



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

February 28, 2024

Steven M. Snider  
Site Vice President  
Duke Energy Carolinas, LLC  
Oconee Nuclear Station  
7800 Rochester Highway  
Seneca, SC 29672-0752

SUBJECT: ANNUAL ASSESSMENT LETTER FOR OCONEE NUCLEAR STATION  
UNITS 1, 2 AND 3 (NRC INSPECTION REPORT 05000269/2023006,  
05000270/2023006, AND 05000287/2023006)

Dear Steven Snider:

The NRC has completed its end-of-cycle performance assessment of Oconee Nuclear Station, Units 1, 2 and 3, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2023, through December 31, 2023. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. The NRC concluded that overall performance at your facility preserved public health and safety. The baseline inspection program was completed at your facility as defined in Inspection Manual Chapter 2515, "Light-Water Reactor Inspection Program - Operations Phase."

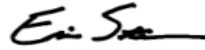
The NRC determined the performance at Oconee Nuclear Station, Units 1, 2 and 3, during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2025. 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.

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 404-997-4575 with any questions you have regarding this letter.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Stamm".

Signed by Stamm, Eric  
on 02/28/24

Eric J. Stamm, Chief  
Reactor Projects Branch 1  
Division of Reactor Projects

Docket Nos. 05000269, 05000270 and 05000287  
License Nos. DPR-38, DPR-47 and DPR-55

Enclosure:  
Oconee Inspection Plan  
(3/1/2024 – 12/31/2025)

cc: Distribution via ListServ

SUBJECT: ANNUAL ASSESSMENT LETTER FOR OCONEE NUCLEAR STATION  
UNITS 1, 2 AND 3 (NRC INSPECTION REPORT 05000269/2023006,  
05000270/2023006, AND 05000287/2023006) – DATED FEBRUARY 28, 2024

**DISTRIBUTION:**

R2EICS

RIDSNNRRDRO

RIDSNNRRPMOconee Resource

ROPassessment Resource

**ADAMS ACCESSION NUMBER: ML24052A410**

|  |           |   |  |   |  |
|--|-----------|---|--|---|--|
| <input checked="" type="checkbox"/> SUNSI Review |           | <input checked="" type="checkbox"/> Non-Sensitive<br><input type="checkbox"/> Sensitive |  | <input checked="" type="checkbox"/> Publicly Available<br><input type="checkbox"/> Non-Publicly Available |  |
| OFFICE   | RII/DRP   | RII/DRP   |  |   |  |
| NAME   | S. Temple | E. Stamm  |  |   |  |
| DATE   | 2/22/2024 | 2/28/2024   |  |   |  |

**OFFICIAL AGENCY RECORD**

# Site Inspection Activity Plan

Oconee

03/01/2024 - 12/31/2025

| Unit  | Start      | End        | Activity        | CAC    | Title   | Staff Count |
|---|------------|------------|-----------------|--------|---|-------------|
| SECURITY BASELINE INSPECTION                                      |            |            |                 |        |   | 3           |
| 1,2,3   | 3/11/2024  | 3/14/2024  | IP 71130.02     | 000734 | Access Control  |             |
| 1,2,3   | 3/11/2024  | 3/14/2024  | IP 71130.05     | 000737 | Protective Strategy Evaluation  |             |
| 1,2,3   | 3/11/2024  | 3/14/2024  | IP 71130.09     | 001656 | Security Plan Changes   |             |
| 1,2,3   | 3/11/2024  | 3/14/2024  | IP 71151        | 001338 | Performance Indicator Verification  |             |
| SECURITY BASELINE INSPECTION                                      |            |            |                 |        |   | 2           |
| 1,2,3   | 4/8/2024   | 4/11/2024  | IP 71130.04     | 000736 | Equipment Performance, Testing, and Maintenance   |             |
| 1,2,3   | 4/8/2024   | 4/11/2024  | IP 71130.07     | 000739 | Security Training   |             |
| UNIT 3 IN-SERVICE INSPECTION +SG                                  |            |            |                 |        |   | 2           |
| 3   | 5/13/2024  | 5/24/2024  | IP 71111.08P    | 000702 | Inservice Inspection Activities (PWR)   |             |
| FOCUSED ENGINEERING INSPECTION (AGE-RELATED)                      |            |            |                 |        |   | 3           |
| 1,2,3   | 6/10/2024  | 6/14/2024  | IP 71111.21N.04 | 001832 | Age-Related Degradation   |             |
| 1,2,3   | 6/24/2024  | 6/28/2024  | IP 71111.21N.04 | 001832 | Age-Related Degradation   |             |
| OCONEE INITIAL LICENSE EXAM                                       |            |            |                 |        |   | 6           |
| 1,2,3   | 6/24/2024  | 6/29/2024  | OV              | 000956 | FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)                                   |             |
| 1,2,3   | 8/11/2024  | 8/24/2024  | EXAD            | 000500 | FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)  |             |
| EMERGENCY PREPAREDNESS EXERCISE INSPECTION                        |            |            |                 |        |   | 5           |
| 1,2,3   | 8/19/2024  | 8/23/2024  | IP 71114.01     | 000716 | Exercise Evaluation   |             |
| 1,2,3   | 8/19/2024  | 8/23/2024  | IP 71114.04     | 000719 | Emergency Action Level and Emergency Plan Changes   |             |
| 1,2,3   | 8/19/2024  | 8/23/2024  | IP 71151        | 001397 | Performance Indicator Verification  |             |
| RP OCCUPATIONAL RAD SAFETY AND TRANSPORTATION BASELINE INSPECTION |            |            |                 |        |   | 2           |
| 1,2,3   | 10/21/2024 | 10/25/2024 | IP 71124.01     | 000725 | Radiological Hazard Assessment and Exposure Controls  |             |
| 1,2,3   | 10/21/2024 | 10/25/2024 | IP 71124.08     | 000732 | Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation |             |
| 1,2,3   | 10/21/2024 | 10/25/2024 | IP 71151        | 000746 | Performance Indicator Verification  |             |
| UNIT 1 IN-SERVICE INSPECTION +SG                                  |            |            |                 |        |   | 2           |
| 1   | 10/28/2024 | 11/1/2024  | IP 71111.08P    | 000702 | Inservice Inspection Activities (PWR)   |             |
| DUKE CORPORATE SECURITY INSPECTION AA/FFD                         |            |            |                 |        |   | 2           |
| 1,2,3   | 1/13/2025  | 1/16/2025  | IP 71130.01     | 000733 | Access Authorization  |             |
| 1,2,3   | 1/13/2025  | 1/16/2025  | IP 71130.08     | 000740 | Fitness-For-Duty Program  |             |
| TARGET SET INSPECTION   |            |            |                 |        |   | 2           |
| 1,2,3   | 2/24/2025  | 2/28/2025  | IP 71130.14     | 000743 | Review of Power Reactor Target Sets   |             |

|                              |  |  |  |  |  |   |
|------------------------------|--|--|--|--|--|---|
| SECURITY BASELINE INSPECTION |  |  |  |  |  | 2 |
|------------------------------|--|--|--|--|--|---|

# Site Inspection Activity Plan

|   |            |            |                 |        |  |   |
|---|------------|------------|-----------------|--------|--|---|
| 1,2,3   | 3/17/2025  | 3/20/2025  | IP 71130.01     | 000733 | Access Authorization   |   |
| 1,2,3   | 3/17/2025  | 3/20/2025  | IP 71130.02     | 000734 | Access Control   |   |
| 1,2,3   | 3/17/2025  | 3/20/2025  | IP 71130.08     | 000740 | Fitness-For-Duty Program   |   |
| 1,2,3   | 3/17/2025  | 3/20/2025  | IP 71130.09     | 001656 | Security Plan Changes  |   |
| 1,2,3   | 3/17/2025  | 3/20/2025  | IP 71151        | 001338 | Performance Indicator Verification                               |   |
| <b>EMERGENCY PREPAREDNESS PROGRAM INSPECTION</b>            |            |            |                 |        |  | 2 |
| 1,2,3   | 4/7/2025   | 4/11/2025  | IP 71114.02     | 000717 | Alert and Notification System Testing                            |   |
| 1,2,3   | 4/7/2025   | 4/11/2025  | IP 71114.03     | 000718 | Emergency Response Organization Staffing and Augmentation System |   |
| 1,2,3   | 4/7/2025   | 4/11/2025  | IP 71114.04     | 000719 | Emergency Action Level and Emergency Plan Changes                |   |
| 1,2,3   | 4/7/2025   | 4/11/2025  | IP 71114.05     | 000720 | Maintenance of Emergency Preparedness                            |   |
| 1,2,3   | 4/7/2025   | 4/11/2025  | IP 71151        | 001397 | Performance Indicator Verification                               |   |
| <b>PROBLEM IDENTIFICATION AND RESOLUTION</b>                |            |            |                 |        |  | 4 |
| 1,2,3   | 4/14/2025  | 4/18/2025  | IP 71152B       | 000747 | Problem Identification and Resolution                            |   |
| 1,2,3   | 4/28/2025  | 5/2/2025   | IP 71152B       | 000747 | Problem Identification and Resolution                            |   |
| <b>FOCUSED ENGINEERING INSPECTION (CGD)</b>                 |            |            |                 |        |  | 3 |
| 1,2,3   | 6/9/2025   | 6/13/2025  | IP 71111.21N.03 | 001808 | Commercial Grade Dedication                                      |   |
| 1,2,3   | 6/23/2025  | 6/27/2025  | IP 71111.21N.03 | 001808 | Commercial Grade Dedication                                      |   |
| <b>MATERIAL CONTROL AND ACCOUNTING</b>                      |            |            |                 |        |  | 1 |
| 1,2,3   | 7/21/2025  | 7/25/2025  | IP 71130.11     | 000742 | Material Control and Accounting (MC&A)                           |   |
| <b>CYBER SECURITY</b>                                       |            |            |                 |        |  | 4 |
| 1,2,3   | 8/4/2025   | 8/8/2025   | IP 71130.10     | 000741 | Cybersecurity  |   |
| <b>RP OCCUPATIONAL RADIATION SAFETY BASELINE INSPECTION</b> |            |            |                 |        |  | 3 |
| 1,2,3   | 11/3/2025  | 11/7/2025  | IP 71124.01     | 000725 | Radiological Hazard Assessment and Exposure Controls             |   |
| 1,2,3   | 11/3/2025  | 11/7/2025  | IP 71124.03     | 000727 | In-Plant Airborne Radioactivity Control and Mitigation           |   |
| 1,2,3   | 11/3/2025  | 11/7/2025  | IP 71124.04     | 000728 | Occupational Dose Assessment                                     |   |
| 1,2,3   | 11/3/2025  | 11/7/2025  | IP 71124.05     | 000729 | Radiation Monitoring Instrumentation                             |   |
| 1,2,3   | 11/3/2025  | 11/7/2025  | IP 71151        | 000746 | Performance Indicator Verification                               |   |
| 1,2,3   | 11/17/2025 | 11/21/2025 | IP 71124.01     | 000725 | Radiological Hazard Assessment and Exposure Controls             |   |
| 1,2,3   | 11/17/2025 | 11/21/2025 | IP 71124.03     | 000727 | In-Plant Airborne Radioactivity Control and Mitigation           |   |
| 1,2,3   | 11/17/2025 | 11/21/2025 | IP 71124.04     | 000728 | Occupational Dose Assessment                                     |   |
| 1,2,3   | 11/17/2025 | 11/21/2025 | IP 71124.05     | 000729 | Radiation Monitoring Instrumentation                             |   |
| 1,2,3   | 11/17/2025 | 11/21/2025 | IP 71151        | 000746 | Performance Indicator Verification                               |   |
| <b>UNIT 2 IN-SERVICE INSPECTION +SG</b>                     |            |            |                 |        |  | 2 |
| 2   | 11/10/2025 | 11/21/2025 | IP 71111.08P    | 000702 | Inservice Inspection Activities (PWR)                            |   |