



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

August 24, 2020

Ms. Kim Maza  
Site Vice President  
Shearon Harris Nuclear Power Plant  
5413 Shearon Harris Road  
Mail Code HNP01  
New Hill, NC 27562-9300

SUBJECT: UPDATED INSPECTION PLAN FOR SHEARON HARRIS NUCLEAR POWER PLANT, NRC INSPECTION REPORT 05000400/2020005

Dear Ms. Maza:

The enclosed inspection plan lists the inspections scheduled through June 30, 2022, for 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. You should be aware that the agency is pursuing potential changes to the Reactor Oversight Process (ROP), including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"), and other changes to the baseline inspection program described in SECY-19-0067, "Recommendations for Enhancing the Reactor Oversight Process." Should these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule. 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.

In response to the COVID-19 public health emergency (PHE), the NRC is adjusting inspection plans and schedules in order to safeguard the health and safety of both NRC and licensee staff while still effectively implementing the ROP. Each planned inspection is being carefully reviewed in order to determine if any portions of the inspection can be performed remotely, determine how best to perform on-site portions to minimize personnel health risks, and adjust inspection schedules if needed. This is done in accordance with guidance contained in the May 28, 2020 memo, "Inspection Guidance During Transition From COVID-19 Mandatory Telework" (ML20141L766). For inspections requiring extensive coordination with offsite organizations, such as evaluated emergency preparedness exercises, NRC guidance and frequently asked questions for security and emergency preparedness can be found here: <https://www.nrc.gov/about-nrc/covid-19/security-ep/>. Similarly, the NRC has developed guidance if force-on-force inspections cannot be completed as scheduled due to an emergency, such as the COVID-19 PHE. These changes help ensure the health and safety of both NRC and licensee staff while maintaining the NRC's important safety and security mission during the COVID-19 PHE.

The attached inspection plan is accurate on the date of issuance but remains subject to change based on approval of potential exemption requests or other changes needed due to changing conditions in the COVID-19 PHE. NRC staff will contact your appropriate regulatory affairs staff in order to coordinate inspection planning and scheduling.

The NRC will also be performing baseline inspections of licensee cyber security programs. The specific schedule and procedure to be used for these inspections is being developed by the NRC staff. The staff expects to communicate the schedule for these inspections to each utility separately.

Additionally, during this period the NRC will schedule an additional inspection per a revised version Temporary Instruction (TI) 2515/194, "Inspection of the Licensee's Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerability in Electrical Power Systems (NRC Bulletin 2012-01)" for any sites who elect to implement the guidance of the Industry Initiative on Open Phase Condition, Revision 3 (ML19163A176), which included an option for relying on annunciation and operator manual actions instead of automatic protective features to isolate a power supply affected by an open phase condition. Licensees will be individually notified when the NRC schedules these inspections.

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).

Please contact me at 404-997-4580 with any questions you have regarding this letter.

Sincerely,

/RA/

Stewart N. Bailey, Chief  
Reactor Projects Branch 4  
Division of Reactor Projects

Docket Nos. 05000400  
License Nos. NPF-63

Enclosure:  
Inspection Plan

SUBJECT: UPDATED INSPECTION PLAN FOR SHEARON HARRIS NUCLEAR POWER  
PLANT, NRC INSPECTION REPORT 05000400/2020005  
DATED: AUGUST 24, 2020

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OFFICE	RII: DRP	RII: DRP	RII: DRP			
NAME	P. Niebaum	D. Jackson	S. Bailey			
DATE	08/13/2020	8/13/2020	8/24/2020			

**OFFICIAL AGENCY RECORD**

# IP 22 Inspection Activity Plan Report

## Harris

08/17/2020 - 06/30/2022

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>TI-194, OPEN PHASE CONDITION, REV 1</b>						5
1	08/10/2020	12/31/2020	TI 2515/194	000512	Inspection of the Licensee's Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)	
<b>TARGET SET INSPECTION</b>						2
1	09/28/2020	10/02/2020	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>SECURITY BASELINE INSPECTION</b>						1
1	10/05/2020	10/09/2020	IP 71130.02	000734	Access Control	
1	10/05/2020	10/09/2020	IP 71151	001338	Performance Indicator Verification	
<b>PROBLEM IDENTIFICATION AND RESOLUTION</b>						4
1	10/05/2020	10/09/2020	IP 71152B	000747	Problem Identification and Resolution	
1	10/19/2020	10/23/2020	IP 71152B	000747	Problem Identification and Resolution	
<b>HARRIS INITIAL LICENSE EXAM</b>						3
1	10/12/2020	10/16/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	11/16/2020	11/20/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>RP OCCUPATIONAL &amp; PUBLIC RAD SAFETY BASELINE INSPECTION</b>						4
1	11/02/2020	11/13/2020	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	11/09/2020	11/13/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	11/09/2020	11/13/2020	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1	11/09/2020	11/13/2020	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
1	11/09/2020	11/13/2020	IP 71151	000746	Performance Indicator Verification	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - HAR</b>						6
1	02/08/2021	02/12/2021	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	03/08/2021	03/12/2021	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>UNIT 1 IN-SERVICE INSPECTION +SG</b>						2
1	04/26/2021	04/30/2021	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

Enclosure

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## Harris

08/17/2020 - 06/30/2022

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION</b>						3
1	04/26/2021	04/30/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	04/26/2021	04/30/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	04/26/2021	04/30/2021	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	04/26/2021	04/30/2021	IP 71124.04	000728	Occupational Dose Assessment	
1	04/26/2021	04/30/2021	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	04/26/2021	04/30/2021	IP 71151	000746	Performance Indicator Verification	
1	05/10/2021	05/14/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	05/10/2021	05/14/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	05/10/2021	05/14/2021	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/10/2021	05/14/2021	IP 71124.04	000728	Occupational Dose Assessment	
1	05/10/2021	05/14/2021	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	05/10/2021	05/14/2021	IP 71151	000746	Performance Indicator Verification	
<b>SECURITY BASELINE INSPECTION</b>						3
1	06/21/2021	06/25/2021	IP 71130.02	000734	Access Control	
1	06/21/2021	06/25/2021	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	06/21/2021	06/25/2021	IP 71130.07	000739	Security Training	
1	06/21/2021	06/25/2021	IP 71130.09	001656	Security Plan Changes	
1	06/21/2021	06/25/2021	IP 71151	001338	Performance Indicator Verification	
<b>NFPA 805 TRIENNIAL FIRE PROTECTION INSPECTION</b>						4
1	08/09/2021	08/13/2021	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
1	08/23/2021	08/27/2021	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
<b>EMERGENCY PREPAREDNESS EXERCISE</b>						5
1	09/13/2021	09/17/2021	IP 71114.01	000716	Exercise Evaluation	
1	09/13/2021	09/17/2021	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	09/13/2021	09/17/2021	IP 71151	001397	Performance Indicator Verification	
<b>HARRIS REQUAL INSPECTION</b>						2
1	10/18/2021	10/22/2021	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>EVALUATIONS OF CHANGES, TESTS AND EXPERIMENTS</b>						3
1	11/15/2021	11/19/2021	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

# IP 22 Inspection Activity Plan Report

## Harris

08/17/2020 - 06/30/2022

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>DUKE CORPORATE AA/FFD BASELINE SECURITY INSPECTION</b>						2
1	01/10/2022	01/14/2022	IP 71130.01	000733	Access Authorization	
1	01/10/2022	01/14/2022	IP 71130.08	000740	Fitness For Duty Program	
<b>SECURITY BASELINE INSPECTION</b>						1
1	02/28/2022	03/04/2022	IP 71130.01	000733	Access Authorization	
1	02/28/2022	03/04/2022	IP 71130.02	000734	Access Control	
1	02/28/2022	03/04/2022	IP 71130.08	000740	Fitness For Duty Program	
1	02/28/2022	03/04/2022	IP 71130.09	001656	Security Plan Changes	
1	02/28/2022	03/04/2022	IP 71151	001338	Performance Indicator Verification	
<b>DESIGN BASES ASSURANCE INSPECTION (PROGRAMS)</b>						3
1	04/11/2022	04/15/2022	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
1	04/25/2022	04/29/2022	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	