



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200
ATLANTA, GEORGIA 30303-1200

July 30, 2021

Mr. Kelvin Kinard
Security Manager
Duke Energy Carolinas, LLC
12700 Hagers Ferry Road
Mail Code MGO1SC
Huntersville, NC 28078-8985

SUBJECT: MCGUIRE NUCLEAR STATION – SECURITY BASELINE INSPECTION
REPORT 05000369/2021401 AND 05000370/2021401

Dear Mr. Kinard:

On July 15, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at McGuire Nuclear Station 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,

/RA/

Jannette G. Worosilo, Chief
Plant Support Branch
Div of Reactor Safety

Docket Nos. 05000369 and 05000370
License Nos. NPF-17 and NPF-9

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

SUBJECT: MCGUIRE NUCLEAR STATION – SECURITY BASELINE INSPECTION
 REPORT 05000369/2021401 AND 05000370/2021401 – DATED July 30, 2021

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

Docket Numbers: 05000369 and 05000370

License Numbers: NPF-9 and NPF-17

Report Numbers: 05000369/2021401 and 05000370/2021401

Enterprise Identifier: I-2021-401-0036

Licensee: Duke Energy Carolinas, LLC

Facility: McGuire Nuclear Station

Location: Huntersville, NC

Inspection Dates: March 22 – 25, 2021
July 12 - 16, 2021

Inspectors: J. Brown, Physical Security Inspector
I. Hall, Physical Security Inspector
J. Justice, Security Specialist
R. Patterson, Physical Security Inspector

Approved By: Jannette G. Worosilo, Chief
Plant Support Branch
Div of Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a security baseline inspection at McGuire Nuclear Station, 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

Unless otherwise noted, baseline security inspections were conducted in accordance with the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter 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. Publicly available IPs are located at: <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>.

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 teleworking. 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.

SAFEGUARDS

71130.02 - Access Control

The inspectors evaluated the access control program through completion of the following inspection elements:

Access Control (1 Sample)

- (1)
 - Tier I: All Requirements
 - Tier II: 02.06 a - d, 02.07 a, 02.08 a, b, e
 - Tier III: 02.09

71130.05 - Protective Strategy Evaluation

The inspectors evaluated the licensee's protective strategy through completion of the following procedure elements:

Protective Strategy Evaluation (2 Samples)

- (1)
 - Tier I: All Requirements
 - Tier II: 02.05 a, 02.06 a, d, f, g, h, i, j, m, n, 02.07 a, b, c, and e
 - Tier III: 02.08, 02.09 a, b and 02.11 a
- (2)
 - Annual Exercise Observation

71130.09 - Security Plan Changes

The inspectors evaluated the security plan changes through completion of the following procedure elements:

Review Security Plan Changes (IP Section 02.01) (1 Sample)

- (1) Since the last NRC inspection of this program area, Security Plan Revision (29) was implemented based on your determination, in accordance with 10 CFR 50.54(p)(2), that the changes resulted in no decrease in safeguards effectiveness of the security plan, and that the revised security plan changed continues to meet the requirements of 10 CFR 73.55(b). The inspectors conducted a review of the security plan changes to evaluate for potential decrease in safeguards effectiveness of the security plan. However, this review does not constitute formal NRC approval of the changes. Therefore, these changes remain subject to future NRC inspection in their entirety.

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

PP01: Protected Area Security Equipment Performance Index Sample (IP Section 02.17) (1 Sample)

- (1) Unit 1 (January 1, 2020 through June 1, 2021)
Unit 2 (January 1, 2020 through June 1, 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 July 15, 2021, the inspectors presented the security baseline inspection results to Kelvin Kinard and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.02	Corrective Action Documents	02317104		
		02360189		
	Corrective Action Documents Resulting from Inspection	02375548		
	Procedures	AD-SY-ALL-0215	Security Search and Entry Processing	Revision 6
		AD-SY-ALL-0240	Security Key and Lock Controls	Revision 1
		AD-SY-ALL-210	Site Access Controls	Revision 6
71130.05	Corrective Action Documents	19-02272340		
		19-02274317		
		19-02274318		
		20-2356381		
		20-2356977		
		20-2356980		
		20-2357168		
		20-2357401		
		20-2357636		
		20-2357737		
	20-2358410			
	Engineering Evaluations		MNS-SFP- Breach Evaluation	January 15, 2019
			McGuire Security Calculation Review and Petal Diagram	May 1, 2020
	Miscellaneous		2021 MNS Controller Refresher Training	0
		TR-SY-MNS-1302	MNS Formal Target Sets	2
	Procedures		McGuire Physical Security Plan	29
		AD-SY-ALL-0120	Safety/Security Interface Processes	1
		AD-SY-ALL-0560	Security Drill and Exercise Program	7
		AD-SY-MNS-0201	Security Operations	0

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		LP-SY-ADV-0500	Adversary Coach/Controller	3
		LP-SY-ADV-0501	Adversary Advanced Marksmanship	0
		LP-SY-ADV-0502	Conducting the Adversary Vulnerability Assessments	1
		LP-SY-ADV-0503	Assessing and Reducing Delay Barriers	1
		LP-SY-ADV-0504	Basic Adversary Close Quarters Battle	0
		LP-SY-ADV-0505	Basic Adversary Training Introduction to Adversary Operations	0
		LP-SY-ADV-0506	Adversary Fire and Maneuver Techniques	2
		LP-SY-MNS-0508	Security Patrols	4
	Self-Assessments		2021 MNS Security Baseline Inspection 05 Inspection Self-Assessment	January 30, 2021
		2020-MNS-NGO-SEC-01	Security Audit	November 19, 2020
71130.09	Procedures	AD-SY-ALL-0101	Security Plan Revision Process	Revision 2
71151	Procedures	SP/E/1202-M	NAR/FAR Data	Revision 0