



APR 30 2007

10 CFR 50.36a

SERIAL: BSEP 07-0036

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Subject: Brunswick Steam Electric Plant, Unit Nos. 1 and 2
Docket Nos. 50-325 and 50-324/License Nos. DPR-71 and DPR-62
Radioactive Effluent Release Report for 2006

Ladies and Gentlemen:

In accordance with 10 CFR 50.36a and Technical Specification (TS) 5.6.3 for the Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2, Carolina Power & Light Company, now doing business as Progress Energy Carolinas, Inc., is submitting the enclosed Radioactive Effluent Release Report for BSEP Unit Nos. 1 and 2. This report covers the period from January 1, 2006, through December 31, 2006.

TS 5.5.1, "Offsite Dose Calculation Manual (ODCM)," requires changes to the ODCM be submitted as part of or concurrent with the Radioactive Effluent Release Report. Revision 29 to the ODCM was effective on January 30, 2006 and is included as Enclosure 2.

No regulatory commitments are contained in this submittal. Please refer any questions regarding this submittal to Ms. Annette H. Pope, Supervisor - Licensing/Regulatory Programs, at (910) 457-2184.

Sincerely,

A handwritten signature in black ink that reads 'Randy C. Ivey'.

Randy C. Ivey
Manager - Support Services
Brunswick Steam Electric Plant

MAT/mat

Enclosures:

1. Radioactive Effluent Release Report for 2006
2. Offsite Dose Calculation Manual, Revision 29

Progress Energy Carolinas, Inc.
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cc (with enclosures as noted):

U. S. Nuclear Regulatory Commission, Region II
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U. S. Nuclear Regulatory Commission (w/o Enclosure 2)
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U. S. Nuclear Regulatory Commission **(Electronic Copy Only)**
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