



FEB 11 2002

SERIAL: BSEP 02-0036

U. S. Nuclear Regulatory Commission
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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
JANUARY 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 January 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. Steven F. Tabor, Supervisor – Licensing/Regulatory Programs, at (910) 457-2178.

Sincerely,

Leonard R. Beller
Manager - Regulatory Affairs
Brunswick Steam Electric Plant

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Enclosures:

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

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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

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
JANUARY 2002

APPENDIX A OPERATING DATA REPORT

DOCKET NO. 50-325
UNIT NAME Brunswick Steam Electric Plant, Unit No. 1
DATE February 7, 2002
COMPLETED BY Kester M. Thompson
TELEPHONE (910) 457-2754

REPORTING PERIOD January 2002
(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:	744	744	153,720.0
4. Number of Hours the Generator Was On Line:	744	744	149,320.7
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	621,405	621,405	109,971,501

APPENDIX B UNIT SHUTDOWNS

DOCKET NO. 50-325
UNIT NAME Brunswick Steam Electric Plant, Unit No. 1
DATE February 7, 2002
COMPLETED BY Kester M. Thompson
TELEPHONE (910) 457-2754

REPORTING PERIOD January 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 January 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
JANUARY 2002

**APPENDIX A
OPERATING DATA REPORT**

DOCKET NO. 50-324
UNIT NAME Brunswick Steam Electric Plant, Unit No. 2
DATE February 7, 2002
COMPLETED BY Kester M. Thompson
TELEPHONE (910) 457-2754

REPORTING PERIOD January 2002
(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:	744	744	162,413.3
4. Number of Hours the Generator Was On Line:	744	744	156,447.2
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	612,321	612,321	110,559,114

APPENDIX B UNIT SHUTDOWNS

DOCKET NO. 50-324
UNIT NAME Brunswick Steam Electric Plant, Unit No. 2
DATE February 7, 2002
COMPLETED BY Kester M. Thompson
TELEPHONE (910) 457-2754

REPORTING PERIOD January 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. 2 was not required to shut down during the month of January 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)