



Carolina Power & Light Company  
P.O. Box 10429  
Southport, NC 28461-0429

APR 13 2000

SERIAL: BSEP 00-0054

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  
MARCH 2000 MONTHLY OPERATING REPORT

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 report of operating statistics and shutdown experience for the month of March 2000. This report is 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. There are no regulatory commitments being made in this submittal.

Please refer any questions regarding this submittal to Mr. Steven F. Tabor, Supervisor - Licensing, at (910) 457-2178.

Sincerely,

Warren J. Dorman  
Manager - Regulatory Affairs  
Brunswick Steam Electric Plant

WRM/wrm

Enclosures:

1. BSEP Unit No. 1 Monthly Operating Report March 2000
2. BSEP Unit No. 2 Monthly Operating Report March 2000

JE24

cc (with enclosures):

U. S. Nuclear Regulatory Commission, Region II  
ATTN: Mr. Luis A. Reyes, Regional Administrator  
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

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

ElectriCities of N. C., Inc.  
ATTN: Mr. Clarence C. Wells  
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  
MARCH 2000 MONTHLY OPERATING REPORT

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 1  
MONTHLY OPERATING REPORT  
MARCH 2000

# **APPENDIX A OPERATING DATA REPORT**

**DOCKET NO.** 50-325  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 1  
**DATE** April 10, 2000  
**COMPLETED BY** Kester Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** March 2000  
**(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:	205	1553	137,616
4. Number of Hours the Generator Was On Line:	175	1522	133,216
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	121,980	1,249,199	96,549,695

## APPENDIX B UNIT SHUTDOWNS

DOCKET NO. 50-325  
 UNIT NAME Brunswick Steam Electric Plant, Unit No. 1  
 DATE April 10, 2000  
 COMPLETED BY Kester Thompson  
 TELEPHONE (910) 457-2754

**REPORTING PERIOD**      March 2000  
 (Month/Year)

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
1	000226	S	569	C	2	Unit No. 1 was shut down February 26, 2000, for refueling and was returned to service on March 24, 2000.

**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  
MARCH 2000 MONTHLY OPERATING REPORT

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2  
MONTHLY OPERATING REPORT  
MARCH 2000

# **APPENDIX A OPERATING DATA REPORT**

**DOCKET NO.** 50-324  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 2  
**DATE** April 10, 2000  
**COMPLETED BY** Kester Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** March 2000  
**(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:	744	2184	147,182
4. Number of Hours the Generator Was On Line:	744	2184	141,275
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	611,790	1,795,809	98,147,168

## APPENDIX B UNIT SHUTDOWNS

DOCKET NO. 50-324  
 UNIT NAME Brunswick Steam Electric Plant, Unit No. 2  
 DATE April 10, 2000  
 COMPLETED BY Kester Thompson  
 TELEPHONE (910) 457-2754

**REPORTING PERIOD**      March 2000  
 (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 March 2000.

### 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)