



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

June 24, 2024

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

SUBJECT: SHEARON HARRIS NUCLEAR PLANT, UNIT 1 – SECURITY BASELINE
INSPECTION REPORT 05000400/2024401

Dear Linwood Faulk:

On June 13, 2024, 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 David Hoffman 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 06/24/24

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

SUBJECT: SHEARON HARRIS NUCLEAR PLANT, UNIT 1 – SECURITY BASELINE INSPECTION REPORT 05000400/2024401 DATED JUNE 24, 2024

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DATE	6/20/2024	6/20/2024	6/24/2024		

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

Docket Number: 05000400

License Number: NPF-63

Report Number: 05000400/2024401

Enterprise Identifier: I-2024-401-0052

Licensee: Duke Energy Progress, LLC

Facility: Shearon Harris Nuclear Plant, Unit 1

Location: New, Hill, NC

Inspection Dates: June 10, 2024 to June 13, 2024

Inspectors: D. Egelstad, Physical Security Inspector
J. Justice, Sr. 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: 02.06(a - c), 2.08(a,d,f,g,i)
 - Tier III: 02.09

71130.09 - Security Plan Changes

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

Security Plan Changes (1 Partial)

- (1) (Partial)
The opportunity to apply this procedure was not available in accordance with IMC 0306. This sample was not available because the licensee did not conduct the activity covered by this IP. Specifically, the licensee has not initiated a physical security plan change in accordance with 10 CFR 50.54(p)(2) since the last performance of this IP.

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 2023 - May 2024

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 13, 2024, the inspectors presented the security baseline inspection results to David Hoffman and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date	
71130.02	Corrective Action Documents	02512626			
		02512699			
		02488746			
		02482763			
		02493687			
		02498328			
		02499594			
		Miscellaneous		Protected Area/ Vital Area Control Log	04/19/2024
		Procedures		Shearon Harris Nuclear Plant Physical Security Plan	Rev 16
			AD-SY-ALL-0110	Protection of Information related to Nuclear Safety	Rev 10
			AD-SY-ALL-0210	Site Access Controls	Rev 8
			AD-SY-ALL-0215	Security Search and Entry Processing	Rev 12
	AD-SY-ALL-0240		Security Key and Lock Controls	Rev 3	
		CSD-SY-HNP-0215-01	HNP Security Search and Entry Processing	Rev 5	
		CSD-SY-HNP-0240-01	HNP Security Key and Lock Program	Rev 0	
		SP-015	Emergency Plan Support	Rev 33	
	Self-Assessments	2024-HNP-SEC-LSA-01	Nuclear Oversight - Conditional Audit Harris Physical Security	01/18/2024	
71151	Procedures	AD-PI-ALL-0700	Performance Indicators	Rev 6	