



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

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

July 14, 2006

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

SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT, NOTIFICATION OF INSPECTION  
AND REQUEST FOR INFORMATION

Dear Mr. Scarola:

On August 28 - September 1, 2006, the NRC will perform the baseline Public Radiation Safety Inspection at Brunswick, (NRC Inspection Procedures 71121.01, 71121.03, 71122.01, 71122.03, and Radiation Safety Sections of 71151). Experience has shown that this inspection is resource intensive both for the NRC inspectors and your staff. In order to minimize the impact to your on-site resources and to ensure a productive inspection, we have enclosed a request for documents needed for this inspection. It is important that all of these documents are up-to-date and complete, in order to minimize the number of additional documents requested during the preparation and/or the onsite portions of the inspection. The lead inspector has scheduled a two-day preinspection visit with your staff for August 7-9, 2006. The material requested will be reviewed and collected at that time.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Mr. Lee Grzeck of your organization. If there are any questions about this inspection or the material requested, please contact the lead inspector, José M. Díaz-Vélez at (404) 562-4736.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be 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).

Sincerely,

/RA/

Robert C. Haag, Chief  
Plant Support Branch 1  
Division of Reactor Safety

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

Enclosure: Occupational Radiation Protection Inspection Document Request

cc w/encl:  
T. P. Cleary, Director  
Site Operations  
Brunswick Steam Electric Plant  
Progress Energy Carolinas, Inc.  
Electronic Mail Distribution

Benjamin C. Waldrep  
Plant Manager  
Brunswick Steam Electric Plant  
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James W. Holt, Manager  
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Edward T. O'Neil, Manager  
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Carolina Power & Light Company  
Brunswick Steam Electric Plant  
Electronic Mail Distribution

(cc w/encl cont'd - See page 3)

(cc w/encl cont'd)

Randy C. Ivey, Manager  
Support Services  
Carolina Power & Light Company  
Brunswick Steam Electric Plant  
Electronic Mail Distribution

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License Renewal  
Progress Energy  
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Chairman of the North Carolina  
Utilities Commission  
c/o Sam Watson, Staff Attorney  
Electronic Mail Distribution

(cc w/encl cont'd - See page 4)

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(cc w/encl cont'd)

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P. O. Box 1525  
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## PUBLIC RADIATION PROTECTION INSPECTION DOCUMENT REQUEST

Preinspection Visit: August 7-9, 2006

Inspection Dates: August 28-September 1, 2006

Inspection Procedures:	IP 71121.01	Access Control To Radiologically Significant Areas
	IP 71121.03	Radiation Monitoring Instrumentation
	IP 71122.01	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems
	IP 71122.03	Radiological Environmental Monitoring Program
	IP 711551	Performance Indicator Verification (Radiation Protection Sections)

**Note:** This is a broad list of the documents the lead NRC inspector will be interested in reviewing and obtaining during the pre-inspection visit. The current version of these documents is expected unless specified otherwise. Electronic media is preferred, if readily available (The preferred file format is Word, WordPerfect, or searchable Adobe Acrobat (.pdf) files on CDROM). Information in the "document lists" should contain enough information to be easily understood by someone who has a knowledge of the subject. The lead inspector will discuss specific information needs with the licensee staff and may request additional documents.

### Miscellaneous

1. Current organization chart for HP, Chemistry, and Environmental/Meteorological groups with contact numbers
2. Corrective action program procedure
3. Reactor Building Elevation maps

### Access Controls

1. Plant maps and/or list of all Locked HRAs and VHRAs.
2. Procedures related to HP/access controls (e.g., posting, labeling, surveys, RWPs, contamination control, airborne controls, dosimetry, multi-dosimetry, key control, control of divers, controls during fuel offload, etc.)
3. List of all non-fuel items stored in spent fuel pools.
4. Internal dose assessments for intakes where dose was assigned since January 30, 2004.
5. Documentation associated with any skin contaminations > 1 Rem SDE, since January 30, 2004.
6. Most recent self-assessment or audit of access control program.
7. List of PIPs related to access controls (including poor radworker or HP tech performance) issued since January 30, 2004.

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### Instrumentation

1. Procedures for source check and calibration of portable instruments and Whole Body Counter
2. Procedures for use and maintenance of respiratory protective equipment
3. All records of grade D air certification for supplied air system and SCBA filling equipment, since January 30, 2004.
4. SCBA training records
  - 4a. Vendor training certificates for all individuals qualified to repair SCBA
  - 4b. List of all licensed operators qualified to use SCBA
  - 4c. List of all maintenance personnel qualified to use SCBA
  - 4d. List of all HP personnel qualified to use SCBA
5. Last two calibration records for the refuel floor area monitors, stack monitors, radwaste area monitors, CHARMS for both units, and the whole body counter
6. Documents that allow elimination of PASS (TS amendment, etc.)
7. List of PIPs since January 30, 2004 in the areas of instrumentation and SCBA
8. Audits or Self-Assessments since January 30, 2004 in the areas of instrumentation and SCBA

### Effluents

1. 2004 & 2005 Annual Effluent Reports
2. Most current ODCM
3. All procedures related to effluent sampling and release
4. All procedures related to countroom QA/QC
5. List of all changes made to liquid and gaseous radioactive waste processing systems since January 30, 2004.
6. Records of instrument calibrations performed since the last inspection for each point of discharge effluent radiation monitor and flow measurement device
7. Calibration records and quality of radiation measurement (i.e., counting room) instrumentation associated with effluent monitoring and release activities
8. Most recent effluent release permits:
  - 8a. Continuous gaseous
  - 8b. Batch gaseous
  - 8c. Continuous liquid
  - 8d. Batch liquid
9. 2005 & 2006 Year-to-date Countroom Interlaboratory Crosscheck Results
10. All calibration records since January 30, 2004 for your HP-Ge detectors
11. List of all out-of-service [OOS] effluent monitors and OOS durations since January 30, 2004.
12. List of PIPs since January 30, 2004 in the area of effluents and effluent monitors
13. Audits and Self-Assessments since January 30, 2004 in the area of effluents and effluent monitors

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### REMP

1. 2004 & 2005 Annual Environmental Radiological Operating Reports
2. Most recent 10 CFR Part 61 Analysis for DAW waste stream
3. 2005 & 2006 Year-to-date Environmental Laboratory Interlab Crosscheck Results
4. Most recent independent audit of Environmental Laboratory
5. Calibration and maintenance records for five (5) air samplers and composite water samplers
6. Results of onsite groundwater monitoring wells since January 30, 2004.
7. Documentation of any radwaste line breaks or leaks, as well as any above ground spills in the site yard area
8. List of PIPs since January 30, 2004 in the areas of radioactive material control, environmental monitoring, tritium control, met tower
9. Audits and Self-Assessments since January 30, 2004 in the areas of radioactive material control, environmental monitoring, tritium control, and met tower

### PI Verification (Public and Occupational Radiation Safety Cornerstones)

1. Procedure for gathering and reporting PI data
2. Monthly PI reports since April 1, 2005
3. List of all PIPs since April 1, 2005 using keywords: HRA, LHRA, VHRA, unintended dose, unlocked door, offsite dose, ODCM, etc. You don't need to duplicate any PIPs from above.
4. List of all dose rate alarms >1R/hr since April 1, 2005.
5. List of all dose alarms since April 1, 2005.
6. All final release point effluent monitor out-of-service dates since April 1, 2005.
7. Most recent gaseous and liquid effluent release permits.
8. 2005 Annual Effluent Report or final release permits for December 2005 showing cumulative doses for calendar year 2005 (if annual report is not available yet).

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Lead Inspector Contact Information:

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