



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

August 23, 2024

John A. Krakuszeski  
Site Vice President  
Duke Energy Progress, LLC  
8470 River Rd. SE  
M/C BNP04  
Southport, NC 28461-0429

SUBJECT: UPDATED INSPECTION PLAN FOR BRUNSWICK STEAM ELECTRIC PLANT,  
UNITS 1 AND 2 (REPORT 05000324/2024005 AND 05000325/2024005)

Dear John Krakuszewski:

The enclosed inspection plan lists the inspections scheduled through June 30, 2026, for the Brunswick Steam Electric 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.

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 404-997-4547 with any questions you have regarding this letter.

Sincerely,



Signed by Fannon, Matthew  
on 08/23/24

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

Docket Nos. 05000324 and 05000325 and 07200006  
License Nos. DPR-62 and DPR-71

Enclosure:  
Brunswick Inspection/Activity Plan (09/01/2024 – 06/30/2026)

SUBJECT: UPDATED INSPECTION PLAN FOR BRUNSWICK STEAM ELECTRIC PLANT,  
 UNITS 1 AND 2 (REPORT 05000324/2024005 AND 05000325/2024005)  
 DATED AUGUST 23, 2024

**DISTRIBUTION:**

R2EICS  
 RIDSNRRPM BRUNSWICK Resource  
 RIDSNRRDRO Resource  
 ROPASSESSMENT Resource

**ADAMS ACCESSION NUMBER:ML24234A306**

|  |           |   |  |   |  |
|--|-----------|---|--|---|--|
| <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   | A. Wilson | M. Fannon   |  |   |  |
| DATE   | 8/23/2024 | 8/23/2024   |  |   |  |

**OFFICIAL RECORD COPY**

# Site Inspection Activity Plan

## Brunswick

09/01/2024 - 06/30/2026

| Unit  | Start      | End        | Activity     | CAC    | Title   | Staff Count |
|---|------------|------------|--------------|--------|---|-------------|
| <b>BRUNSWICK REQUAL INSPECTION</b>                          |            |            |              |        |   | 2           |
| 1,2   | 9/9/2024   | 9/13/2024  | IP 71111.11B | 000704 | Licensed Operator Requalification Program and Licensed Operator Performance |             |
| <b>SECURITY BASELINE INSPECTION</b>                         |            |            |              |        |   | 1           |
| 1,2   | 10/14/2024 | 10/17/2024 | IP 71130.02  | 000734 | Access Control  |             |
| 1,2   | 10/14/2024 | 10/17/2024 | IP 71130.09  | 001656 | Security Plan Changes   |             |
| 1,2   | 10/14/2024 | 10/17/2024 | IP 71151     | 001338 | Performance Indicator Verification  |             |
| <b>DUKE CORPORATE SECURITY INSPECTION AA/FFD</b>            |            |            |              |        |   | 2           |
| 1,2   | 1/13/2025  | 1/16/2025  | IP 71130.01  | 000733 | Access Authorization  |             |
| 1,2   | 1/13/2025  | 1/16/2025  | IP 71130.08  | 000740 | Fitness-For-Duty Program  |             |
| <b>SECURITY BASELINE INSPECTION</b>                         |            |            |              |        |   | 1           |
| 1,2   | 1/27/2025  | 1/30/2025  | IP 71130.01  | 000733 | Access Authorization  |             |
| 1,2   | 1/27/2025  | 1/30/2025  | IP 71130.08  | 000740 | Fitness-For-Duty Program  |             |
| <b>UNIT 2 IN-SERVICE INSPECTION</b>                         |            |            |              |        |   | 1           |
| 2   | 3/10/2025  | 3/14/2025  | IP 71111.08G | 000701 | Inservice Inspection Activities (BWR)                                       |             |
| <b>RP OCCUPATIONAL RADIATION SAFETY BASELINE INSPECTION</b> |            |            |              |        |   | 3           |
| 1,2   | 3/10/2025  | 3/14/2025  | IP 71124.01  | 000725 | Radiological Hazard Assessment and Exposure Controls                        |             |
| 1,2   | 3/10/2025  | 3/14/2025  | IP 71124.03  | 000727 | In-Plant Airborne Radioactivity Control and Mitigation                      |             |
| 1,2   | 3/10/2025  | 3/14/2025  | IP 71124.04  | 000728 | Occupational Dose Assessment  |             |
| 1,2   | 3/10/2025  | 3/14/2025  | IP 71124.05  | 000729 | Radiation Monitoring Instrumentation  |             |
| 1,2   | 3/10/2025  | 3/14/2025  | IP 71151     | 000746 | Performance Indicator Verification  |             |
| 1,2   | 3/24/2025  | 3/28/2025  | IP 71124.01  | 000725 | Radiological Hazard Assessment and Exposure Controls                        |             |
| 1,2   | 3/24/2025  | 3/28/2025  | IP 71124.03  | 000727 | In-Plant Airborne Radioactivity Control and Mitigation                      |             |
| 1,2   | 3/24/2025  | 3/28/2025  | IP 71124.04  | 000728 | Occupational Dose Assessment  |             |
| 1,2   | 3/24/2025  | 3/28/2025  | IP 71124.05  | 000729 | Radiation Monitoring Instrumentation  |             |
| 1,2   | 3/24/2025  | 3/28/2025  | IP 71151     | 000746 | Performance Indicator Verification  |             |
| <b>BRUNSWICK INITIAL EXAM</b>                               |            |            |              |        |   | 4           |
| 1,2   | 4/6/2025   | 4/12/2025  | OV           | 000956 | FB-OR-Onsite Validation Of Initial License Examination (OV)                 |             |

# Site Inspection Activity Plan

|  |            |            |                 |        |   |   |
|--|------------|------------|-----------------|--------|---|---|
| 1,2  | 5/11/2025  | 5/23/2025  | EXAD            | 000500 | FB-OR-Initial License Exam Administration (EXAD)  |   |
| <b>BRUNSWICK INITIAL LICENSE EXAM</b>                                    |            |            |                 |        |   | 4 |
| 1,2  | 4/6/2025   | 4/12/2025  | OV              | 000956 | FB-OR-Onsite Validation Of Initial License Examination (OV)                                   |   |
| 1,2  | 5/11/2025  | 5/24/2025  | EXAD            | 000500 | FB-OR-Initial License Exam Administration (EXAD)  |   |
| <b>EMERGENCY PREPAREDNESS PROGRAM INSPECTION</b>                         |            |            |                 |        |   | 2 |
| 1,2  | 8/11/2025  | 8/15/2025  | IP 71114.02     | 000717 | Alert and Notification System Testing   |   |
| 1,2  | 8/11/2025  | 8/15/2025  | IP 71114.03     | 000718 | Emergency Response Organization Staffing and Augmentation System                              |   |
| 1,2  | 8/11/2025  | 8/15/2025  | IP 71114.04     | 000719 | Emergency Action Level and Emergency Plan Changes   |   |
| 1,2  | 8/11/2025  | 8/15/2025  | IP 71114.05     | 000720 | Maintenance of Emergency Preparedness   |   |
| 1,2  | 8/11/2025  | 8/15/2025  | IP 71151        | 001397 | Performance Indicator Verification  |   |
| <b>FOCUSED ENGINEERING INSPECTION (AGE-RELATED)</b>                      |            |            |                 |        |   | 3 |
| 1,2  | 9/8/2025   | 9/12/2025  | IP 71111.21N.04 | 001832 | Age-Related Degradation   |   |
| 1,2  | 9/22/2025  | 9/26/2025  | IP 71111.21N.04 | 001832 | Age-Related Degradation   |   |
| <b>PROBLEM IDENTIFICATION AND RESOLUTION</b>                             |            |            |                 |        |   | 4 |
| 1,2  | 10/6/2025  | 10/10/2025 | IP 71152B       | 000747 | Problem Identification and Resolution   |   |
| 1,2  | 10/20/2025 | 10/24/2025 | IP 71152B       | 000747 | Problem Identification and Resolution   |   |
| <b>SECURITY BASELINE INSPECTION</b>                                      |            |            |                 |        |   | 2 |
| 1,2  | 10/27/2025 | 10/30/2025 | IP 71130.04     | 000736 | Equipment Performance, Testing, and Maintenance   |   |
| 1,2  | 10/27/2025 | 10/30/2025 | IP 71130.07     | 000739 | Security Training   |   |
| <b>SECURITY BASELINE INSPECTION</b>                                      |            |            |                 |        |   | 3 |
| 1,2  | 11/17/2025 | 11/20/2025 | IP 71130.02     | 000734 | Access Control  |   |
| 1,2  | 11/17/2025 | 11/20/2025 | IP 71130.05     | 000737 | Protective Strategy Evaluation  |   |
| 1,2  | 11/17/2025 | 11/20/2025 | IP 71130.09     | 001656 | Security Plan Changes   |   |
| 1,2  | 11/17/2025 | 11/20/2025 | IP 71151        | 001338 | Performance Indicator Verification  |   |
| <b>BRUNSWICK INITIAL EXAM</b>  |            |            |                 |        |   | 4 |
| 1,2  | 2/8/2026   | 2/13/2026  | OV              | 000956 | FB-OR-Onsite Validation Of Initial License Examination (OV)                                   |   |
| 1,2  | 3/15/2026  | 3/27/2026  | EXAD            | 000500 | FB-OR-Initial License Exam Administration (EXAD)  |   |
| <b>RP OCCUPATIONAL RAD SAFETY AND TRANSPORTATION BASELINE INSPECTION</b> |            |            |                 |        |   | 2 |
| 1,2  | 3/9/2026   | 3/13/2026  | IP 71124.01     | 000725 | Radiological Hazard Assessment and Exposure Controls  |   |
| 1,2  | 3/9/2026   | 3/13/2026  | IP 71124.08     | 000732 | Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation |   |

# Site Inspection Activity Plan

|   |           |           |              |        |   |   |
|---|-----------|-----------|--------------|--------|---|---|
| 1,2   | 3/9/2026  | 3/13/2026 | IP 71151     | 000746 | Performance Indicator Verification        |   |
| <b>UNIT 1 IN-SERVICE INSPECTION</b>                     |           |           |              |        |   | 1 |
| 1   | 3/16/2026 | 3/20/2026 | IP 71111.08G | 000701 | Inservice Inspection Activities (BWR)     |   |
| <b>COMPREHENSIVE ENGINEERING TEAM INSPECTION (CETI)</b> |           |           |              |        |   | 7 |
| 1,2   | 5/4/2026  | 5/8/2026  | IP 71111.21M | 000713 | Comprehensive Engineering Team Inspection |   |
| 1,2   | 5/18/2026 | 5/22/2026 | IP 71111.21M | 000713 | Comprehensive Engineering Team Inspection |   |
| <b>OPERATION OF AN ISFSI</b>                            |           |           |              |        |   | 2 |
| 1,2   | 5/11/2026 | 5/15/2026 | IP 60855     | 001001 | Operation Of An ISFSI                     |   |
| <b>CYBER SECURITY INSPECTION</b>                        |           |           |              |        |   | 2 |
| 1,2   | 6/1/2026  | 6/5/2026  | IP 71130.10  | 000741 | Cybersecurity                             |   |