



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II**
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

March 4, 2015

Mr. William R. Gideon
Vice President
Brunswick Steam Electric Plant
P.O. Box 10429
Southport, NC 28461

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR BRUNSWICK STEAM ELECTRIC PLANT,
UNITS 1 AND 2 - NRC INSPECTION REPORT 05000325/2014001 AND
05000324/2014001**

Dear Mr. Gideon:

On February 11, 2015, the NRC completed its end-of-cycle performance review of the Brunswick Steam Electric Plant, Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2014, through December 31, 2014. 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 determined that overall, Brunswick Steam Electric Plant, Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Brunswick Steam Electric Plant, Units 1 and 2 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, 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 June 30, 2016. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security-related inspections, which will be sent via separate, non-publicly available correspondence.

We also plan on conducting the following infrequently performed inspections and temporary instructions: Operator Licensing Exams; TI 2515/190: Inspection of the Licensee's Proposed Interim Actions as a Result of the Near-Term Task Force Recommendation 2.1 Flooding Evaluation; and TI 2515/191: Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans.

W. Gideon

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In accordance with 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 Agencywide Document Access and Management 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 404-997-4645 with any questions you may have regarding this letter.

Sincerely,

/RA/

George T. Hopper, Chief
Reactor Projects Branch 4
Division of Reactor Projects

Docket Nos.: 50-325, 50-324
License Nos.: DPR-71, DPR-62

Enclosure: Brunswick Inspection/Activity Plan
(03/01/2015 – 06/30/2016)

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W. Gideon

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NAME	D. Jackson	J. Dodson	G. Hopper				
DATE	02/ 13 /2015	03/04/2015	02/20/2015				
E-MAIL COPY?	YES NO	YES NO	YES NO				

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W. Gideon

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Letter to William R. Gideon from George T. Hopper dated March 4, 2015.

SUBJECT: ANNUAL ASSESSMENT LETTER FOR BRUNSWICK STEAM ELECTRIC PLANT,
UNITS 1 AND 2 - NRC INSPECTION REPORT 05000325/2014001 AND
05000324/2014001

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Institute of Nuclear Power Operations (INPO)

Brunswick
Inspection / Activity Plan
03/01/2015 - 06/30/2016

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			ISI - UNIT 2 IN-SERVICE INSPECTION		1
2	03/02/2015	03/06/2015	IP 7111108G	Inservice Inspection Activities - BWR	
			RP - RP OCCUPATIONAL BASELINE WEEK 1		3
1, 2	03/02/2015	03/06/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/02/2015	03/06/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/02/2015	03/06/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/02/2015	03/06/2015	IP 71124.04	Occupational Dose Assessment	
1, 2	03/02/2015	03/06/2015	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	03/02/2015	03/06/2015	IP 71151	Performance Indicator Verification	
			RP - RP OCCUPATIONAL BASELINE WEEK 2		2
1, 2	03/16/2015	03/20/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/16/2015	03/20/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/16/2015	03/20/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/16/2015	03/20/2015	IP 71124.04	Occupational Dose Assessment	
1, 2	03/16/2015	03/20/2015	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	03/16/2015	03/20/2015	IP 71151	Performance Indicator Verification	
			PI&R - PROBLEM IDENTIFICATION AND RESOLUTION		6
1, 2	05/04/2015	05/08/2015	IP 71152B	Problem Identification and Resolution	
1, 2	05/18/2015	05/22/2015	IP 71152B	Problem Identification and Resolution	
			HS - TRIENNIAL HEAT SINK PERFORMANCE		1
1, 2	07/20/2015	07/24/2015	IP 7111107T	Heat Sink Performance	
			EP - EP PROGRAM INSPECTION		4
1, 2	08/17/2015	08/21/2015	IP 7111402	Alert and Notification System Testing	
1, 2	08/17/2015	08/21/2015	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	08/17/2015	08/21/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	08/17/2015	08/21/2015	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	08/17/2015	08/21/2015	IP 71151	Performance Indicator Verification	
			OL EXAM - INITIAL LICENSE EXAM PREP		3
1	11/02/2015	11/06/2015	V23431	BRUNSWICK/NOVEMBER 2015 INITIAL EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL LICENSE EXAM		3
1	11/30/2015	12/11/2015	V23431	BRUNSWICK/NOVEMBER 2015 INITIAL EXAM AT POWER FACILITIES	
			ISI - UNIT 1 IN-SERVICE INSPECTION		1
1	02/22/2016	02/26/2016	IP 7111108G	Inservice Inspection Activities - BWR	

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

Enclosure

Brunswick
Inspection / Activity Plan
03/01/2015 - 06/30/2016

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
RP - RAD HAZARDS AND TRANSPORTATION					2
1, 2	02/22/2016	02/26/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	02/22/2016	02/26/2016	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
OL EXAM - INITIAL LICENSE EXAM PREP					3
1	04/04/2016	04/08/2016	V23464	BRUNSWICK MAY 2016 INITIAL EXAM AT POWER FACILITIES	
OL EXAM - INITIAL LICENSE EXAM					3
1	05/02/2016	05/13/2016	V23464	BRUNSWICK MAY 2016 INITIAL EXAM AT POWER FACILITIES	
RP - RP PUBLIC RAD SAFETY BASELINE					2
1, 2	05/23/2016	05/27/2016	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	05/23/2016	05/27/2016	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	05/23/2016	05/27/2016	IP 71151	Performance Indicator Verification	

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