



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

July 26, 2023

Linwood Faulk  
Director, Nuclear Plant Security  
Duke Energy Progress, LLC  
5413 Shearon Harris Road  
Mail Code HNP01  
New Hill, NC 27562-9300

SUBJECT: SHEARON HARRIS NUCLEAR PLANT, UNIT 1 – SECURITY BASELINE  
INSPECTION REPORT 05000400/2023402

Dear Linwood Faulk:

On June 29, 2023, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Shearon Harris Nuclear Plant, Unit 1 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 07/26/23

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

Docket No. 05000400  
License No. NPF-63

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV

L. Faulk

SUBJECT: SHEARON HARRIS NUCLEAR PLANT, UNIT 1 – SECURITY BASELINE  
INSPECTION REPORT 05000400/2023402 Dated July 28, 2023

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NAME	J. Brown	J. Wallo	A. Richardson	J. Worosilo	
DATE	07/25/2023	07/25/2023	07/25/2023	07/26/2023	

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

Docket Number: 05000400

License Number: NPF-63

Report Number: 05000400/2023402

Enterprise Identifier: I-2023-402-0010

Licensee: Duke Energy Progress, LLC

Facility: Shearon Harris Nuclear Plant, Unit 1

Location: New Hill, NC

Inspection Dates: June 26, 2023, to June 29, 2023

Inspectors: J. Brown, Senior Physical Security Inspector  
A. Richardson, Physical Security Inspector  
J. Wallo, Senior 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 Shearon Harris Nuclear Plant, Unit 1, 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

### 71130.04 - Equipment Performance, Testing, and Maintenance

The inspectors evaluated the security equipment testing and maintenance program. The following elements were evaluated from this IP dated January 1, 2019.

#### Equipment Performance, Testing, and Maintenance (1 Sample)

- (1)
  - Tier I: All Requirements
  - Tier II: 02.09 a, b, 02.11 d, 02.13 a
  - Tier III: 02.15 b, c

### 71130.07 - Security Training

The inspectors evaluated the security training program through completion of the following procedure elements:

#### Security Training (1 Sample)

- (1)
  - Tier I: All Requirements
  - Tier II: 02.05 a, b, c, 02.06 a, b, 02.07 a
  - Tier III: 02.10, 02.11 a, 02.12 a, 02.13 a, b

### 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, Shearon Harris Physical Security Plan, Revision 16, dated April 10, 2023, 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 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) May 1, 2022, through May 31, 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 June 29, 2023, the inspectors presented the security baseline inspection results to Linwood Faulk 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 02412674		
		AR 02431727		
		AR 02439267		
		AR 02475070		
	Procedures	AD-SY-ALL-0210	Site Access Controls	Revision 8
		AD-SY-ALL-0215	Security Search and Entry Processing	Revision 11
		AD-SY-ALL-0240	Security Key and Lock Controls	Revision 2
		CSD-SY-0201-03	HNP Security Post Order	Revision 0
		CSD-SY-HNP-0215-01	HNP Security Search and Entry Processing	Revision 01
71130.04	Corrective Action Documents	02474854		
		02474881		
		02474925		
	Miscellaneous		Various Security Equipment Operability and Test Records	
			Various Weapons Maintenance, Inspection, and Accountability Records	
	Procedures	AD-SY-ALL-0610	Nuclear Security Equipment Maintenance Program	Revision 1
		ORT-1408	Security Diesel Operational Run	Revision 32
	Work Orders	PM-E-0063	Security UPS Inspection	Revision 04
		WO Package 2005645710		08/29/2019
		WO Package 2059682001	Security UPS	05/30/2023
	71130.07	Corrective Action Documents	02473626	
Procedures		AD-SY-ALL-0510	Security Program Systematic Approach to Training	Revision 5
		AD-SY-ALL-0520	Security Training	Revision 7
		AD-SY-ALL-0540	Security Range Safety and Control	Revision 10
		AD-SY-ALL-0560	Security Drills and Exercise Program	Revision 9
71130.09	Procedures		Physical Security Plan (PSP)	Revision 16
71151	Corrective Action	AR - 02412674		

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Documents	AR - 02431727		
		AR - 02439267		
		AR - 02475070		