Progress Energy

MAR 1 0 2004

SERIAL: BSEP 04-0041

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 2004 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 2004. 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,

Leonard R. Beller
for

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

WRM/wrm

Enclosures:
1. BSEP, Unit No. 1 Monthly Operating Report February 2004
2. BSEP, Unit No. 2 Monthly Operating Report February 2004

Progress Energy Carolinas, Inc.
Brunswick Nuclear Plant
P.O. Box 10429
Southport, NC 28461

JE24

cc (with enclosures):

U. S. Nuclear Regulatory Commission, Region II
ATTN: Mr. Luis A. Reyes, 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. Roy Donehower
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 9, 2004
COMPLETED BY Kester M. Thompson
TELEPHONE (910) 457-2754

REPORTING PERIOD February 2004

(Month/Year)

	MONTH	YEAR TO DATE	CUMULATIVE
1. Design Electrical Rating: (MWe-Net)	895	N/A	N/A
2. Maximum Dependable Capacity: (MWe-Net)	872	N/A	N/A
3. Number of Hours the Reactor Was Critical:	648	1,392	170,995.4
4. Number of Hours the Generator Was On Line:	648	1,392	166,496.5
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	523,673	1,169,761	124,919,025

Note 1: License Amendment 222 for Unit 1 approved Extended Power Uprate (EPU). This amendment was implemented on June 1, 2002. As a result, the present value for Design Electrical Rating (i.e., net megawatts electric (MWe)) has been revised from 867 MWe to 895 MWe to reflect current equipment limitations and testing activities associated with the first phase of EPU implementation. The Design Electrical Rating value is subject to further revision as EPU testing and implementation activities continue.

Note 2: A new Maximum Dependable Capacity of 872 MWe-Net has been established for Unit 1 effective January 2003. This value is subject to further revision as EPU implementation activities continue.

APPENDIX B
UNIT SHUTDOWNS

DOCKET NO. 50-325
UNIT NAME Brunswick Steam Electric Plant, Unit No. 1
DATE March 9, 2004
COMPLETED BY Kester M. Thompson
TELEPHONE (910) 457-2754

REPORTING PERIOD February 2004

(Month/Year)

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
1	040228	S	48	C	2	Unit No. 1 was shutdown for refueling during the month of February 2004.

SUMMARY:

(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 A
OPERATING DATA REPORT

DOCKET NO.	50-324
UNIT NAME	Brunswick Steam Electric Plant, Unit No. 2
DATE	March 9, 2004
COMPLETED BY	Kester M. Thompson
TELEPHONE	(910) 457-2754

REPORTING PERIOD February 2004

(Month/Year)

	MONTH	YEAR TO DATE	CUMULATIVE
1. Design Electrical Rating: (MWe-Net)	935	N/A	N/A
2. Maximum Dependable Capacity: (MWe-Net)	900	N/A	N/A
3. Number of Hours the Reactor Was Critical:	696	1,440	179,791.6
4. Number of Hours the Generator Was On Line:	696	1,440	173,720.7
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	648,282	1,319,093	125,372,595

Note 1: License Amendment 247 for Unit 2 approved Extended Power Uprate (EPU). This amendment was implemented on March 8, 2003. As a result, the present value for Design Electrical Rating (i.e., net megawatts electric (MWe)) has been revised from 867 MWe to 935 MWe to reflect current equipment limitations and testing activities associated with the first phase of EPU implementation. The Design Electrical Rating value is subject to further revision as EPU testing and implementation activities continue.

Note 2: A new Maximum Dependable Capacity of 900 MWe-Net has been established for Unit 2 effective January 2004. This value is subject to further revision as EPU implementation activities continue.

APPENDIX B
UNIT SHUTDOWNS

DOCKET NO. 50-324
UNIT NAME Brunswick Steam Electric Plant, Unit No. 2
DATE March 9, 2004
COMPLETED BY Kester M. Thompson
TELEPHONE (910) 457-2754

REPORTING PERIOD February 2004

(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 2004.

SUMMARY:

(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)