



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

March 2, 2006

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

SUBJECT: ANNUAL ASSESSMENT LETTER - BRUNSWICK STEAM ELECTRIC PLANT
(NRC INSPECTION REPORT 05000325/2006001 AND 05000324/2006001)

Dear Mr. Scarola:

On February 8, 2006, the NRC staff completed its performance review of the Brunswick Steam Electric Plant. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2005 (CY 2005). 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 performance review and enclosed inspection plan do not include physical protection information. A separate letter, designated and marked as "Official Use Only - Security-Related Information", will include the physical protection review and resultant inspection plan.

Overall, Brunswick Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Brunswick Unit 1 performance for the most recent quarter, and Units 1 and 2, for the first three quarters of the assessment cycle, were within the Licensee Response column of the NRC's Action Matrix. We based this conclusion on the fact that all inspection findings were classified as having very low safety significance (Green) and all PIs indicated performance at a level requiring no additional NRC oversight (Green). However, Brunswick Unit 2 performance for the most recent quarter was within the Regulatory Response column of the NRC's Action Matrix. We based this conclusion on the fact that the Unit crossed the threshold from Green to White for the Unplanned Scrams per 7000 Critical Hours PI during the fourth quarter of CY 2005.

On February 17, 2006, we were notified by your staff of the readiness for the NRC to conduct a supplemental inspection to review the actions taken to address the Unit 2 White PI. Therefore, in addition to the reactor oversight process baseline inspections, we plan to conduct a supplemental inspection of Unit 2 activities, using Inspection Procedure 95001, "Inspection for One or Two White Inputs in a Strategic Performance Area", during the week of June 5, 2006.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through September 30, 2007. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and

Pkg - ML060610380
Ltr - ML060610382
Encl - ML060610385

continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the mid-cycle review. Although our intent is to maintain the enclosed inspection plan fixed for the first nine months, a need may arise to conduct one or more unanticipated inspections prior to issuing an updated inspection plan with the CY 2006 mid-cycle assessment letter. If an inspection of this type becomes necessary, we will notify you of the planned inspection dates as soon as possible to resolve as much as we can, any scheduling and personnel availability conflicts you may have.

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 Paul E. Fredrickson at 404-562-4530 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Charles A. Casto, 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
03/01/2006 - 09/30/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	EB3-ISI - U1 INSERVICE INSPECTION		1			
1	IP 7111108G	Inservice Inspection Activities - BWR		03/06/2006	03/10/2006	Baseline Inspections
	EB1-MODS - MODIFICATIONS/10CFR50.59		4			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		04/03/2006	04/07/2006	Baseline Inspections
1,2	IP 7111117B	Permanent Plant Modifications		04/03/2006	04/07/2006	Baseline Inspections
	DRP - SUPPLEMENTAL INSPECTION 95001		1			
2	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		06/05/2006	06/09/2006	Supplemental Program
	PSB1-RP - RP PUBLIC PRE-INSP VISIT		1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		08/07/2006	08/09/2006	Baseline Inspections
	PSB1-RP - RP PUBLIC BASELINE INSPECTION		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 (REMP) And Radioactive Material Control P		08/28/2006	09/01/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		08/28/2006	09/01/2006	Baseline Inspections
	PS2-EP - EP EXERCISE		3			
1,2	IP 7111401	Exercise Evaluation		11/06/2006	11/10/2006	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		11/06/2006	11/10/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		11/06/2006	11/10/2006	Baseline Inspections
	OL RQ - REQUAL INSPECTION		2			
1,2	IP 7111111B	Licensed Operator Requalification Program		11/13/2006	11/17/2006	Baseline Inspections
	EB3-HS - HEAT SINK		1			
1,2	IP 7111107B	Heat Sink Performance		12/04/2006	12/08/2006	Baseline Inspections
	PSB1-RP - RP OCCUPATIONAL PRE-INSP VISIT		1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		02/05/2007	02/07/2007	Baseline Inspections
	EB3-MR - MR EFFECTIVENESS		2			
1,2	IP 7111112B	Maintenance Effectiveness		02/26/2007	03/02/2007	Baseline Inspections
	PSB1-RP - RP OCCUPATIONAL BASELINE INSP- WK1		2			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/05/2007	03/09/2007	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		03/05/2007	03/09/2007	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		03/05/2007	03/09/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		03/05/2007	03/09/2007	Baseline Inspections
	EB3-ISI - U2 INSERVICE INSPECTION		1			
2	IP 7111108G	Inservice Inspection Activities - BWR		03/12/2007	03/16/2007	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
03/01/2006 - 09/30/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	PSB1-RP - RP OCCUPATIONAL OCCUPATIONAL INSP- WK2		3			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/19/2007	03/23/2007	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		03/19/2007	03/23/2007	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		03/19/2007	03/23/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		03/19/2007	03/23/2007	Baseline Inspections
	OL PREP - INITIAL EXAM PREP		4			
1	V23226	BRUNSWICK/NOVEMBER 2004 EXAM AT POWER FACILITIES		06/25/2007	06/29/2007	Not Applicable
	OL EXAM - INITIAL EXAM		4			
1	V23226	BRUNSWICK/NOVEMBER 2004 EXAM AT POWER FACILITIES		07/16/2007	07/27/2007	Not Applicable
	EB1-CDB - COMPONENT DESIGN BASES INSPECTION		6			
1,2	IP 7111121	Component Design Bases Inspection		08/13/2007	08/16/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		08/27/2007	08/31/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		09/10/2007	09/14/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		09/24/2007	09/28/2007	Baseline Inspections
	PSB2 - BASELINE SECURITY INSPECTION		1			
1,2	IP 7113004	Equipment Performance, Testing, and Maintenance		08/20/2007	08/24/2007	Baseline Inspections
1,2	IP 7113007	Security Training		08/20/2007	08/24/2007	Baseline Inspections