



**AUG 14 2003**

**SERIAL: BSEP 03-0124**

✓ **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**  
**JULY 2003 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, Progress Energy Carolinas, Inc. is submitting the enclosed Monthly Operating Reports for July 2003. 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.

Additionally, during the preparation of these reports, an error was discovered in the May 2003 Monthly Operating Report (SERIAL: BSEP 03-0098) dated June 12, 2003. Enclosure 2, Appendix B (i.e., Unit Shutdowns for Unit 2) Line 1, Cause/Corrective Actions Comments incorrectly stated, "Unit No. 2 was shutdown for refueling during the month of May 2003." The comment should have stated, "Unit No. 2 was not required to shut down during the month of May 2003." This change does not impact other information provided in Enclosure 2, Appendix A (i.e., Operating Data Report for Unit 2.)

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,

A handwritten signature in black ink, appearing to read 'ET O'Neil'.

**Edward T. O'Neil**  
**Manager - Support Services**  
**Brunswick Steam Electric Plant**

**DRC/drc**

**Enclosures:**

- 1. BSEP, Unit No. 1 Monthly Operating Report July 2003**
- 2. BSEP, Unit No. 2 Monthly Operating Report July 2003**

**Progress Energy Carolinas, Inc.**  
**Brunswick Nuclear Plant**  
**P.O. Box 10429**  
**Southport, NC 28461**

IE24

Document Control Desk  
BSEP 03-0124 Page 2

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: NRC Resident Inspector  
8470 River Road  
Southport, NC 28461-8869

U. S. Nuclear Regulatory Commission  
ATTN: Ms. Brenda L. Mozafari (Mail Stop OWFN 8G9) (Electronic Copy Only)  
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. Roy Donehower  
P. O. Box 29513  
Raleigh, NC 27626-0513

# **APPENDIX A OPERATING DATA REPORT**

**DOCKET NO.** 50-325  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 1  
**DATE** August 5, 2003  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** July 2003  
 (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) – Note 2	872	N/A	N/A
3. Number of Hours the Reactor Was Critical:	698.1	5,015.7	165,930.4
4. Number of Hours the Generator Was On Line:	675.2	4,980.3	161,431.5
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	579,148	4,439,449	120,486,885

**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.

**Note 2:** A new Maximum Dependable Capacity of 872 MWe-Net has been established for Unit 1 effective January 2003. This value is subject to further revision as EPU implementation activities continue.

## APPENDIX B UNIT SHUTDOWNS

**DOCKET NO.** 50-325  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 1  
**DATE** August 5, 2003  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** July 2003  
(Month/Year)

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
2	030701	F	68.8	A	2	Unit No.1 was shutdown to perform a repair on a Reactor Coolant system valve packing leak in the drywell.

**SUMMARY:** Unit No. 1 was shutdown due to valve leakage in the drywell. Valve 1-B32-F048B had a packing leak which resulted in an increase in drywell leakage of greater than 2 gpm in a 24 hour period.

**(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** August 5, 2003  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** July 2003  
(Month/Year)

	<b>MONTH</b>	<b>YEAR TO DATE</b>	<b>CUMULATIVE</b>
1. Design Electrical Rating: (MWe-Net) – Note 1	935	N/A	N/A
2. Maximum Dependable Capacity: (MWe-Net)	811	N/A	N/A
3. Number of Hours the Reactor Was Critical:	744	4,456.6	174,751.8
4. Number of Hours the Generator Was On Line:	744	4,391.3	168,704.0
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	684,896	3,782,859	120,808,269

Note 1: License Amendment 247 for Unit 2 approved Extended Power Uprate (EPU). This amendment was implemented on March 8, 2003. As a result, the present value for Design Electrical Rating (i.e., net megawatts electric (MWe)) has been revised from 867 MWe to 935 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.** 50-324  
**UNIT NAME** Brunswick Steam Electric Plant, Unit No. 2  
**DATE** August 5, 2003  
**COMPLETED BY** Kester M. Thompson  
**TELEPHONE** (910) 457-2754

**REPORTING PERIOD** July 2003  
(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 July 2003.

**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)