



MAR 14 2005

SERIAL: BSEP 05-0039

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
February 2005 Monthly Operating Reports

Ladies and Gentlemen:

In accordance with Technical Specification (TS) 5.6.4 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 Monthly Operating Reports for February 2005. These reports are being submitted to the NRC by the 15th day of the month following the calendar month covered by the report as specified in TS 5.6.4.

No regulatory commitments are contained in this letter. Please refer any questions regarding this submittal to Mr. Leonard R. Beller, Supervisor - Licensing/Regulatory Programs, at (910) 457-2073.

Sincerely,

A handwritten signature in black ink, appearing to read "E. T. O'Neil".

Edward T. O'Neil
Manager - Support Services
Brunswick Steam Electric Plant

WRM/wrm

Enclosures:

1. BSEP, Unit No. 1 Monthly Operating Report February 2005
2. BSEP, Unit No. 2 Monthly Operating Report February 2005

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cc (with enclosures):

U. S. Nuclear Regulatory Commission, Region II
ATTN: Dr. William D. Travers, Regional Administrator
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW, Suite 23T85
Atlanta, GA 30303-8931

U. S. Nuclear Regulatory Commission
ATTN: Mr. Eugene M. DiPaolo, NRC Senior Resident Inspector
8470 River Road
Southport, NC 28461-8869

U. S. Nuclear Regulatory Commission **(Electronic Copy Only)**
ATTN: Ms. Brenda L. Mozafari (Mail Stop OWFN 8G9)
11555 Rockville Pike
Rockville, MD 20852-2738

Ms. Jo A. Sanford
Chair - North Carolina Utilities Commission
P.O. Box 29510
Raleigh, NC 27626-0510

ElectriCities of N.C., Inc.
ATTN: Mr. Cecil Rhodes
P.O. Box 29513
Raleigh, N.C. 27626-0513

**APPENDIX A
OPERATING DATA REPORT**

DOCKET NO. 50-325
UNIT NAME Brunswick Steam Electric Plant, Unit No. 1
DATE March 5, 2005
COMPLETED BY Kester M. Thompson
TELEPHONE (910) 457-2754

REPORTING PERIOD

February 2005

(Month/Year)

	MONTH	YEAR TO DATE	CUMULATIVE
1. Design Electrical Rating: (MWe-Net)	972	N/A	N/A
2. Maximum Dependable Capacity: (MWe-Net)	938	N/A	N/A
3. Number of Hours the Reactor Was Critical:	672	1,416	178,951.9
4. Number of Hours the Generator Was On Line:	672	1,416	174,374.3
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	616,835	1,325,516	132,168,162

**APPENDIX B
 UNIT SHUTDOWNS**

DOCKET NO. 50-325
 UNIT NAME Brunswick Steam Electric Plant, Unit No. 1
 DATE March 5, 2005
 COMPLETED BY Kester M. Thompson
 TELEPHONE (910) 457-2754

REPORTING PERIOD February 2005
 (Month/Year)

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
N/A						Unit No. 1 was not required to shut down during the month of February 2005.

SUMMARY: Normal power operation.

(1) Reason

- A - Equipment Failure (Explain)
- B - Maintenance or Test
- C - Refueling
- D - Regulatory Restriction
- E - Operator Training/License Examination
- F - Administrative
- G - Operational Error (Explain)
- H - Other (Explain)

(2) Method

- 1 - Manual
- 2 - Manual Trip/Scram
- 3 - Automatic Trip/Scram
- 4 - Continuation
- 5 - Other (Explain)

**APPENDIX B
 UNIT SHUTDOWNS**

DOCKET NO. 50-324
 UNIT NAME Brunswick Steam Electric Plant, Unit No. 2
 DATE March 5, 2005
 COMPLETED BY Kester M. Thompson
 TELEPHONE (910) 457-2754

REPORTING PERIOD February 2005

 (Month/Year)

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
N/A						Unit No. 2 was not required to shut down during the month of February 2005.

SUMMARY: Normal power operation

(1) Reason

- A - Equipment Failure (Explain)
- B - Maintenance or Test
- C - Refueling
- D - Regulatory Restriction
- E - Operator Training/License Examination
- F - Administrative
- G - Operational Error (Explain)
- H - Other (Explain)

(2) Method

- 1 - Manual
- 2 - Manual Trip/Scram
- 3 - Automatic Trip/Scram
- 4 - Continuation
- 5 - Other (Explain)