



John S. Keenan  
Vice President  
Brunswick Nuclear Plant

MAY 09 2002

TS 5.6.4

SERIAL: BSEP 02-0096

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

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62  
APRIL 2002 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 (CP&L) Company is submitting the enclosed Monthly Operating Reports for April 2002. These reports are being submitted to the NRC by the 15th day of the month following the calendar month covered by the reports, as specified in TS 5.6.4.

There are no regulatory commitments being made in this submittal. Please refer questions regarding this submittal to Mr. Leonard R. Beller, Supervisor – Licensing/Regulatory Programs, at (910) 457-2073.

Sincerely,

Edward T. O'Neil  
Manager - Regulatory Affairs  
Brunswick Steam Electric Plant

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Enclosures:

1. BSEP, Unit No. 1 Monthly Operating Report April 2002
2. BSEP, Unit No. 2 Monthly Operating Report April 2002

P.O. Box 10429  
Southport, NC 28461

T > 910.457.2496  
F > 910.457.2803

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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. Theodore A. Easlick, NRC Senior Resident Inspector  
8470 River Road  
Southport, NC 28461-8869

U. S. Nuclear Regulatory Commission  
ATTN: Ms. Brenda L. Mozafari (Mail Stop OWFN 8G9) **(Electronic Copy Only)**  
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: Ms. Linda L. Anderson  
P. O. Box 29513  
Raleigh, NC 27626-0513

ENCLOSURE 1

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 1  
MONTHLY OPERATING REPORT  
APRIL 2002

**APPENDIX A  
OPERATING DATA REPORT**

**DOCKET NO.** 50-325  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 1  
**DATE** May 3, 2002  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** April 2002  
 (Month/Year)

	<b>MONTH</b>	<b>YEAR TO DATE</b>	<b>CUMULATIVE</b>
1. Design Electrical Rating: (MWe-Net)	867	N/A	N/A
2. Maximum Dependable Capacity: (MWe-Net)	820	N/A	N/A
3. Number of Hours the Reactor Was Critical:	719	2,226.6	115,202.6
4. Number of Hours the Generator Was On Line:	719	2,182.2	150,758.8
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	553,139	1,725,405	111,075,501

**APPENDIX B  
UNIT SHUTDOWNS**

**DOCKET NO.** 50-325  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 1  
**DATE** May 3, 2002  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** April 2002  
 (Month/Year)

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
						Unit No. 1 was not required to shut down during the month of April 2002.

**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)

ENCLOSURE 2

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2  
MONTHLY OPERATING REPORT  
APRIL 2002

**APPENDIX A  
OPERATING DATA REPORT**

**DOCKET NO.** 50-324  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 2  
**DATE** May 3, 2002  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** April 2002  
 (Month/Year)

	<b>MONTH</b>	<b>YEAR TO DATE</b>	<b>CUMULATIVE</b>
1. Design Electrical Rating: (MWe-Net)	867	N/A	N/A
2. Maximum Dependable Capacity: (MWe-Net)	811	N/A	N/A
3. Number of Hours the Reactor Was Critical:	584.9	2,744.9	164,414.2
4. Number of Hours the Generator Was On Line:	568.5	2,728.5	158,431.7
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	456,485	2,240,947	112,187,740

**APPENDIX B  
UNIT SHUTDOWNS**

**DOCKET NO.** 50-324  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 2  
**DATE** May 3, 2002  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** April 2002  
**(Month/Year)**

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
1	020419	S	150.5	A	2	Unit No. 2 was shut down during the month of April 2002, to replace two leaking fuel bundles.

**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)