emergencies	54
		A.2-106	Activation and Operation of the TSC	43
		A.2-107	Activation and Operation of the OSC	41
		A.2-109	Activation and Operations of the Back-up OSC	13
		A.2-201	On-Site Protective Action	21
		A.2-205	Personnel Accountability	18
		A.2-206	Work Control During Emergencies	13
		A.2-213	Responsibilities of the Emergency Director	31
		A.2-401	Emergency Exposure Control	11
		A.2-402	On-Site Radiological Monitoring	10
		A.2-501	Communications during an Emergency	28
A.2-504		Emergency Communicator Duties in the TSC and OSC	25	
A.2-801	Responsibilities of the Emergency Manager	26		
A.2-802	Activation and Operation of EOF	25		
71114.08	Miscellaneous		Monticello Nuclear Generating Plant Emergency Plan Exercise	06/09/2021

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			Scenario	
71151	Miscellaneous		Emergency Response Organization (ERO) Drill Participation Performance Indicator Records	04/01/2020-06/30/2021
			Drill and Exercise Participation (DEP) Performance Indicator Records	04/01/2020-06/30/2021
			Alert Notification System (ANS) Reliability Performance Indicator Records	04/01/2020-06/30/2021