



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

September 3, 2013

Mr. George T. Hamrick
Site Vice President
Carolina Power and Light Company
Brunswick Steam Electric Plant
8470 River Road SE
Southport, NC 28461-0429

SUBJECT: MID CYCLE ASSESSMENT LETTER FOR BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2 (NRC INSPECTION REPORTS 05000365/2013006 and 05000324/2013006)

Dear Mr. Hamrick:

On August 14, 2013, the NRC staff completed its mid-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 July 1, 2012, through June 30, 2013. 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 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 December 31, 2014. 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 end of 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 several infrequently performed inspections which include: License Renewal Post Approval inspections; and 2515/TI-182, Review of Implementation of the Industry Initiative to Control Degradation of Underground Piping, Phase 2.

G. Hamrick

2

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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 404-997-4645 with any questions you may have regarding this letter.

Sincerely,

/RA/

George T. Hopper, Chief
Division of Reactor Projects

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

Enclosure: Brunswick Inspection/Activity Plan
(09/01/2013 – 12/31/2014)

cc: Distribution via Listserv

G. Hamrick

2

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cc w/Encl: (See page 3)

PUBLICLY AVAILABLE NON-PUBLICLY AVAILABLE SENSITIVE NON-SENSITIVE
ADAMS: X Yes ACCESSION NUMBER: ML13246A059 X SUNSI REVIEW COMPLETE X FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP	RII:DRP				
SIGNATURE	JSD /RA/	GTH /RA/					
NAME	JDodson	GHopper					
DATE	08/23/2013	08/29/2013					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRP\PERIODIC ASSESSMENTS & REPORTS\EOC & MID-CYCLE\2013\MID-CYCLE\INPUT\RPB4\MID-CYCLE LETTERS - FINAL\BRU 2013 MC LETTER R0.DOCX

G. Hamrick

3

Letter to George Hamrick from George Hopper dated September 3, 2013

SUBJECT: MID CYCLE ASSESSMENT LETTER FOR BRUNSWICK STEAM ELECTRIC
PLANT, UNITS 1 AND 2 (NRC INSPECTION REPORTS 05000365/2013006 and
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Distribution w/encl:

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ROP Reports

Brunswick

Inspection / Activity Plan

09/01/2013 - 12/31/2014

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		CDBI	- COMPONENT DESIGN BASES INSPECTION	8
1, 2	09/09/2013 09/13/2013	IP 7111121	Component Design Bases Inspection	
1, 2	09/09/2013 09/13/2013	IP 71153	Followup of Events and Notices of Enforcement Discretion	
1, 2	09/23/2013 09/27/2013	IP 7111121	Component Design Bases Inspection	
1, 2	09/23/2013 09/27/2013	IP 71153	Followup of Events and Notices of Enforcement Discretion	
1, 2	10/07/2013 10/11/2013	IP 7111121	Component Design Bases Inspection	
1, 2	10/07/2013 10/11/2013	IP 71153	Followup of Events and Notices of Enforcement Discretion	
		TI-182	- TI-182 BURIED PIPING/TANK - PHASE 2	1
1, 2	10/15/2013 10/17/2013	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
		RP	- RP PUBLIC RADIATION SAFETY BASELINE	2
1, 2	02/10/2014 02/14/2014	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	02/10/2014 02/14/2014	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	02/10/2014 02/14/2014	IP 71151	Performance Indicator Verification	
		ISI	- UNIT 1 IN-SERVICE INSPECTION	1
1	03/10/2014 03/14/2014	IP 7111108G	Inservice Inspection Activities - BWR	
		LR	- UNIT 1 POST APPROVAL LR PHASE 1	2
1	03/10/2014 03/14/2014	IP 71003	Post-Approval Site Inspection for License Renewal	
		RP	- RAD HAZARDS ANALYSIS AND TRANSPORTATION	2
1, 2	03/10/2014 03/14/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/10/2014 03/14/2014	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	03/10/2014 03/14/2014	IP 71151	Performance Indicator Verification	
		EP	- EXERCISE INSPECTION	1
1, 2	07/21/2014 07/25/2014	IP 7111401	Exercise Evaluation	
1, 2	07/21/2014 07/25/2014	IP 71151	Performance Indicator Verification	
		LR	- POST APPROVAL LR PHASE 2	6
1, 2	08/04/2014 08/08/2014	IP 71003	Post-Approval Site Inspection for License Renewal	
1, 2	08/18/2014 08/22/2014	IP 71003	Post-Approval Site Inspection for License Renewal	
		TFPI	- TRIENNIAL FIRE PROTECTION INSP	4
1, 2	09/08/2014 09/12/2014	IP 7111105T	Fire Protection [Triennial]	
1, 2	09/22/2014 09/26/2014	IP 7111105T	Fire Protection [Triennial]	
		MODS	- PLANT MODIFICATIONS INSPECTION	3
1, 2	10/27/2014 10/31/2014	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	

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

Brunswick

Inspection / Activity Plan

09/01/2013 - 12/31/2014

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
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1, 2	11/17/2014 11/21/2014	MODS - PLANT MODIFICATIONS INSPECTION IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	3
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Comments:

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