



MAR 07 2001

SERIAL: BSEP 01-0030

U. S. Nuclear Regulatory Commission  
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BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62  
FEBRUARY 2001 MONTHLY OPERATING REPORTS

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 February 2001. 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 any questions regarding this submittal to Mr. Leonard R. Beller, Supervisor - Licensing, at (910) 457-2073.

Sincerely,

David C. DiCello  
Manager - Regulatory Affairs  
Brunswick Steam Electric Plant

WRM/wrm

Enclosures:

1. BSEP, Unit No. 1 Monthly Operating Report February 2001
2. BSEP, Unit No. 2 Monthly Operating Report February 2001

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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  
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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. Clarence C. Wells  
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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  
FEBRUARY 2001

**APPENDIX A  
OPERATING DATA REPORT**

**DOCKET NO.** 50-325  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 1  
**DATE** March 5, 2001  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** February 2001  
 (Month/Year)

|   | <b>MONTH</b> | <b>YEAR<br/>TO<br/>DATE</b> | <b>CUMULATIVE</b> |
|---|--------------|-----------------------------|-------------------|
| 1. Design Electrical Rating:<br>(MWe-Net)     | 867          | N/A                         | N/A               |
| 2. Maximum Dependable Capacity:<br>(MWe-Net)  | 820          | N/A                         | N/A               |
| 3. Number of Hours the Reactor Was Critical:  | 672          | 1,416                       | 145,632           |
| 4. Number of Hours the Generator Was On Line: | 672          | 1,416                       | 141,233           |
| 5. Unit Reserve Shutdown Hours:               | 0            | 0                           | 0                 |
| 6. Net Electrical Energy (MWH):               | 560,689      | 1,187,848                   | 103,234,823       |

**APPENDIX B  
UNIT SHUTDOWNS**

**DOCKET NO.** 50-325  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 1  
**DATE** March 5, 2001  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** February 2001  
**(Month/Year)**

| NO. | DATE | TYPE<br>F: FORCED<br>S: SCHEDULED | DURATION<br>(HOURS) | REASON (1) | METHOD OF<br>SHUTTING<br>DOWN (2) | CAUSE/CORRECTIVE ACTIONS<br>COMMENTS  |
|-----|------|-----------------------------------|---------------------|------------|-----------------------------------|---|
| N/A |      |                                   |                     |            |                                   | Unit No. 1 was not required to shut down during the month of February 2001. |

**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  
FEBRUARY 2001

**APPENDIX A  
OPERATING DATA REPORT**

**DOCKET NO.** 50-324  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 2  
**DATE** March 5, 2001  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** February 2001  
**(Month/Year)**

|   | MONTH   | YEAR<br>TO<br>DATE | CUMULATIVE  |
|---|---------|--------------------|-------------|
| 1. Design Electrical Rating:<br>(MWe-Net)     | 867     | N/A                | N/A         |
| 2. Maximum Dependable Capacity:<br>(MWe-Net)  | 811     | N/A                | N/A         |
| 3. Number of Hours the Reactor Was Critical:  | 550.3   | 1,294.3            | 154,934.7   |
| 4. Number of Hours the Generator Was On Line: | 550.3   | 1,294.3            | 149,000.8   |
| 5. Unit Reserve Shutdown Hours:               | 0       | 0                  | 0           |
| 6. Net Electrical Energy (MWH):               | 452,579 | 1,049,510          | 104,455,877 |

**APPENDIX B  
UNIT SHUTDOWNS**

**DOCKET NO.** 50-324  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 2  
**DATE** March 5, 2001  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** February 2001  
**(Month/Year)**

| NO. | DATE    | TYPE<br>F: FORCED<br>S: SCHEDULED | DURATION<br>(HOURS) | REASON (1) | METHOD OF<br>SHUTTING<br>DOWN (2) | CAUSE/CORRECTIVE ACTIONS<br>COMMENTS   |
|-----|---------|-----------------------------------|---------------------|------------|-----------------------------------|--|
| 1   | 2/23/01 | S                                 | 121.7               | C          | 2                                 | Unit No. 2 was shut down for refueling and remained shut down through the end of February 2001. The unit was manually scrammed about two hours earlier than planned due to problems with the electro-hydraulic control system. This event will be further explained in Licensee Event Report 2-01-001, which has not yet been submitted. |

**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)