



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

August 30, 2005

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

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -
BRUNSWICK STEAM ELECTRIC PLANT

Dear Mr. Gannon:

On August 3, 2005, the NRC staff completed its performance review of the Brunswick Steam Electric Plant for the first half of the calendar year 2005 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. 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 the enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in Accordance with 10 CFR 2.390" will include the physical protection review and a resultant inspection plan.

Plant performance for the most recent quarter 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). Therefore, we plan to conduct only reactor oversight process baseline inspections at your facility through March 31, 2007.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through March 31, 2007. The inspection plan is provided to minimize the resource impact on your staff and 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 continuous nature. The inspections in the last twelve months of the inspection plan are tentative and may be revised at the end-of-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).

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If circumstances arise which cause us to change the 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/

Paul E. Fredrickson, Chief
Reactor Projects Branch 4
Division of Reactor Projects

Docket Nos. 50-325, 50-324
Licensee 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
09/01/2005 - 03/31/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	EB1SSDPC - SSDPC PRE-INSPECTION VISIT		2			
1,2	IP 7111121	Safety System Design and Performance Capability		10/03/2005	10/07/2005	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
	PS2 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
	EB3-ISI - U1 INSERVICE INSPECTION		2			
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		04/03/2006	04/07/2006	Baseline Inspections
1,2	IP 7111117B	Permanent Plant Modifications		04/03/2006	04/07/2006	Baseline Inspections
	PS1-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
	PS1-RP - RP PUBLIC 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

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

Enclosure

Brunswick
Inspection / Activity Plan
09/01/2005 - 03/31/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	EB3-HS - HEAT SINK		1			
1,2	IP 7111107B	Heat Sink Performance		12/04/2006	12/08/2006	Baseline Inspections
	OL PREP - INITIAL EXAM PREP		3			
1	V23226	BRUNSWICK/EXAM AT POWER FACILITIES		01/22/2007	01/26/2007	Not Applicable
	PSB1 - RP OCCUPATIONAL PRE-INSP VISIT		1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		02/05/2007	02/07/2007	Baseline Inspections
	OL EXAM - INITIAL EXAM		3			
1	V23226	BRUNSWICK/EXAM AT POWER FACILITIES		02/12/2007	02/16/2007	Not Applicable
1	V23226	BRUNSWICK/EXAM AT POWER FACILITIES		02/26/2007	03/02/2007	Not Applicable
	EB3-MR - MR EFFECTIVENESS		2			
1,2	IP 7111112B	Maintenance Effectiveness		02/26/2007	03/02/2007	Baseline Inspections
	PSB1 - RP BASELINE INSP- WK1		3			
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
	PSB1 - RP OCCUPATIONAL INSP- WK2		3			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/17/2007	03/23/2007	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		03/17/2007	03/23/2007	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		03/17/2007	03/23/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		03/17/2007	03/23/2007	Baseline Inspections