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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  
OCTOBER 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 October 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 - Support Services  
Brunswick Steam Electric Plant

DRC/drc

- Enclosures: 1. BSEP, Unit No. 1 Monthly Operating Report October 2002  
2. BSEP, Unit No. 2 Monthly Operating Report October 2002

IE24

Document Control Desk  
BSEP 02-0181 Page 2

cc (with enclosures):

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U. S. Nuclear Regulatory Commission  
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Ms. Jo A. Sanford  
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ElectriCities of N. C., Inc.  
ATTN: Mr. Roy Donehower  
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Raleigh, NC 27626-0513

**APPENDIX A  
 OPERATING DATA REPORT**

**DOCKET NO.** 50-325  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 1  
**DATE** November 5, 2002  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

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

	<b>MONTH</b>	<b>YEAR TO DATE</b>	<b>CUMULATIVE</b>
1. Design Electrical Rating: (MWe-Net) – Note 1	895	N/A	N/A
2. Maximum Dependable Capacity: (MWe-Net)	820	N/A	N/A
3. Number of Hours the Reactor Was Critical:	745	6,474.7	159,450.7
4. Number of Hours the Generator Was On Line:	743.2	6,410.6	154,987.3
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	656,111	5,381,837	114,731,933

Note 1: License Amendment 222 for Unit 1 approved Extended Power Uprate (EPU). This amendment was implemented on June 1, 2002. As a result, the present value for Design Electrical Rating (i.e., net megawatts electric (MWe)) has been revised from 867 MWe to 895 MWe to reflect current equipment limitations and testing activities associated with the first phase of EPU implementation. The Design Electrical Rating value is subject to further revision as EPU testing and implementation activities continue.

**APPENDIX B  
 UNIT SHUTDOWNS**

**DOCKET NO.** 50-325  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 1  
**DATE** November 5, 2002  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

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

NO.	DATE	TYPE F. FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
3	020930	F	1.8	A (see comments)	5 (see comments)	Unit No. 1 turbine/generator was taken off-line (while the reactor remained critical) to repair a steam leak in the main steam system.

**SUMMARY:** On September 30, 2002, the turbine/generator was taken off-line to repair a steam leak in the main steam system. Repairs were completed and the generator synchronized to the grid in the early morning of October 1, 2002.

(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)

**APPENDIX A  
OPERATING DATA REPORT**

**DOCKET NO.** 50-324  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 2  
**DATE** November 5, 2002  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** October 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:	745	7,161.9	168,831.2
4. Number of Hours the Generator Was On Line:	745	7,145.5	162,848.7
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	615,920	5,862,579	115,809,372

**APPENDIX B  
 UNIT SHUTDOWNS**

**DOCKET NO.** 50-324  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 2  
**DATE** November 5, 2002  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** October 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 October 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)