



Carolina Power & Light Company
P.O. Box 10429
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MAR 13 2000

SERIAL: BSEP 00-0037

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
FEBRUARY 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 February 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 February 2000
2. BSEP Unit No. 2 Monthly Operating Report February 2000

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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
FEBRUARY 2000 MONTHLY OPERATING REPORT

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

**APPENDIX A
OPERATING DATA REPORT**

DOCKET NO. 50-325
UNIT NAME Brunswick Steam Electric Plant, Unit No. 1
DATE March 7, 2000
COMPLETED BY Kester Thompson
TELEPHONE (910) 457-2754

REPORTING PERIOD February 2000
 (Month/Year)

	MONTH	YEAR TO DATE	CUMULATIVE
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:	604	1348	137,411
4. Number of Hours the Generator Was On Line:	603	1347	133,041
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	504,429	1,127,219	96,427,715

**APPENDIX B
UNIT SHUTDOWNS**

DOCKET NO. 50-325
 UNIT NAME Brunswick Steam Electric Plant, Unit No. 1
 DATE March 7, 2000
 COMPLETED BY Kester Thompson
 TELEPHONE (910) 457-2754

REPORTING PERIOD February 2000
(Month/Year)

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
1	2/26/00	S	93	C	2	Unit No. 1 was shut down for refueling and remained shut down through the end of February 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
FEBRUARY 2000 MONTHLY OPERATING REPORT

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

**APPENDIX A
OPERATING DATA REPORT**

DOCKET NO. 50-324
UNIT NAME Brunswick Steam Electric Plant, Unit No. 2
DATE March 7, 2000
COMPLETED BY Kester Thompson
TELEPHONE (910) 457-2754

REPORTING PERIOD February 2000
(Month/Year)

	MONTH	YEAR TO DATE	CUMULATIVE
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:	696	1440	146,438
4. Number of Hours the Generator Was On Line:	696	1440	140,531
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	566,713	1,184,019	97,535,378

**APPENDIX B
UNIT SHUTDOWNS**

DOCKET NO. 50-324
 UNIT NAME Brunswick Steam Electric Plant, Unit No. 2
 DATE March 7, 2000
 COMPLETED BY Kester Thompson
 TELEPHONE (910) 457-2754

REPORTING PERIOD February 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 February 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)