



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

August 22, 2022

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

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT – SECURITY BASELINE
INSPECTION REPORT 05000400/2022403

Dear Mr. Faulk:

On August 11, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Shearon Harris Nuclear Power Plant and discussed the results of this inspection with Mr. Chad Kidd 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 08/22/22

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 POWER PLANT – SECURITY BASELINE INSPECTION REPORT 05000400/2022403 dated August 22, 2022

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NAME	J. Brown	J. Worosilo			
DATE	08/19/2022	08/22/2022			

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

Docket Number: 05000400

License Number: NPF-63

Report Number: 05000400/2022403

Enterprise Identifier: I-2022-403-0025

Licensee: Duke Energy Carolinas, LLC

Facility: Shearon Harris Nuclear Power Plant

Location: New Hill, NC

Inspection Dates: August 08, 2022 to August 11, 2022

Inspectors: J. Brown, 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 Power 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

Type	Issue Number	Title	Report Section	Status
LER	05000400/2022-002-00	LER 2022-002-00 for Shearon Harris Nuclear Power Plant, Unit 1, Plant Protected Area Security Vulnerability Discovered Without a Compensatory Security Measure	71153	Closed

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, and e)
Tier III: 1 Requirement (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 Sample)

- (1) Security Plan Changes (1 Sample)
 - (1) Review Security Plan Changes (IP Section 02.01) (1 Sample)

The opportunity to apply this procedure was not available in accordance with Inspection Manual Chapter 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) Unit 1 July 2021 through July 2022

71153 - Follow Up of Events and Notices of Enforcement Discretion

The inspectors evaluated the following licensee event report (LER):

Follow Up of Events and Notices of Enforcement Discretion (1 Sample)

(1) Follow Up of Events and Notices of Enforcement Discretion (1 Sample)

(1) Licensee Event Report 05000400/2022402-00, Shearon Harris Nuclear Power Plant Units 1, Plant Protected Area Security Vulnerability Discovered Without Compensatory Security Measures (ADAMS accession: ML22110A159)
The circumstances surrounding this LER are documented in Inspection Report 05000400/2022401 Section 71153.

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

- On August 11, 2022, the inspectors presented the security baseline inspection results to Mr. Chad Kidd 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 02397287	Sally port Contraband	
		AR 02407972	Denial of Access	
		AR 02416610		
		AR 02431918		06/20/2022
		AR 02432224		06/22/2022
		AR 02432485		06/24/2022
	Corrective Action Documents Resulting from Inspection	AR 02437661	Warehouse Search Process	08/11/2022
	Procedures	AD-SY-ALL-0190	Security Records Program	Revision 04
		AD-SY-ALL-0210	Site Access Controls	Revision 06
		AD-SY-ALL-0215	Security Search and Entry Processing	Revision 08
		AD-SY-ALL-0240	Security Key and Lock Controls	Revision 02
		CSD-SY-HNP-0201	HNP Security Post Order	Revision 00
		CSD-SY-HNP-0240-01	HNP Security Key and Lock Program	Revision 00
SP - 015		Emergency Plan Support	Revision 32	
71151	Procedures	AD-PI-ALL-0700	Performance Indicators	Revision 05
71153	Corrective Action Documents Resulting from Inspection	AR 02418524	PIDS & Reporting	03/03/2022
	Procedures	AD-SY-All-0150	Security Event Report Determination Table Job Aid	Section 2.0