



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

January 5, 2007

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 March 5-9, 2007 and March 19-23, 2007, the NRC will perform the baseline Occupational Radiation Safety Inspection at Brunswick (NRC Inspection Procedures 71121.01, 71121.02, and 71122.02, and radiation safety portions 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 pre-inspection visit with your staff for February 6-8, 2007. 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, Heather Gepford, at (404) 562-4659.

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).

CP&L

2

ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>
(the Public Electronic Reading Room).

Sincerely,

/RA/

Brian Bonser, 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: (See page 3)

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
Carolina Power & Light Company
Electronic Mail Distribution

James W. Holt, Manager
Performance Evaluation and
Regulatory Affairs PEB 7
Carolina Power & Light Company
Electronic Mail Distribution

Edward T. O'Neil, Manager
Training
Carolina Power & Light Company
Brunswick Steam Electric Plant
Electronic Mail Distribution

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

Garry D. Miller, Manager
License Renewal
Progress Energy
Electronic Mail Distribution

Annette H. Pope, Supervisor
Licensing/Regulatory Programs
Carolina Power and Light Company
Electronic Mail Distribution

David T. Conley
Associate General Counsel - Legal Dept.
Progress Energy Service Company, LLC
Electronic Mail Distribution

James Ross
Nuclear Energy Institute
Electronic Mail Distribution

John H. O'Neill, Jr.
Shaw, Pittman, Potts & Trowbridge
2300 N. Street, NW
Washington, DC 20037-1128

Beverly Hall, Chief, Radiation
Protection Section
N. C. Department of Environment
and Natural Resources
Electronic Mail Distribution

Peggy Force
Assistant Attorney General
State of North Carolina
Electronic Mail Distribution

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

Robert P. Gruber
Executive Director
Public Staff NCUC
4326 Mail Service Center
Raleigh, NC 27699-4326

Public Service Commission
State of South Carolina
P. O. Box 11649
Columbia, SC 29211

David R. Sandifer
Brunswick County Board of
Commissioners
P. O. Box 249
Bolivia, NC 28422

Warren Lee
Emergency Management Director
New Hanover County Department of
Emergency Management
P. O. Box 1525
Wilmington, NC 28402-1525

ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Brian Bonser, 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: (See page 3)

Distribution w/encl:

- B. Mozafari, NRR
- R. Franovich, NRR (Regulatory Conferences Only)
- C. Evans (Part 72 Only)
- L. Slack, RII EICS
- RIDSNRRDIRS
- OE Mail (email address if applicable)
- PUBLIC

PUBLICLY AVAILABLE NON-PUBLICLY AVAILABLE SENSITIVE NON-SENSITIVE

ADAMS: Yes ACCESSION NUMBER: _____

OFFICE	RII:DRS	RII:DRP					
SIGNATURE	RA	RA					
NAME	B.Bonser	R. Musser					
DATE	1/5/2007	1/5/2007	1/ /2007	1/ /2007	1/ /2007	1/ /2007	1/ /2007
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

PUBLIC RADIATION PROTECTION INSPECTION DOCUMENT REQUEST

Pre-Inspection Visit: February 6-8, 2007

Inspection Dates: March 5-9, 2007 and March 19-23, 2007

Inspection Procedures: IP 71121.01 Access Control To Radiologically Significant Areas
IP 71121.02 ALARA Planning and Controls
IP 71122.02 Radioactive Material Processing & Transportation
IP 71151 Performance Indicator Verification (Occupational/
Public Radiation Safety Cornerstones)

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).) Information in the following "document list" 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/Radwaste/Shipping with contact numbers.
2. Corrective action program procedure.
3. Outage schedule of major activities (Gantt chart if available).
4. HP Manual.

Access Controls

1. Plant maps of all Locked HRAs and VHRAs.
2. Procedures related to HP/access controls (e.g. posting, labeling, surveys, RWPs, contamination control, dosimetry, multi-dosimetry, key control, control of divers, controls during fuel offload, etc.)
3. List of all non-fuel items stored in spent fuel pool (both units).
4. Internal dose assessments for intakes where dose was assigned since September 2006.
5. Documentation associated with any skin contaminations > 1 rem SDE, since September 2006.
6. Most recent self-assessment or audit of access control program.
7. List of CRs related to access controls (including poor radworker or HP tech performance) issued since September 2006.

ALARA

1. All procedures related to HP/ALARA not listed above (e.g. declared pregnant worker, shielding, ALARA planning, etc.).
2. All procedures related to crudburst & cleanup.
3. ALARA manual (or equivalent high-level procedure).
4. List of top 5 dose jobs for refueling outage and ALARA planning packages if available.

Enclosure

5. Crudburst & cleanup trending point data from previous outage (dose rates and cobalt concentration). Data should be from the same unit as the current outage.
6. Source term reduction program guidance, including cobalt reduction.
7. List of CRs related to ALARA since April 2005.
8. Most recent annual ALARA report, or equivalent.
9. Most recent self-assessment or audit of ALARA program.

Shipping & Radwaste

1. All procedures related to transportation and solid radwaste processing.
2. Current PCP.
3. List of all shipments made since April 2005.
4. List of all changes made to solid and liquid radwaste processing systems since April 2005.
5. List of all permanently abandoned solid and liquid radwaste processing equipment.
6. Last two 10 CFR Part 61 analyses for each waste stream.
7. List of CRs related to shipping or radwaste since April 2005.
8. Most recent self-assessment or audit of Shipping/Radwaste Processing program.

PI Verification (occupational and public radiation safety cornerstones)

1. Procedure for gathering and reporting PI data.
2. List of all CRs since July 2006 using keywords: HRA, LHRA, VHRA, unintended dose, unlocked door, offsite dose, ODCM, etc. Note: you don't need to duplicate any CRs that overlap with access controls.
3. Monthly PI reports since July 2006.
4. List of all dose rate alarms >1R/hr since July 2006.
5. List of all dose alarms since July 2006.
6. All final release point effluent monitor out-of-service dates since July 2006.
7. Most recent gaseous and liquid effluent release permits.
8. 2006 Annual Effluent Report.

Lead Inspector Contact Information:

Heather Gepford, CHP
(404) 562-4659
hcg1@nrc.gov

Mailing Address

US NRC Region II
ATTN: Heather Gepford
61 Forsyth Street, SW
Suite 23T85
Atlanta, GA 30303-3415