



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 28, 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: MONTICELLO NUCLEAR GENERATING PLANT-CYBER SECURITY
INSPECTION REPORT 05000263/2022401

Dear Mr. Domingos:

On February 22, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Monticello Nuclear Generating Plant and discussed the results of this inspection with Mr. K. Nyberg, Director of Site Performance and Support 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 "Richard A. Skokowski".

Signed by Skokowski, Richard
on 03/28/22

Richard A. Skokowski, Chief
Engineering Branch 3
Division of Reactor Safety

Docket No. 05000263
License No. DPR-22

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Christopher Domingos from Richard A. Skokowski dated March 28, 2022.

SUBJECT: MONTICELLO NUCLEAR GENERATING PLANT–CYBER SECURITY
INSPECTION REPORT 05000263/2022401

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

Docket Number: 05000263

License Number: DPR-22

Report Number: 05000263/2022401

Enterprise Identifier: I-2022-401-0023

Licensee: Northern States Power Company, Minnesota

Facility: Monticello Nuclear Generating Plant

Location: Monticello, MN

Inspection Dates: February 14, 2022 to February 18, 2022

Inspectors: A. Dahbur, Senior Reactor Inspector
J. Gilliam, Senior Reactor Inspector
A. Prada, Cyber Security Analyst (Contractor)
C. Priester, Cyber Security Analyst (Contractor)

Approved By: Richard A. Skokowski, Chief
Engineering Branch 3
Division of Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a cyber security 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) 2201, "Security Inspection Program for Commercial Nuclear Power Reactors." 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.

SAFEGUARDS

71130.10 - Cybersecurity

The inspectors reviewed implementation of Monticello Generating Plant's Cyber Security Plan (CSP) and focused on evaluating changes to the program, critical systems, and Critical Digital Assets (CDAs).

Cybersecurity (1 Sample)

- (1) The following IP sections were completed and constitute completion of 1 sample:
 - 03.01, "Review Ongoing Monitoring and Assessment Activities"
 - 03.02, "Verify Defense-in-Depth Protective Strategies"
 - 03.03, "Review of Configuration Management Change Control"
 - 03.04, "Review of Cyber Security Program"
 - 03.05, "Evaluation of Corrective Actions"

In addition to the systems and programs that have been added or modified since the last cyber security inspection, the following systems were selected for inspection.

Unit 1

- CMP- Computer, Important-to-Safety
- HPC- High Pressure Coolant Injection, Safety-Related
- SIN- Security Instrumentation, Security
- SEL- Security Facility Electrical, Security

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On February 22, 2022, the inspectors presented the cyber security inspection results to Mr. K. Nyberg, Director of Site Performance and Support and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.10	Corrective Action Documents	01000060470	Acronis Backups on the Security Computer System	02/10/2022
		501000003112	Cyber Kiosk Defense-in-Depth	09/27/2017
		501000003132	CDA Media Sanitization	09/08/2017
		501000015940	Wrong Level CDA Media	09/20/2018
		501000030162	Media Cabinet Unlocked	07/29/2019
		501000030182	Feeder Motor Protection Relay Missing	07/30/2019
		501000041636	CSAT Evaluation of X-Ray	06/17/2020
		501000058604	Unauthorized USB Media Used on CDA	11/23/2021
		501000058844	FSA Cyber21-Review SecCompRm Door Access	12/06/2021
		501000058971	Corrective Action: Cyber Security Vulnerabilities 2021-11	12/10/2021
		501000058971	Condition Evaluation - November 2021 Vulnerabilities	01/06/2022
		501000059900	Condition Evaluation - December 2021 Vulnerabilities	01/26/2022
		501000060137	Spare HGU Order Cancelled	01/27/2022
		Corrective Action Documents Resulting from Inspection	501000060470	22Cyber - Security Computer Backups
	501000060567		22Cyber - MM WO Lacking Parts Info	02/15/2022
	501000060600		22Cyber - Acronis Backup Version on SCS	02/15/2022
	501000060601		22Cyber - CP-FWL-07 CDA Assessment	02/15/2022
	501000060668		22Cyber - CP-FWL-07 Control D4.3	02/17/2022
	501000060669		22Cyber - CAS Printer Control D5.1	02/17/2022
	Drawings	M-124 NH-36250	High Pressure Coolant Injection System	87
		NX-8292-12-6	Shutdown HPCI System	79
	Miscellaneous	1400858	AT-0175 Action Request Record Report - CYB SEC PLAN D4.3 PASSWORD REQUIRMENTS	10/09/2016
		1401049	AT-0175 Action Request Record Report - CYB SEC PLAN D4.7 AUTHENTICATOR MGMT	11/23/2016
		CASF DEV FEL-MISC	Compliance Assessment Summary Form - Generator Electrical	1
		CASF DEV SEL-HGU	Compliance Assessment Summary Form - Hand Geometry Units	0
		CASF DEV SIN-APU-20180406	Compliance Assessment Summary Form - Alarm Processing Units	0

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		CASF DEV SIN-CAMERA-20210618	Compliance Assessment Summary Form - CCTV Cameras	3
		CASF DEV SIN-CRDR-20150527	Compliance Assessment Summary Form - Proximity Card Readers	0
		CASF DEV SIN-IMUX-20210326	Compliance Assessment Summary Form - Security Multiplexer	3
		CASF DEV SIN-KVM-20170911	Compliance Assessment Summary Form - Keyboard Video Mouse Switch	0
		CASF DEV SIN-NS-20181112	Compliance Assessment Summary Form - Security Network Switches	2
		CASF DEV SIN-PC-20210504	Compliance Assessment Summary Form - Security Workstations	2
		CASF DEV SIN-SVR-20181112	Compliance Assessment Summary Form - Security Computer System Servers	2
		CASF DEV SIN-VIDEO-20190111	Compliance Assessment Summary Form - CCTV Video Equipment	1
		CASF DEV-SIN-CYBER-20150916	Compliance Assessment Summary Form - Intrusion Prevention / SIEM / NAS	0
		Cyber Security Test Description FAT SCS-CSTDF-202734 Addendum	Letter from Rockwell Collins	11/27/2017
		Cyber Security Test Description FAT SCS-CSTDF-202734.01	AIM Security Computer Cyber Security Test Description (FAT)	July 2014
		CYBER-PLN	Xcel Energy, INC. Cyber Security Plan	0
		PBD-KIOSK	Cyber Security Program Basis Document	2
		SCS-CSTDF 202734.01	Security Computer System Hardening	07/01/2014

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		SCS-VDD-203217.08	Rockwell Collins Version Description Document	8
		Switch Config	Switch Configurations of NS1 & NS2	02/15/2022
	Procedures	C.5-3302	Alternate Pressure Control	25
		FG-IT-CSP-06-02	IT Cyber Administrative Maintenance Guide for Kiosk	3
		FP-IT-CSP-05	Cyber Security Audit and Logging Procedure	2
		FP-IT-CSP-06	Cyber Security Malicious Code Protection Procedure	7
		FP-IT-CSP-07	Cyber Security Portable Computing Device Procedure	6
		FP-IT-CSP-11	Cyber Security Incident and Response Procedure	5
		FP-IT-CSP-16	Cyber Security Program Training Procedure	5
		FP-IT-CSP-21	Cyber Security CDA Media Protection Procedure	6
		FP-IT-CSP-22	Cyber Security Vulnerability Assessment Procedure	0
		FP-IT-CSP-24	Cyber Security Ongoing Monitoring Procedure	0
		FP-IT-CSP-25	Cyber Security CDA Management Procedure	5
		FP-IT-CSP-31	Cyber Security Incident Response Exercise / Drill Procedure	1
		FP-IT-CSP-65	Cyber Security CDA Access Control Procedure	1
		FP-IT-SQA-01	Software Quality Assurance (SQA) Program	20
		FP-IT-SQA-05	Computer Work Order	16
		FP-IT-SQA-10	The Software Testing Phase	11
		FP-SC-GEN-08	Supply Chain Requests	21
	FP-SC-WHS-07	Material Control	1	
	Work Orders	CWO-61100000786	Computer Work Order - Implement SCS Final Configuration	03/27/2018
		CWO-611000001953	Computer Work Order	16
		CWO-611000002133	Computer Work Order	16
CWO-611000003181		Computer Work Order - SCS VMWare Upgrade	02/25/2021	
CWO-611000003610		Monthly OCA Camera Cyber Maintenance	09/29/2021	
CWO-611000003618		Monthly OCA Camera Cyber Maintenance	11/24/2021	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		CWO-611000003716	Metadefender Core	12/21/2021
		CWO-611000003728	Metadefender Core	01/04/2022
		CWO-SCS 611000001974 Service Pack 5 _SP5_ Implementation	Computer Work Order - Service Pack 5 (SP5) Implementation	07/01/2019
		WM-WO-0156	Noble Gas Monitor Work Order	04/23/2020
		WO-00494225 Task 07	EC22668 Security Card Reader / IMUX Replacement	09/03/2014