



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

November 3, 2021

Mr. Ernest Wylie
Director, Nuclear Plant Security
Duke Energy Carolinas, LLC
Catawba Nuclear Station
4800 Concord Rd.
York, SC 29745

SUBJECT: CATAWBA NUCLEAR STATION – SECURITY BASELINE INSPECTION REPORT
05000413/2021402 AND 05000414/2021402

Dear Mr. Wylie:

On October 7, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Catawba 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
Division of Reactor Safety

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

Enclosure:
As stated

cc w/ encl: See Page 2

cc:

Mark McNeely

GM, Nuclear Protective Services

Duke Energy Carolinas, LLC

526 South Church Street – EC5ZD

Charlotte, NC 28202-180

SUBJECT: CATAWBA NUCLEAR STATION – SECURITY BASELINE INSPECTION
REPORT 05000413/2021402 AND 05000414/2021402 Dated November 3, 2021

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OFFICE	DRS/RII/PSB	DRS/RII/PSB	DRS/RII/PSB	DRS/RII/PSB	
NAME	J. Tornow	J. Brown	A. Richardson	J. Worosilo	
DATE	11/03/2021	11/01/2021	11/01/2021	11/03/2021	

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

Docket Numbers: 05000413 and 05000414

License Numbers: NPF-35 and NPF-52

Report Numbers: 05000413/2021402 and 05000414/2021402

Enterprise Identifier: I-2021-402-0019

Licensee: Duke Energy Carolinas, LLC

Facility: Catawba Nuclear Station

Location: York, SC

Inspection Dates: October 04, 2021 to October 07, 2021

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

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 (1 Sample)

- (1)
 - Tier I: All Requirements
 - Tier II: 14 Requirements (02.05 a, 02.06 a, d, f, g, h, i, j, m, n, 02.07 a, b, c, and e)
 - Tier III: 4 Requirements (02.08, 02.09 a, b and 02.11 a)

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 change 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 (October 2020 through September 2021)
Unit 2 (October 2020 through September 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 October 7, 2021, the inspectors presented the security baseline inspection results to Ernest Wylie and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.02	Corrective Action Documents	02346904	Prohibited Item Identified During Search	
		02354920	Operational Test Failure – Search Equipment	
		02358000	Security search equipment out of service	
		02373021	Contraband Item Found During Search Process	
		02373080	Lost badge outside PA	
		02373678	Contraband Item Found During Search Process	
		02376987	Unsecured CAD Door	
		02379958	Security CAD Door Locked in Alarm	
		02379984	Explosive Detector Taken Out of Service	
		02380630	Uncontrolled Badge Inside PA	
		02386106	Explosive Detector Taken Out of Service	
	02391417	Explosive Detector Taken Out of Service		
	Procedures	AD-SY-ALL-0110	Protection of Information Related to Nuclear Security	Revision 7
		AD-SY-ALL-0210	Site Access Controls	Revision 6
AD-SY-ALL-0215		Security Search and Entry Processing	Revision 6	
AD-SY-ALL-0220		Security Communications Program	Revision 3	
AD-SY-ALL-0240		Security Key and Lock Controls	Revision 1	
AD-SY-CNS-0600		Testing and Inspection of CNS Security Equipment and Barriers	Revision 0	
71130.05	Corrective Action Documents	02396647	Security Annual Graded Exercise 9/3/2021	
	Miscellaneous	LP-SY-ALL-0559	Controller Evaluator Training	09/19/2021
		TG-SY-AV-0500	Composite Adversary Force Operations and Training Guide	Revision 03
	Procedures	AD-SY-ALL-0560	Security Drill and Exercise Program	Revision 8
71130.09	Procedures		CNS Physical Security Plan (PSP)	Revision 29
		AD-SY-ALL-0101	Security Plan Revision Process	Revision 2
71151	Corrective Action Documents	02347235	Update information for IRIS for NRC Perf. Indicators	