



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

March 2, 2005

Carolina Power & Light Company
ATTN: Mr. C. J. Gannon
Vice President
Brunswick Steam Electric Plant
P. O. Box 10429
Southport, NC 28461

SUBJECT: ANNUAL ASSESSMENT LETTER - BRUNSWICK STEAM ELECTRIC PLANT
(NRC INSPECTION REPORT 05000325/2005001 AND 05000324/2005001)

Dear Mr. Gannon:

On February 9, 2005, the NRC staff completed its end-of-cycle plant performance assessment of the Brunswick Steam Electric Plant. The end-of-cycle review for Brunswick involved the participation of the reactor technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2004. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility. This will allow you an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities. This performance review and the enclosed inspection plan do not include physical protection information. A separate end-of-cycle performance review letter, designated and marked as "Exempt from Public Disclosure in accordance with 10 CFR 2.390," will include the physical protection review.

Overall, Brunswick operated in a manner that preserved public health and safety and fully met all cornerstone objectives. The performance of Brunswick Unit 1 for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green).

However, the performance of Brunswick Unit 2 for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within the Regulatory Response Column of the NRC's Action Matrix. As discussed in our Mid-Cycle Performance Review Letter, dated August 30, 2004, this performance was based on a White finding involving the failure to take adequate corrective action for conditions adverse to quality associated with an emergency diesel generator jacket water cooling system. A Supplemental Inspection using NRC Inspection Procedure 95001 was conducted the week of December 10, 2004. The results of this inspection, documented in NRC Inspection Report 05000324/2004009, issued on January 7, 2005, determined that the problem identification, root cause and corrective actions for the White finding were adequate. Also, in accordance with the NRC Action Matrix, a Regulatory Performance Meeting on the White finding was held with the licensee on December 14, 2004. Based on the results of the Supplemental Inspection, we plan to conduct only reactor oversight

ML050610537-pkg
ML050610542-ltr
ML050610552-encl

process (ROP) baseline inspections at your facility through September 30, 2006. We also plan to conduct a non-ROP inspection involving the Brunswick license renewal aging management program.

Also, as discussed in our Mid-Cycle Performance Review Letter, the NRC issued a Notice of Violation (NOV) and Proposed Imposition of Civil Penalty to Carolina Power and Light Company (CP&L) on April 7, 2004. CP&L had discriminated against a corporate site access authorization superintendent, when the individual was terminated from his employment on April 26, 1999, for engaging in a protected activity. Prior to the issuance of the NOV, CP&L provided corrective action on this matter in a letter dated March 19, 2004, and on April 29, 2004, paid the civil penalty.

The enclosed inspection plan details the inspections less those related to physical protection scheduled through September 30, 2006. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the mid-cycle review meeting.

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).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 404-562-4530 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Victor M. McCree, Director
Division of Reactor Projects

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

Enclosure: Brunswick Inspection/Activity Plan

cc w/encl: (See page 3)

cc w/encl:

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Brunswick
Inspection / Activity Plan
03/01/2005 - 09/30/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	MTN-ISI - U1 INSERVICE INSPECTION		2			
1	IP 7111108G	Inservice Inspection Activities - BWR		03/14/2005	03/18/2005	Baseline Inspections
	PS1-RP - RP OCCUPATIONAL WK-1		2			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/14/2005	03/18/2005	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		03/14/2005	03/18/2005	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		03/14/2005	03/18/2005	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		03/14/2005	03/18/2005	Baseline Inspections
	PS1-RP - RP OCCUPATIONAL WK- 2		3			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/28/2005	04/01/2005	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		03/28/2005	04/01/2005	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		03/28/2005	04/01/2005	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		03/28/2005	04/01/2005	Baseline Inspections
	MTN-LR - LICENSE RENEWAL AMP INSPECTION		5			
1,2	IP 71002	License Renewal Inspection		06/06/2005	06/10/2005	License Renewal Insp
	MTN-LR - LICENSE RENEWAL AMP INSPECTION		5			
1,2	IP 71002	License Renewal Inspection		06/20/2005	06/24/2005	License Renewal Insp
	EB1SSDPC - SSDPC PRE-INSPECTION VISIT		2			
1,2	IP 7111121	Safety System Design and Performance Capability		10/10/2005	10/14/2005	Baseline Inspections
	EB1SSDPC - SAFETY SYSTEM DESIGN & PERF. CAPABILITY		5			
1,2	IP 7111121	Safety System Design and Performance Capability		10/31/2005	11/04/2005	Baseline Inspections
1,2	IP 7111121	Safety System Design and Performance Capability		11/14/2005	11/18/2005	Baseline Inspections
	PS EP - EP INSPECTION		1			
1,2	IP 7111402	Alert and Notification System Testing		11/14/2005	11/18/2005	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		11/14/2005	11/18/2005	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		11/14/2005	11/18/2005	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		11/14/2005	11/18/2005	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		11/14/2005	11/18/2005	Baseline Inspections
	PB4-PI&R - PROBLEM IDENTIFICATION & RESOLUTION		3			
1,2	IP 71152B	Identification and Resolution of Problems		11/28/2005	12/02/2005	Baseline Inspections
	PB4-PI&R - PROBLEM IDENTIFICATION & RESOLUTION		3			
1,2	IP 71152B	Identification and Resolution of Problems		12/12/2005	12/16/2005	Baseline Inspections
	MTN-ISI - U2 INSERVICE INSPECTION		1			
2	IP 7111108G	Inservice Inspection Activities - BWR		03/13/2006	03/17/2006	Baseline Inspections
	EB1-MODS - MODIFICATIONS/10CFR50.59		3			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		03/27/2006	03/31/2006	Baseline Inspections

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

Enclosure

Brunswick
Inspection / Activity Plan
03/01/2005 - 09/30/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
EB1-MODS - MODIFICATIONS/10CFR50.59			3			
1,2	IP 7111117B	Permanent Plant Modifications		03/27/2006	03/31/2006	Baseline Inspections
PS1-RP - RADIATION PROTECTION BASELINE PUBLIC			4			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		08/28/2006	09/01/2006	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/28/2006	09/01/2006	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		08/28/2006	09/01/2006	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program		08/28/2006	09/01/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		08/28/2006	09/01/2006	Baseline Inspections