



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

August 27, 2019

Ms. Tanya Hamilton  
Site Vice President  
Shearon Harris Nuclear Power Plant  
5413 Shearon Harris Rd.  
Mail Code HNP01  
New Hill, NC 27562-9300

SUBJECT: UPDATED INSPECTION PLAN FOR SHEARON HARRIS NUCLEAR POWER  
PLANT – NRC REPORT 05000400/2019005

Dear Ms. Hamilton:

The enclosed inspection plan lists the inspections scheduled through June 30, 2021 for Shearon Harris Nuclear Power Plant, Unit 1. 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 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, beginning in January 2020. 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 following planned infrequent inspection will be conducted at your facility during the period: IP 71007, Reactor Vessel Head Replacement Inspection. This is included in the enclosed inspection plan.

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. Hamilton

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Please contact me at 404-997-4428 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Bradley J. Davis, Chief  
Reactor Projects Branch 4  
Division of Reactor Projects

Docket No.: 50-400  
License No.: NPF-63

Enclosure:  
Inspection Plan

cc w/ encl: Distribution via ListServ

SUBJECT: UPDATED INSPECTION PLAN FOR SHEARON HARRIS NUCLEAR POWER PLANT – NRC REPORT 05000400/2019005

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|        |           |           |           |  |  |  |
|--------|-----------|-----------|-----------|--|--|--|
| OFFICE | RII:DRP   | RII:DRP   | RII: DRP  |  |  |  |
| NAME   | JDodson   | DJackson  | BDavis    |  |  |  |
| DATE   | 8/22/2019 | 8/22/2019 | 8/22/2019 |  |  |  |

**OFFICIAL AGENCY RECORD**

## IP 22 Inspection Activity Plan Report

### Harris

09/01/2019 - 06/30/2021

| Unit  | Start      | End        | Activity     | CAC    | Title  | Staff Count |
|---|------------|------------|--------------|--------|--|-------------|
| <b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION</b> |            |            |              |        |  | <b>3</b>    |
| 1   | 10/21/2019 | 10/25/2019 | IP 71007     | 000689 | Reactor Vessel Head Replacement Inspection                       |             |
| 1   | 10/21/2019 | 10/25/2019 | IP 71124.01  | 000725 | Radiological Hazard Assessment and Exposure Controls             |             |
| 1   | 10/21/2019 | 10/25/2019 | IP 71124.02  | 000726 | Occupational ALARA Planning and Controls                         |             |
| 1   | 10/21/2019 | 10/25/2019 | IP 71124.03  | 000727 | In-Plant Airborne Radioactivity Control and Mitigation           |             |
| 1   | 10/21/2019 | 10/25/2019 | IP 71124.04  | 000728 | Occupational Dose Assessment                                     |             |
| 1   | 10/21/2019 | 10/25/2019 | IP 71124.05  | 000729 | Radiation Monitoring Instrumentation                             |             |
| 1   | 11/18/2019 | 11/22/2019 | IP 71007     | 000689 | Reactor Vessel Head Replacement Inspection                       |             |
| 1   | 11/18/2019 | 11/22/2019 | IP 71124.01  | 000725 | Radiological Hazard Assessment and Exposure Controls             |             |
| 1   | 11/18/2019 | 11/22/2019 | IP 71124.02  | 000726 | Occupational ALARA Planning and Controls                         |             |
| 1   | 11/18/2019 | 11/22/2019 | IP 71124.03  | 000727 | In-Plant Airborne Radioactivity Control and Mitigation           |             |
| 1   | 11/18/2019 | 11/22/2019 | IP 71124.04  | 000728 | Occupational Dose Assessment                                     |             |
| 1   | 11/18/2019 | 11/22/2019 | IP 71124.05  | 000729 | Radiation Monitoring Instrumentation                             |             |
| <b>UNIT 1 IN-SERVICE INSPECTION +SG +RVH</b>          |            |            |              |        |  | <b>5</b>    |
| 1   | 10/21/2019 | 10/25/2019 | IP 71007     | 000689 | Reactor Vessel Head Replacement Inspection                       |             |
| 1   | 10/21/2019 | 10/25/2019 | IP 71111.08P | 000702 | Inservice Inspection Activities (PWR)                            |             |
| 1   | 11/04/2019 | 11/08/2019 | IP 71007     | 000689 | Reactor Vessel Head Replacement Inspection                       |             |
| <b>CYBER SECURITY</b>                                 |            |            |              |        |  | <b>4</b>    |
| 1   | 01/27/2020 | 01/31/2020 | IP 71130.10P | 000741 | Cyber Security   |             |
| 1   | 02/10/2020 | 02/14/2020 | IP 71130.10P | 000741 | Cyber Security   |             |
| <b>EMERGENCY PREPAREDNESS PROGRAM INSPECTION</b>      |            |            |              |        |  | <b>2</b>    |
| 1   | 02/24/2020 | 02/28/2020 | IP 71114.02  | 000717 | Alert and Notification System Testing                            |             |
| 1   | 02/24/2020 | 02/28/2020 | IP 71114.03  | 000718 | Emergency Response Organization Staffing and Augmentation System |             |
| 1   | 02/24/2020 | 02/28/2020 | IP 71114.04  | 000719 | Emergency Action Level and Emergency Plan Changes                |             |
| 1   | 02/24/2020 | 02/28/2020 | IP 71114.05  | 000720 | Maintenance of Emergency Preparedness                            |             |
| 1   | 02/24/2020 | 02/28/2020 | IP 71151     | 001397 | Performance Indicator Verification                               |             |
| <b>SECURITY BASELINE INSPECTION</b>                   |            |            |              |        |  | <b>3</b>    |
| 1   | 02/24/2020 | 02/28/2020 | IP 71130.05  | 000737 | Protective Strategy Evaluation                                   |             |
| <b>DESIGN BASES ASSURANCE INSPECTION (TEAM)</b>       |            |            |              |        |  | <b>6</b>    |
| 1   | 03/16/2020 | 03/20/2020 | IP 71111.21M | 000713 | Design Bases Assurance Inspection (Teams)                        |             |

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

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### Harris

09/01/2019 - 06/30/2021

| Unit   | Start      | End        | Activity     | CAC    | Title   | Staff Count |
|--|------------|------------|--------------|--------|---|-------------|
| <b>DESIGN BASES ASSURANCE INSPECTION (TEAM)</b>                    |            |            |              |        |   | 6           |
| 1  | 03/30/2020 | 04/03/2020 | IP 71111.21M | 000713 | Design Bases Assurance Inspection (Teams)   |             |
| <b>TARGET SET</b>  |            |            |              |        |   | 2           |
| 1  | 05/04/2020 | 05/08/2020 | IP 71130.14  | 000743 | Review of Power Reactor Target Sets   |             |
| <b>SECURITY BASELINE INSPECTION</b>                                |            |            |              |        |   | 1           |
| 1  | 05/18/2020 | 05/22/2020 | IP 71130.02  | 000734 | Access Control  |             |
| 1  | 05/18/2020 | 05/22/2020 | 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  | 11/16/2020 | 11/20/2020 | IP 71124.01  | 000725 | Radiological Hazard Assessment and Exposure Controls  |             |
| 1  | 11/16/2020 | 11/20/2020 | IP 71124.06  | 000730 | Radioactive Gaseous and Liquid Effluent Treatment   |             |
| 1  | 11/16/2020 | 11/20/2020 | IP 71124.07  | 000731 | Radiological Environmental Monitoring Program   |             |
| 1  | 11/16/2020 | 11/20/2020 | IP 71124.08  | 000732 | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation |             |
| <b>FORCE-ON-FORCE PLANNING AND EXERCISES</b>                       |            |            |              |        |   | 5           |
| 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)   |             |
| <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  |             |

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### Harris

09/01/2019 - 06/30/2021

| Unit  | Start      | End        | Activity    | CAC    | Title  | Staff Count |
|---|------------|------------|-------------|--------|--|-------------|
| <b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION</b> |            |            |             |        |  | <b>3</b>    |
| 1   | 04/26/2021 | 04/30/2021 | IP 71124.05 | 000729 | Radiation Monitoring Instrumentation                   |             |
| 1   | 05/17/2021 | 05/21/2021 | IP 71124.01 | 000725 | Radiological Hazard Assessment and Exposure Controls   |             |
| 1   | 05/17/2021 | 05/21/2021 | IP 71124.02 | 000726 | Occupational ALARA Planning and Controls               |             |
| 1   | 05/17/2021 | 05/21/2021 | IP 71124.03 | 000727 | In-Plant Airborne Radioactivity Control and Mitigation |             |
| 1   | 05/17/2021 | 05/21/2021 | IP 71124.04 | 000728 | Occupational Dose Assessment                           |             |
| 1   | 05/17/2021 | 05/21/2021 | IP 71124.05 | 000729 | Radiation Monitoring Instrumentation                   |             |
| <b>SECURITY BASELINE INSPECTION</b>                   |            |            |             |        |  | <b>3</b>    |
| 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 71151    | 001338 | Performance Indicator Verification                     |             |

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