Progress Energy

OCT 1 4 2003

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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
SEPTEMBER 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 September 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.

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 September 2003
2. BSEP, Unit No. 2 Monthly Operating Report September 2003

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

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cc (with enclosures):

U. S. Nuclear Regulatory Commission, Region II
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U. S. Nuclear Regulatory Commission
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U. S. Nuclear Regulatory Commission
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Ms. Jo A. Sanford
Chair - North Carolina Utilities Commission
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ElectriCities of N. C., Inc.
ATTN: Mr. Roy Donehower
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APPENDIX A
OPERATING DATA REPORT

DOCKET NO. 50-325
UNIT NAME Brunswick Steam Electric Plant, Unit No. 1
DATE October 6, 2003
COMPLETED BY Kester M. Thompson
TELEPHONE (910) 457-2754

REPORTING PERIOD September 2003
(Month/Year)

	MONTH	YEAR TO DATE	CUMULATIVE
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:	720	6,479.7	167,394.4
4. Number of Hours the Generator Was On Line:	720	6,444.3	162,895.5
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	638,595	5,736,547	121,783,983

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 October 6, 2003
COMPLETED BY Kester M. Thompson
TELEPHONE (910) 457-2754

REPORTING PERIOD September 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. 1 was not required to shut down during the month of September 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)

APPENDIX A
OPERATING DATA REPORT

DOCKET NO.	50-324
UNIT NAME	Brunswick Steam Electric Plant, Unit No. 2
DATE	October 6, 2003
COMPLETED BY	Kester M. Thompson
TELEPHONE	(910) 457-2754

REPORTING PERIOD September 2003
(Month/Year)

	MONTH	YEAR TO DATE	CUMULATIVE
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:	720	5,920.6	176,215.8
4. Number of Hours the Generator Was On Line:	720	5,855.3	170,168.0
5. Unit Reserve Shutdown Hours:	0	0	0
6. Net Electrical Energy (MWH):	649,230	5,104,222	122,129,632

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 October 6, 2003
COMPLETED BY Kester M. Thompson
TELEPHONE (910) 457-2754

REPORTING PERIOD September 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 September 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)