



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

November 19, 2020

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

SUBJECT: WILLIAM B. MCGUIRE NUCLEAR STATION, UNITS 1 AND 2 – SECURITY
BASELINE INSPECTION REPORT 05000369/2020402 AND 05000370/2020402

Dear Mr. Kinard:

On October 29, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at William B. McGuire Nuclear Station, Units 1 and 2. On October 29, 2020, the NRC inspectors 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/

James C. Shehee, 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®

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 BASELINE INSPECTION REPORT 05000369/2020402 AND 05000370/2020402
 Dated November 19, 2020

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NAME	J. Brown	J. Shehee			
DATE	11/ 16 /2020	11/ 19 /2020			

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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: 05000369/2020402 and 05000370/2020402

Enterprise Identifier: I-2020-402-0011

Licensee: Duke Energy Carolinas, LLC

Facility: William B. McGuire Nuclear Station, Units 1 and 2

Location: Huntersville, NC

Inspection Dates: Remote May 18 – 22, 2020
Remote July 13 – 17, 2020
On-Site October 26 – 29, 2020

Inspectors: J. Brown, Physical Security Inspector

Approved By: James C. Shehee, 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 William B. McGuire Nuclear Station, Units 1 and 2, 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>.

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), regional inspectors were directed to begin teleworking. The inspection documented below was completed through a combination of remote and onsite inspection.

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: None
 - Tier III: 1 Requirement (02.09)

71130.04 - Equipment Performance, Testing, and Maintenance

Equipment Performance, Testing, and Maintenance (1 Sample)

- (1)
 - Tier I: All requirements
 - Tier II: None
 - Tier III: 02.14

71130.07 - Security Training

Security Training (1 Sample)

- (1)
 - Tier I: All Requirements
 - Tier II: None
 - Tier III: 02.10

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(s) 27 and 28 were 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) (Sep 2019 through Sep 2020)

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On October 29, 2020, the inspectors presented the Exit Briefing inspection results to Tom Ray and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.02	Corrective Action Documents	02355175		
	Miscellaneous		Various Key, Lock and Core Control Records	
	Procedures	AD-SY-ALL-0210	Site Access Controls	Revision 6
		AD-SY-ALL-0215	Security Search and Entry Processing	Revision 5
71130.04	Corrective Action Documents	02287950		
		02293970		
		02355317		
	Miscellaneous		Various Intrusion Detection System Testing and Maintenance Records	
			Various Security Communications Testing and Maintenance Records	
			Various Security Uninterruptible Power Supply Testing and Maintenance Records	
			Various Search Equipment Testing and Maintenance Records	
	Procedures	AD-SY-ALL-0580	Weapons Maintenance, Testing and Accountability	Revision 6
		AD-SY-ALL-0630	Testing of Security Communication Equipment	Revision 2
		SP/T/1401-M	Vehicle Barrier System Test/Inspection	Revision 7
		SP/T/1402-M	Security Barrier Inspections & Alarm Testing	Revision 23
		SP/T/1403-M	IDS And Fixed Function CCTV Test	Revision 9
		SP/T/1404-M	Search Equipment Test/Inspection	Revision 24
71130.07	Corrective Action Documents	02355171		
	Miscellaneous		Various Security Officer Training Records and Documentation	
			Various Qualification Courses of Fire and Associated Approvals	
	Procedures	AD-SY-ALL-0520	Security Training	Revision 5
		AD-SY-ALL-0524	Security On-The-Job Performance and Task Evaluation	Revision 1
		AD-SY-ALL-0540	Security Range and Safety Control Revision	Revision 8

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		AD-SY-ALL-0560	Security Drill and Exercise Program	Revision 5
71130.09	Procedures	AD-SY-ALL-0101	Security Plan Revision Process	Revision 2
		Physical Security Plan (PSP)	PSP 28	09/28/2020
71151	Procedures	AD-SY-MNS-0201	Security Operations	Revision 0