



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

March 27, 2020

Linwood Faulk, Director  
Nuclear Plant Security  
Shearon Harris Nuclear Power Plant  
5413 Shearon Harris Road  
New Hill, NC 27562-9300

SUBJECT: SHEARON HARRIS NUCLEAR PLANT – SECURITY BASELINE INSPECTION  
REPORT 05000400/2020402

Dear Mr. Faulk:

On February 27, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Shearon Harris Nuclear Plant and discussed the results of this inspection with Ms. Kim Maza 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  
Division of Reactor Safety

Docket No. 05000400  
License No. NPF-63

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV®

**U.S. NUCLEAR REGULATORY COMMISSION**

**REGION II**

**INSPECTION REPORT**

SUBJECT: SHEARON HARRIS NUCLEAR PLANT – SECURITY BASELINE INSPECTION  
REPORT 05000400/2020402 dated March 27, 2020

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**U.S. NUCLEAR REGULATORY COMMISSION**

**REGION II**

**INSPECTION REPORT**

Docket Number: 05000400

License Number: NPF-63

Report Number: 05000400/2020402

Enterprise Identifier: I-2020-402-0010

Licensee: Duke Energy

Facility: Shearon Harris Nuclear Plant

Location: New Hill, NC

Inspection Dates: February 24, 2020 to February 27, 2020

Inspectors: J. Brown, Physical Security Inspector  
R. Patterson, Physical Security Inspector  
J. Tornow, Physical Security Inspector

Approved By: James C. Shehee, Chief  
Plant Support Branch  
Division of Reactor Safety

## **SUMMARY**

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

### 71130.05 - Protective Strategy Evaluation

#### Protective Strategy Evaluation (2 Samples)

- (1)
  - Tier I: All Requirements
  
- (2)
  - Tier II: 14 Requirements 02.05(a), 02.06(a), (d), (f), (g), (h), (l), (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 (1 Sample)

The inspector evaluated the security plan changes through completion of the following procedure elements: Security Plan Revision(s) completed 12/21/19 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). We conducted a review of the security plan changes to evaluate for potential decreases 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.

## **INSPECTION RESULTS**

No findings were identified.

## **EXIT MEETINGS AND DEBRIEFS**

The inspectors confirmed that proprietary information was controlled to protect from public disclosure.

- On February 27, 2020, the inspectors presented the security baseline inspection results to Ms. Kim Maza and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.05	Corrective Action Documents	19-02258764	Condition Report	
		19-02261431	Condition Report	
		19-02291781	Condition Report	
	Procedures	AD-SY-ALL-0250	SECURITY EVENTS	REVISION 2
		AD-SY-ALL-0560	SECURITY DRILL AND EXERCISE PROGRAM	REVISION 6
	Self-Assessments	2259348	NOS Audit	
71130.09	Corrective Action Documents	19-02253819	Condition Report	
		19-02258999	Condition Report	
		19-02260053	Condition Report	
	Procedures	AD-SY-ALL-0101	Security Plan Revision Process,	REVISION 003
		AD-SY-ALL-0130	DEVELOPMENT AND MAINTENANCE OF TARGET SETS	REVISION 2
		AD-SY-ALL-620	Safety/Security Interface Program	REVISION 2
		AD-SY-HNP-0205	Early Warning Assessment System (EWAS) Additional Measures	REVISION 2