



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

March 24, 2022

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 05000369/2022402 AND 05000370/2022402**

Dear Mr. Kinard:

On March 10, 2022, 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,

A handwritten signature in cursive script that reads "Jannette Worosilo".

Signed by Worosilo, Jannette  
on 03/24/22

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

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

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV®

K. Kinard

cc:

Arthur (Art) Zaremba  
Nuclear Fleet Licensing Manager  
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Charlotte, NC 28202

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General Manager – Nuclear Protective Services  
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K. Kinard

SUBJECT: MCGUIRE NUCLEAR STATION – SECURITY BASELINE INSPECTION  
REPORT 05000369/2022402 AND 05000370/2022402

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| Office                                           | RII/DRS/PSB | RII/DRS/PSB                                                                             | RII/DRS/PSB |                                                                                                           |  |
| Name                                             | J. Brown    | A. Richardson                                                                           | J. Worosilo |                                                                                                           |  |
| Date                                             | 03/16/2022  | 03/15/2022                                                                              | 03/16/2022  |                                                                                                           |  |

OFFICIAL RECORD COPY

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

Docket Numbers: 05000369 and 05000370

License Numbers: NPF-9 and NPF-17

Report Numbers: 05000369/2022402 and 05000370/2022402

Enterprise Identifier: I-2022-402-0021

Licensee: Duke Energy Carolinas, LLC

Facility: McGuire Nuclear Station

Location: Huntersville, NC

Inspection Dates: January 10, 2022 to January 14, 2022 (Corporate)  
March 07, 2022 to March 10, 2022 (On Site)

Inspectors: J. Brown, Senior Physical Security Inspector  
A. Richardson, Physical Security Inspector

Approved By: Jannette G. Worosilo, Chief  
Plant Support Branch  
Division 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**

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**

### 71130.01 - Access Authorization

The inspectors evaluated the access authorization program. The following elements were evaluated:

#### Access Authorization (1 Sample)

- (1) Tier I: All Requirements  
Tier II: (02.05 a, b, 02.07 a, b, 02.08 a, c)  
Tier III: (02.09, 02.10 a-c)

### 71130.08 - Fitness For Duty Program

The inspectors evaluated the fitness for duty program by completing the following inspection elements:

#### Fitness For Duty Program (1 Sample)

- (1) Tier I: All Requirements  
Tier II: (02.05 a-h, 02.06 a-g, 02.07 a-e, 02.08 a, b, 02.09 a-e)  
Tier III: (02.10, 02.11 a, 02.12 a, 02.14 a-c)

## **INSPECTION RESULTS**

No findings were identified.

## **EXIT MEETINGS AND DEBRIEFS**

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

- On March 10, 2022, 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 |
|----------------------|-----------------------------|----------------------|---------------------------------------------------------|------------------|
| 71130.01             | Corrective Action Documents | 02399179             | Legal Action Reporting                                  |                  |
| 71130.01             | Corrective Action Documents | 02401769             | Legal Action Reporting                                  |                  |
| 71130.01             | Corrective Action Documents | 02403448             | Legal Action Reporting                                  |                  |
| 71130.01             | Miscellaneous               |                      | Various Types of Access Authorization Records           |                  |
| 71130.01             | Miscellaneous               |                      | 2021 MRO/SAE Audit                                      | 10/27/2021       |
| 71130.01             | Miscellaneous               | 2020-Fleet-PAA-PR-01 | Nuclear Oversight - Performance Review                  | 01/30/2020       |
| 71130.01             | Miscellaneous               | 2021-Fleet-PAA-PR-01 | Nuclear Oversight - Performance Review                  | 06/17/2021       |
| 71130.01             | Procedures                  | AD-SY-ALL-0301       | Nuclear Worker Unescorted Access Authorization Program  | Revision 7       |
| 71130.01             | Procedures                  | AD-SY-ALL-0310       | Access Authorization Program                            | Revision 7       |
| 71130.01             | Procedures                  | AD-SY-ALL-0320       | Personnel Access Data System                            | Revision 3       |
| 71130.01             | Procedures                  | AD-SY-ALL-0340       | Access Authorization Training and Qualification Program | Revision 2       |
| 71130.01             | Procedures                  | AD-SY-ALL-0350       | Reviewing Official's Guidance for Access Authorization  | Revision 2       |
| 71130.01             | Procedures                  | AD-SY-ALL-0370       | Access Processing of Foreign Nationals                  | Revision 2       |
| 71130.01             | Self-Assessments            | 2020-Fleet-PAA-01    | Audit Report                                            | 07/09/2020       |
| 71130.08             | Corrective Action Documents | 02405833             | HHS Laboratory Reporting                                |                  |
| 71130.08             | Corrective Action Documents | 02408778             | Administrative Error                                    |                  |
| 71130.08             | Corrective Action Documents | 02408781             | HHS Laboratory Reporting                                |                  |
| 71130.08             | Procedures                  | AD-SY-ALL-0400       | Fitness for Duty Program                                | Revision 4       |
| 71130.08             | Procedures                  | AD-SY-ALL-0405       | Fitness for Duty Violations                             | Revision 3       |
| 71130.08             | Procedures                  | AD-SY-ALL-0410       | Fitness for Duty Collections                            | Revision 4       |
| 71130.08             | Procedures                  | AD-SY-ALL-0415       | Fitness for Duty Blind Performance Testing Procedure    | Revision 3       |
| 71130.08             | Procedures                  | AD-SY-ALL-0420       | Fitness for Duty Unscheduled Call Out                   | Revision 1       |
| 71130.08             | Procedures                  | AD-SY-ALL-0440       | Fitness for Duty Training & Qualification               | Revision 2       |

| Inspection Procedure | Type       | Designation    | Description or Title                                   | Revision or Date |
|----------------------|------------|----------------|--------------------------------------------------------|------------------|
| 71130.08             | Procedures | AD-SY-ALL-0451 | Behavior Observation Program                           | Revision 4       |
| 71130.08             | Procedures | AD-SY-ALL-0460 | Managing Fatigue and Work Hour Limits                  | Revision 5       |
| 71130.08             | Procedures | PY-SY-ALL-0004 | Duke Energy Nuclear Generation Fitness for Duty Policy | Revision 2       |