



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

August 26, 2024

Thomas Haaf  
Site Vice President  
Duke Energy Progress, LLC  
5413 Shearon Harris Road  
Mail Code HNP01  
New Hill, NC 27562-9300

SUBJECT: UPDATED INSPECTION PLAN FOR SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 (REPORT 05000400/2024005)

Dear Thomas Haaf:

The enclosed inspection plan lists the inspections scheduled through June 30, 2026, for the Shearon Harris Nuclear Power Plant. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

The NRC will perform one non-routine planned inspection under Inspection Procedure 71003, "Post-Approval Site Inspection for License Renewal." This inspection is scheduled from August 4-8, and August 18-22, 2025.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

T. Haaf

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Please contact me at 404-997-4547 with any questions you have regarding this letter.

Sincerely,



Signed by Fannon, Matthew  
on 08/26/24

Matthew S. Fannon, Chief  
Reactor Projects Branch 4  
Division of Reactor Projects

Docket Nos. 05000400

License Nos. NPF-63

Enclosure:

Shearon Harris Inspection/Activity Plan  
(09/01/2024 – 06/30/2026)

SUBJECT: UPDATED INSPECTION PLAN FOR SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 (REPORT 05000400/2024005) DATED AUGUST 26, 2024

**DISTRIBUTION:**

R2EICS

RIDSNNRRPM Shearon Harris Resource

RIDSNNRRDRO Resource

ROPASSESSMENT Resource

**ADAMS ACCESSION NUMBER:ML24235A481**

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RII: DRP	RII: DRP			
NAME	A. Wilson	M. Fannon			
DATE	8/23/2024	8/26/2024			

**OFFICIAL RECORD COPY**

# Site Inspection Activity Plan

## Harris

09/01/2024 - 06/30/2026

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>PROBLEM IDENTIFICATION AND RESOLUTION</b>						4
1	10/7/2024	10/11/2024	IP 71152B	000747	Problem Identification and Resolution	
1	10/21/2024	10/25/2024	IP 71152B	000747	Problem Identification and Resolution	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - HAR</b>						5
1	11/4/2024	11/8/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	12/2/2024	12/6/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>DUKE CORPORATE SECURITY INSPECTION AA/FFD</b>						2
1	1/13/2025	1/16/2025	IP 71130.01	000733	Access Authorization	
1	1/13/2025	1/16/2025	IP 71130.08	000740	Fitness-For-Duty Program	
<b>SECURITY BASELINE INSPECTION</b>						2
1	2/10/2025	2/13/2025	IP 71130.01	000733	Access Authorization	
1	2/10/2025	2/13/2025	IP 71130.02	000734	Access Control	
1	2/10/2025	2/13/2025	IP 71130.08	000740	Fitness-For-Duty Program	
1	2/10/2025	2/13/2025	IP 71130.09	001656	Security Plan Changes	
1	2/10/2025	2/13/2025	IP 71151	001338	Performance Indicator Verification	
<b>FOCUSED ENGINEERING INSPECTION (CGD)</b>						3
1	2/24/2025	2/28/2025	IP 71111.21N.03	001808	Commercial Grade Dedication	
1	3/10/2025	3/14/2025	IP 71111.21N.03	001808	Commercial Grade Dedication	
<b>HARRIS REQUAL INSPECTION</b>						2
1	3/23/2025	3/28/2025	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>MATERIAL CONTROL AND ACCOUNTING</b>						1
1	3/31/2025	4/4/2025	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>CYBER SECURITY INSPECTION</b>						4
1	4/21/2025	4/25/2025	IP 71130.10	000741	Cybersecurity	
<b>EMERGENCY PREPAREDNESS EXERCISE INSPECTION</b>						5
1	4/28/2025	5/2/2025	IP 71114.01	000716	Exercise Evaluation	

# Site Inspection Activity Plan

1	4/28/2025	5/2/2025	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	4/28/2025	5/2/2025	IP 71151	001397	Performance Indicator Verification	
<b>SECURITY BASELINE INSPECTION</b>						2
1	6/23/2025	6/26/2025	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	6/23/2025	6/26/2025	IP 71130.07	000739	Security Training	
<b>HARRIS INITIAL LICENSE EXAM</b>						4
1	6/8/2025	6/14/2025	OV	000956	FB-OR-Onsite Validation Of Initial License Examination (OV)	
1	7/13/2025	7/26/2025	EXAD	000500	FB-OR-Initial License Exam Administration (EXAD)	
<b>UNIT 1 POST-APPROVAL LICENSE RENEWAL PHASE 2</b>						5
1	8/4/2025	8/8/2025	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
1	8/18/2025	8/22/2025	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
<b>RP OCCUPATIONAL RAD SAFETY AND TRANSPORTATION BASELINE INSPECTION</b>						2
1	10/6/2025	10/10/2025	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	10/6/2025	10/10/2025	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
1	10/6/2025	10/10/2025	IP 71151	000746	Performance Indicator Verification	
<b>UNIT 1 IN-SERVICE INSPECTION +SG</b>						1
1	10/13/2025	10/24/2025	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>FOCUSED ENGINEERING INSPECTION (AGE-RELATED)</b>						3
1	3/23/2026	3/27/2026	IP 71111.21N.04	001832	Age-Related Degradation	
1	4/6/2026	4/10/2026	IP 71111.21N.04	001832	Age-Related Degradation	
<b>SECURITY BASELINE INSPECTION</b>						4
1	4/13/2026	4/16/2026	IP 71130.02	000734	Access Control	
1	4/13/2026	4/16/2026	IP 71130.05	000737	Protective Strategy Evaluation	
1	4/13/2026	4/16/2026	IP 71130.09	001656	Security Plan Changes	
1	4/13/2026	4/16/2026	IP 71130.14	000743	Review of Power Reactor Target Sets	
1	4/13/2026	4/16/2026	IP 71151	001338	Performance Indicator Verification	
<b>EMERGENCY PREPAREDNESS PROGRAM INSPECTION</b>						2
1	4/27/2026	5/1/2026	IP 71114.02	000717	Alert and Notification System Testing	

# Site Inspection Activity Plan

1	4/27/2026	5/1/2026	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System
1	4/27/2026	5/1/2026	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes
1	4/27/2026	5/1/2026	IP 71114.05	000720	Maintenance of Emergency Preparedness
1	4/27/2026	5/1/2026	IP 71151	001397	Performance Indicator Verification

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## RP OCCUPATIONAL AND PUBLIC RAD SAFETY BASELINE INSPECTION

4

1	6/22/2026	6/26/2026	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls
1	6/22/2026	6/26/2026	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment
1	6/22/2026	6/26/2026	IP 71124.07	000731	Radiological Environmental Monitoring Program
1	6/22/2026	6/26/2026	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation
1	6/22/2026	6/26/2026	IP 71151	000746	Performance Indicator Verification

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