



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

AUGUST 24, 2022

Mr. 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  
(REPORT 05000324/2022005 AND 05000325/2022005)

Dear Mr. Krakuszeski:

The enclosed inspection plan lists the inspections scheduled through June 30, 2024 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.

Beginning on January 1, 2023, the engineering inspection frequency will transition from a triennial (3-year) to a quadrennial (4-year) cycle. The new engineering inspection program will consist of a "Comprehensive Engineering Team Inspection (CETI)"<sup>1</sup> and three "Focused Engineering Inspections (FEIs)" that will be performed in each quadrennial cycle. For the cycle beginning in 2023, the FEIs will be: "Fire Protection Team Inspection," "Commercial Grade Dedication" and an engineering inspection that reviews age-related degradation and management<sup>2</sup>.

In response to the COVID-19 public health emergency (PHE), the NRC adjusted inspection plans and schedules in order to safeguard the health and safety of both NRC and licensee staff while still effectively implementing the ROP. While the PHE continues, overall conditions throughout the country support performance of our inspection and oversight activities to return to normal onsite presence by our resident and region-based inspectors and completion of nominal baseline inspection samples. We continue to monitor site-specific conditions and as discussed in our November 2, 2021 memo, "Implementation of Inspection Programs Following Re-Entry from the Public Health Emergency for the Reactor Safety Program" (ML21295A302), it may be necessary to alter how and when we perform our inspection and oversight activities as we balance the importance of protecting the health and safety of our staff with the need to conduct effective oversight that supports the NRC's critical safety mission.

---

<sup>1</sup>Aspects of the Design Basis Assurance Inspection (DBAI), Evaluations of Changes, Tests, & Experiments, and Heat Sink inspections will be included in the CETI inspection. Attached Report 22 will reference DBAI procedure until the CETI procedure is made publicly available. Previously scheduled Evaluation of Changes, Tests, & Experiments and Heat Sink inspections have been cancelled and removed from Report 22.

<sup>2</sup>The age-related degradation and management procedure is under development and will be publicly available by the end of calendar year 2022.

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 perform inspections under Inspection Procedure 71003, "Post-Approval Site Inspection for License Renewal."

Additionally, during this period the NRC will schedule an additional inspection per a revised version Temporary Instruction 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 404-997-4547 with any questions you have regarding this letter.

Sincerely,



Signed by Fannon, Matthew  
on 08/24/22

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

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

Enclosure:  
Brunswick Inspection/Activity Plan  
(09/01/2022 – 06/30/2024)

cc Distribution: via ListServ

SUBJECT: UPDATED INSPECTION PLAN FOR BRUNSWICK STEAM ELECTRIC PLANT  
(REPORT 05000324/2022005 AND 05000325/2022005) DATED AUGUST 24, 2022

**Distribution:**

M. Kowal, RII  
S. Price, RII  
N. Doiley, RII  
RIDSNRRDRO  
RidsNrrPMBrunswick Resource  
ROPassessment Resource  
ROPreports Resource  
PUBLIC

**ADAMS ACCESSION NUMBER: ML22236A528**

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive			<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RII/DRP	RII/DRP				
NAME	A. Wilson	M. Fannon				
DATE	8/25/2022	8/24/2022				

OFFICIAL RECORD COPY

# Site Inspection Activity Plan

## Brunswick

09/01/2022 - 06/30/2024

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>BRUNSWICK REQUAL INSPECTION</b>						2
1,2	9/12/2022	9/16/2022	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>CYBER SECURITY INSPECTION</b>						4
1,2	9/19/2022	9/23/2022	IP 71130.10	000741	Cybersecurity	
<b>SECURITY BASELINE INSPECTION</b>						3
1,2	10/31/2022	11/4/2022	IP 71130.02	000734	Access Control	
1,2	10/31/2022	11/4/2022	IP 71130.05	000737	Protective Strategy Evaluation	
1,2	10/31/2022	11/4/2022	IP 71130.09	001656	Security Plan Changes	
1,2	10/31/2022	11/4/2022	IP 71151	001338	Performance Indicator Verification	
<b>BRUNSWICK INITIAL LICENSE EXAM</b>						5
1,2	10/31/2022	11/4/2022	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1,2	12/5/2022	12/16/2022	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
1,2	1/9/2023	1/20/2023	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
<b>FIRE PROTECTION TEAM INSPECTION</b>						4
1,2	1/30/2023	2/3/2023	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
1,2	2/13/2023	2/17/2023	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
<b>TARGET SET INSPECTION</b>						1
1,2	1/30/2023	2/3/2023	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>UNIT 2 IN-SERVICE INSPECTION</b>						1
2	4/3/2023	4/7/2023	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>RP OCCUPATIONAL RADIATION SAFETY BASELINE INSPECTION</b>						3
1,2	4/3/2023	4/7/2023	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1,2	4/3/2023	4/7/2023	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	4/3/2023	4/7/2023	IP 71124.04	000728	Occupational Dose Assessment	
1,2	4/3/2023	4/7/2023	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1,2	4/3/2023	4/7/2023	IP 71151	000746	Performance Indicator Verification	
1,2	5/15/2023	5/19/2023	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1,2	5/15/2023	5/19/2023	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	5/15/2023	5/19/2023	IP 71124.04	000728	Occupational Dose Assessment	
1,2	5/15/2023	5/19/2023	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1,2	5/15/2023	5/19/2023	IP 71151	000746	Performance Indicator Verification	
<b>PROBLEM IDENTIFICATION &amp; RESOLUTION</b>						4
1,2	8/28/2023	9/1/2023	IP 71152B	000747	Problem Identification and Resolution	

# Site Inspection Activity Plan

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>BRUNSWICK INITIAL EXAM</b>						5
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 RAD SAFETY OCCUPATIONAL 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>FOCUSED ENGINEERING INSPECTIONS (CGD)</b>						3
1,2	3/25/2024	3/29/2024	IP 71111.21N.03	001808	Commercial Grade Dedication	
1,2	4/8/2024	4/12/2024	IP 71111.21N.03	001808	Commercial Grade Dedication	
<b>CYBER SECURITY INSPECTION</b>						4
1,2	5/6/2024	5/10/2024	IP 71130.10	000741	Cybersecurity	
<b>RP RAD SAFETY PUBLIC BASELINE INSPECTION</b>						2
1,2	5/13/2024	5/17/2024	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1,2	5/13/2024	5/17/2024	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1,2	5/13/2024	5/17/2024	IP 71151	000746	Performance Indicator Verification	
<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	

# Site Inspection Activity Plan

## MATERIAL CONTROL AND ACCOUNTING

1

1,2	6/3/2024	6/7/2024	IP 71130.11	000742	Material Control and Accounting (MC&A)
-----	----------	----------	-------------	--------	--

---