



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

August 24, 2020

Mr. John A. Krakuszeski
Site Vice President
Brunswick Steam Electric Plant
Duke Energy Progress, LLC
8470 River Road, SE (M/C BNP001)
Southport, NC 28461

SUBJECT: UPDATED INSPECTION PLAN FOR BRUNSWICK STEAM ELECTRIC PLANT
UNITS 1 AND 2, NRC INSPECTION REPORT 05000325/2020005 AND
05000324/2020005

Dear Mr. Krakuszeski:

The enclosed inspection plan lists the inspections scheduled through June 30, 2022, for 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. You should be aware that the agency is pursuing potential changes to the Reactor Oversight Process (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. 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 response to the COVID-19 public health emergency (PHE), the NRC is adjusting inspection plans and schedules in order to safeguard the health and safety of both NRC and licensee staff while still effectively implementing the ROP. Each planned inspection is being carefully reviewed in order to determine if any portions of the inspection can be performed remotely, determine how best to perform on-site portions to minimize personnel health risks, and adjust inspection schedules if needed. This is done in accordance with guidance contained in the May 28, 2020 memo, "Inspection Guidance During Transition From COVID-19 Mandatory Telework" (ML20141L766). 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 following planned inspection will be conducted at Brunswick during the period: Temporary Instruction (TI) 2515/193, "Inspection of the Implementation of Order EA-13-109, "Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation under Severe Accident Conditions," Rev. 1 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML13143A321). This is currently scheduled for December 2020.

The NRC will also be performing baseline inspections of licensee cyber security programs. The specific schedule and procedure to be used for these inspections is being developed by the NRC staff. The staff expects to communicate the schedule for these inspections to each utility separately.

Additionally, during this period the NRC will schedule an additional inspection per a revised version of TI 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 404-997-4580 with any questions you have regarding this letter.

Sincerely,

/RA/

Stewart N. Bailey, Chief
Reactor Projects Branch 4
Division of Reactor Projects

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

Enclosure:
Inspection Plan

SUBJECT: UPDATED INSPECTION PLAN FOR BRUNSWICK STEAM ELECTRIC PLANT
UNITS 1 AND 2, NRC INSPECTION REPORT 05000325/2020005 AND
05000324/2020005 DATED: AUGUST 24, 2020

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ADAMS Accession No. ML20237F509

OFFICE	RII: DRP	RII: DRP	RII: DRP			
NAME	P. Niebaum	D. Jackson	S. Bailey			
DATE	08/13/2020	8/13/2020	8/24/2020			

OFFICIAL AGENCY RECORD

IP 22 Inspection Activity Plan Report

Brunswick

08/17/2020 - 06/30/2022

Unit	Start	End	Activity	CAC	Title	Staff Count
TARGET SET INSPECTION						1
1, 2	08/31/2020	09/04/2020	IP 71130.14	000743	Review of Power Reactor Target Sets	
BRUNSWICK REQUAL INSPECTION						2
1, 2	09/14/2020	09/18/2020	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
SECURITY BASELINE INSPECTION						1
1, 2	10/05/2020	10/09/2020	IP 71130.02	000734	Access Control	
1, 2	10/05/2020	10/09/2020	IP 71130.09	001656	Security Plan Changes	
1, 2	10/05/2020	10/09/2020	IP 71151	001338	Performance Indicator Verification	
MATERIAL CONTROL & ACCOUNTING						1
1, 2	10/26/2020	10/30/2020	IP 71130.11	000742	Material Control and Accounting (MC&A)	
BRUNSWICK INITIAL LICENSE EXAM						4
1, 2	11/02/2020	11/06/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	12/07/2020	12/18/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
EMERGENCY PREPAREDNESS EXERCISE INSPECTION (RESCHEDULED)						5
1, 2	11/30/2020	12/04/2020	IP 71114.01	000716	Exercise Evaluation	
1, 2	11/30/2020	12/04/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	11/30/2020	12/04/2020	IP 71151	001397	Performance Indicator Verification	
RELIABLE HARDENED CONTAINMENT VENT TI-193						2
1, 2	12/07/2020	12/10/2020	TI 2515/193	000511	Inspection of the Implementation of EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation under Severe Accident Conditions	
UNIT 2 IN-SERVICE INSPECTION						1
2	03/01/2021	03/05/2021	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION						3
1, 2	03/01/2021	03/05/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/01/2021	03/05/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	03/01/2021	03/05/2021	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/01/2021	03/05/2021	IP 71124.04	000728	Occupational Dose Assessment	

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

Enclosure

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Brunswick

08/17/2020 - 06/30/2022

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RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION						3
1, 2	03/01/2021	03/05/2021	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2	03/01/2021	03/05/2021	IP 71151	000746	Performance Indicator Verification	
1, 2	03/29/2021	04/02/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/29/2021	04/02/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	03/29/2021	04/02/2021	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/29/2021	04/02/2021	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	03/29/2021	04/02/2021	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2	03/29/2021	04/02/2021	IP 71151	000746	Performance Indicator Verification	
DESIGN BASES ASSURANCE INSPECTION (PROGRAMS)						3
1, 2	04/12/2021	04/16/2021	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
1, 2	04/26/2021	04/30/2021	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - BRU						6
1, 2	05/24/2021	05/28/2021	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2	06/14/2021	06/18/2021	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
EMERGENCY PREPAREDNESS PROGRAM INSPECTION						2
1, 2	06/07/2021	06/11/2021	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	06/07/2021	06/11/2021	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	06/07/2021	06/11/2021	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	06/07/2021	06/11/2021	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1, 2	06/07/2021	06/11/2021	IP 71151	001397	Performance Indicator Verification	
PROBLEM IDENTIFICATION & RESOLUTION						4
1, 2	07/11/2021	07/26/2021	IP 71152B	000747	Problem Identification and Resolution	
1, 2	07/26/2021	07/30/2021	IP 71152B	000747	Problem Identification and Resolution	
TRIENNIAL HEAT SINK PERFORMANCE						1
1, 2	08/02/2021	08/06/2021	IP 71111.07T	000700	Heat Sink Performance	
SECURITY BASELINE INSPECTION						1
1, 2	09/13/2021	09/17/2021	IP 71130.02	000734	Access Control	
1, 2	09/13/2021	09/17/2021	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	09/13/2021	09/17/2021	IP 71130.07	000739	Security Training	

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Brunswick

08/17/2020 - 06/30/2022

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SECURITY BASELINE INSPECTION						1
1, 2	09/13/2021	09/17/2021	IP 71130.09	001656	Security Plan Changes	
1, 2	09/13/2021	09/17/2021	IP 71151	001338	Performance Indicator Verification	
DUKE CORPORATE AA/FFD BASELINE SECURITY INSPECTION						2
1, 2	01/10/2022	01/14/2022	IP 71130.01	000733	Access Authorization	
1, 2	01/10/2022	01/14/2022	IP 71130.08	000740	Fitness For Duty Program	
SECURITY BASELINE INSPECTION						1
1, 2	02/07/2022	02/11/2022	IP 71130.01	000733	Access Authorization	
1, 2	02/07/2022	02/11/2022	IP 71130.08	000740	Fitness For Duty Program	
RP OCCUPATIONAL AND TRANSPORTATION RAD SAFETY BASELINE INSPECTION						2
1, 2	02/28/2022	03/04/2022	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	02/28/2022	03/04/2022	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
1, 2	02/28/2022	03/04/2022	IP 71151	000746	Performance Indicator Verification	
UNIT 1 IN-SERVICE INSPECTION						1
1	03/07/2022	03/11/2022	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
DESIGN BASES ASSURANCE INSPECTION (TEAMS)						6
1, 2	04/25/2022	04/29/2022	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2	05/16/2022	05/20/2022	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
RP PUBLIC RAD SAFETY BASELINE INSPECTION						2
1, 2	06/20/2022	06/24/2022	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	06/20/2022	06/24/2022	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1, 2	06/20/2022	06/24/2022	IP 71151	000746	Performance Indicator Verification	