



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

October 31, 2023

Nicole Flippin  
Site Vice President  
Duke Energy Carolinas, LLC  
Catawba Nuclear Station, Units 1 & 2  
4800 Concord Road  
York, SC 29745

SUBJECT: CATAWBA NUCLEAR STATION, UNITS 1 & 2 – SECURITY BASELINE  
INSPECTION REPORT 05000413/2023402 AND 05000414/2023402

Dear Nicole Flippin:

On October 19, 2023, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Catawba Nuclear Station, Units 1 and 2 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,

Signed by Worosilo, Jannette  
on 10/31/23

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

Docket Nos. 05000413 and 05000414  
License Nos. NPF-35 and NPF-52

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV

SUBJECT: CATAWBA NUCLEAR STATION, UNITS 1 & 2 – SECURITY BASELINE INSPECTION REPORT 05000413/2023402 AND 05000414/2023402 Date October 31, 2023

**DISTRIBUTION:**

SOSB Insp Rpt Distro  
E. Stamm, DRP  
D. Jackson, DRP  
D. Rivard, DRP  
J. Clark, NSIR  
R2EICS  
RIDSNNRRDIRS  
PUBLIC

ADAMS ACCESSION NUMBER: ML23302A002

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RII/DRS	RII/DRS	RII/DRS	RII/DRS	
NAME	J. Brown	J. Tornow	R. Womack	J. Worosilo	
DATE	10/30/2023	10/30/2023	10/31/2023	10/31/2023	

OFFICIAL RECORD COPY

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

Docket Numbers: 05000413 and 05000414

License Numbers: NPF-35 and NPF-52

Report Numbers: 05000413/2023402 and 05000414/2023402

Enterprise Identifier: I-2023-402-0013

Licensee: Duke Energy Carolinas, LLC

Facility: Catawba Nuclear Station

Location: York, SC

Inspection Dates: October 16, 2023, to October 19, 2023

Inspectors: J. Brown, Senior Physical Security Inspector  
J. Tornow, Physical Security Inspector  
R. Womack, 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 Catawba Nuclear Station, Units 1 & 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**

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**

### 71130.02 - 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: 8 Requirements 02.06 a - d, 02.07 a, 02.08 a, b, e  
Tier III: 1 Requirement 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: All Requirements  
Tier III: All Requirements
- (2) Observed a licensee-conducted Force-on-Force exercise.

### 71130.09 - Security Plan Changes

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

#### Security Plan Changes (1 Sample)

- (1) Since the last NRC inspection of this program area, Security Plan Revision 30 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) September 1, 2022, through September 1, 2023

## **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 19, 2023, the inspectors presented the security baseline inspection results to Nicole Flippin and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.02	Corrective Action Documents	AR 02446319		
		AR 02447150		
		AR 02452258		
		AR 02459013		
		AR 02460140		
		AR 02465643		
	Corrective Action Documents Resulting from Inspection	AR 02491205		
	Procedures	AD-SY-ALL-0215	Security Search and Entry Processing	Revision 12
		AD-SY-ALL-0240	Security Key and Lock Controls	Revision 3
AD-SY-ALL_0210		Site Access Controls	Revision 8	
71130.05	Corrective Action Documents	02454066	Security Turnstile Degraded	12/26/2022
		02456064	Security Door Degraded	01/12/2023
	Procedures	AD-HU-ALL-0003	Conduct of Pre-Job Brief and Post-Job Critiques	Revision 14
		AD-SY-ALL-0520	Security Training	Revision 7
		AD-SY-ALL-0560	Security Drill and Exercise Program	Revision 10
71130.09	Procedures	AD-SY-ALL-0101	Security Plan Revision Process	
71151	Procedures	AD-PI-ALL-0700	Performance Indicators	Revision 5