



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

August 23, 2023

John A. Krakuszewski  
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 05000324/2023005 AND 05000325/2023005)

Dear John Krakuszewski:

The enclosed inspection plan lists the inspections scheduled through June 30, 2025, 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.

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 November 13-17, 2023.

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,

A handwritten signature in black ink, appearing to read "Matthew S. Fannon".

Signed by Fannon, Matthew  
on 08/23/23

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 (09/01/2023 – 06/30/2025)  
Distribution: via ListServ

SUBJECT: UPDATED INSPECTION PLAN FOR BRUNSWICK STEAM ELECTRIC PLANT,  
 UNITS 1 AND 2 (REPORT 05000324/2023005 AND 05000325/2023005)  
 DATED AUGUST 23, 2023

**Distribution:**

M. Fannon, RII  
 G. Smith, RII  
 A. Wilson, RII  
 R2EICS  
 RIDSNRRDRO  
 RidsNrrPMBrunswick Resource  
 ROPassessment Resource  
 PUBLIC

**ADAMS ACCESSION NUMBER: ML23235A027**

SUNSI Review		Non-Sensitive Sensitive		Publicly Available Non-Publicly Available	
OFFICE	RII/DRP	RII/DRP			
NAME	A. Wilson	M. Fannon			
DATE	08/23/2023	08/23/2023			

**OFFICIAL RECORD COPY**

# Site Inspection Activity Plan

## 07200006 - Brunswick (ISFSI)

09/01/2023 - 06/30/2025

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>OPERATION OF AN ISFSI</b>						2
	7/8/2024	7/12/2024	IP 60855	001001	Operation Of An ISFSI	

# Site Inspection Activity Plan

## Brunswick

09/01/2023 - 06/30/2025

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>PROBLEM IDENTIFICATION &amp; RESOLUTION</b>						4
1,2	9/11/2023	9/15/2023	IP 71152B	000747	Problem Identification and Resolution	
<b>EMERGENCY PREPAREDNESS PROGRAM INSPECTION</b>						2
1,2	9/25/2023	9/29/2023	IP 71114.02	000717	Alert and Notification System Testing	
1,2	9/25/2023	9/29/2023	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1,2	9/25/2023	9/29/2023	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	9/25/2023	9/29/2023	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1,2	9/25/2023	9/29/2023	IP 71151	001397	Performance Indicator Verification	
<b>SECURITY BASELINE INSPECTION</b>						3
1,2	10/2/2023	10/6/2023	IP 71130.02	000734	Access Control	
1,2	10/2/2023	10/6/2023	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1,2	10/2/2023	10/6/2023	IP 71130.07	000739	Security Training	
1,2	10/2/2023	10/6/2023	IP 71130.09	001656	Security Plan Changes	
1,2	10/2/2023	10/6/2023	IP 71151	001338	Performance Indicator Verification	
<b>POST-APPROVAL LICENSE RENEWAL PHASE 4</b>						4
1,2	11/13/2023	11/17/2023	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
<b>TARGET SET INSPECTION</b>						1
1,2	11/27/2023	12/1/2023	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>FOCUSED ENGINEERING INSPECTION (FPTI)</b>						4
1,2	11/27/2023	12/1/2023	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
1,2	12/11/2023	12/15/2023	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
<b>BRUNSWICK INITIAL LICENSE EXAM</b>						4
1,2	1/7/2024	1/12/2024	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1,2	2/11/2024	2/24/2024	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
<b>UNIT 1 IN-SERVICE INSPECTION</b>						1
1	3/4/2024	3/8/2024	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>RP OCCUPATIONAL RAD SAFETY AND TRANSPORTATION BASELINE INSPECTION</b>						2
1,2	3/4/2024	3/8/2024	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1,2	3/4/2024	3/8/2024	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
1,2	3/4/2024	3/8/2024	IP 71151	000746	Performance Indicator Verification	
<b>MATERIAL CONTROL AND ACCOUNTING</b>						1
1,2	4/22/2024	4/26/2024	IP 71130.11	000742	Material Control and Accounting (MC&A)	

# Site Inspection Activity Plan

<b>CYBER SECURITY INSPECTION</b>						4
1,2	5/6/2024	5/10/2024	IP 71130.10	000741	Cybersecurity	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - BRU</b>						5
1,2	5/13/2024	5/17/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1,2	6/3/2024	6/7/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>RP PUBLIC RAD SAFETY BASELINE INSPECTION</b>						2
1,2	5/20/2024	5/24/2024	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1,2	5/20/2024	5/24/2024	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1,2	5/20/2024	5/24/2024	IP 71151	000746	Performance Indicator Verification	
<b>OPERATION OF AN ISFSI</b>						2
1,2	7/8/2024	7/12/2024	IP 60855	001001	Operation Of An ISFSI	
<b>EMERGENCY PREPAREDNESS EXERCISE INSPECTION</b>						5
1,2	7/29/2024	8/2/2024	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	7/29/2024	8/2/2024	IP 71114.07	000722	Exercise Evaluation - Hostile Action (HA) Event	
1,2	7/29/2024	8/2/2024	IP 71151	001397	Performance Indicator Verification	
<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>FOCUSED ENGINEERING INSPECTIONS (CGD)</b>						3
1,2	9/16/2024	9/20/2024	IP 71111.21N.03	001808	Commercial Grade Dedication	
1,2	9/30/2024	10/4/2024	IP 71111.21N.03	001808	Commercial Grade Dedication	
<b>SECURITY BASELINE INSPECTION</b>						1
1,2	10/14/2024	10/18/2024	IP 71130.02	000734	Access Control	
1,2	10/14/2024	10/18/2024	IP 71130.09	001656	Security Plan Changes	
1,2	10/14/2024	10/18/2024	IP 71151	001338	Performance Indicator Verification	
<b>BRUNSWICK INITIAL LICENSE EXAM</b>						4
1,2	1/5/2025	1/10/2025	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1,2	2/9/2025	2/22/2025	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
<b>UNIT 2 IN-SERVICE INSPECTION</b>						1
2	3/3/2025	3/7/2025	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	

# Site Inspection Activity Plan

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