



Carolina Power & Light Company
P.O. Box 10429
Southport, NC 28461-0429

NOV 14 1997

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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
MONTHLY OPERATING REPORTS

Gentlemen:

In accordance with Technical Specification (TS) 6.9.1.11 for the Brunswick Steam Electric Plant, Unit Nos. 1 and 2, Carolina Power & Light Company is submitting the enclosed reports of operating statistics and shutdown experience for the month of October 1997. As specified in TS 6.9.1.11, these reports are being submitted to the NRC by the 15th day of the month following the calendar month covered by the reports. No regulatory commitments are contained in this letter.

Please refer any questions regarding this submittal to Mr. Warren J. Dorman, Supervisor - Licensing, at (910) 457-2068.

Sincerely,

Keith R. Jury
Manager - Regulatory Affairs
Brunswick Steam Electric Plant

DCH/wrm

9711200250 971031
PDR ADOCK 05000324
R PDR

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IE041/

Enclosures:

1. BSEP Unit No. 1 Monthly Operating Report
2. BSEP Unit No. 2 Monthly Operating Report

cc (with enclosures):

U. S. Nuclear Regulatory Commission, Region II
ATTN: Mr. Luis A. Reyes, Regional Administrator
Atlanta Federal Center
61 Forsyth Street, SW, Suite 23T85
Atlanta, GA 30303

U. S. Nuclear Regulatory Commission
ATTN: Mr. Charles A. Patterson, NRC Senior Resident Inspector
8470 River Road
Southport, NC 28461-8869

U. S. Nuclear Regulatory Commission
ATTN: Mr. David C. Trimble, Jr. (Mail Stop OWFN 14H22)
11555 Rockville Pike
Rockville, MD 20852-2738

The Honorable Jo A. Sanford
Chairman - North Carolina Utilities Commission
PO Box 29510
Raleigh, NC 27626-0510

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
MONTHLY OPERATING REPORTS

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 1
MONTHLY OPERATING REPORT
OCTOBER 1997

OPERATING DATA REPORT

DOCKET NO. 50-325
UNIT NAME Brunswick Steam Electric Plant, Unit No. 1
DATE November 5, 1997
COMPLETED BY Frank Jefferson
TELEPHONE (910) 457-2064

REPORTING PERIOD October 1, 1997 to October 31, 1997
(Month/Year)

	MONTH	YEAR TO DATE	CUMULATIVE
1. Design Electrical Rating: (MWe-Net)	821.0	N/A	N/A
2. Maximum Dependable Capacity: (MWe-Net).	767.0	N/A	N/A
3. Number of Hours the Reactor Was Critical:	745	7,296	118,295.76
4. Number of Hours the Generator Was On Line:	745	7,296	114,138.37
5. Unit Reserve Shutdown Hours:	0.00	0.00	0.00
6. Net Electrical Energy (MWH):	585,678	5,829,880	80,914,750

UNIT SHUTDOWNS

DOCKET NO. 50-325
UNIT NAME Brunswick Steam Electric Plant, Unit No. 1
DATE November 5, 1997
COMPLETED BY Frank Jefferson
TELEPHONE (910) 457-2064

REPORTING PERIOD October 1, 1997 to October 31, 1997
(Month/Year)

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
N/A						No Unit Shutdowns for October 1997

Unit 1 will shut down for a 14-day forced outage on 11/5/97.

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
MONTHLY OPERATING REPORTS

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2
MONTHLY OPERATING REPORT
OCTOBER 1997

OPERATING DATA REPORT

DOCKET NO. 50-324
UNIT NAME Brunswick Steam Electric Plant, Unit No. 2
DATE November 5, 1997
COMPLETED BY Frank Jefferson
TELEPHONE (910) 457-2064

REPORTING PERIOD October 1, 1997 to October 31, 1997
(Month/Year)

	MONTH	YEAR TO DATE	CUMULATIVE
1. Design Electrical Rating: (MWe-Net)	821.0	N/A	N/A
2. Maximum Dependable Capacity: (MWe-Net).	754.0	N/A	N/A
3. Number of Hours the Reactor Was Critical:	317.62	6,440.12	127,231.67
4. Number of Hours the Generator Was On Line:	233.63	6,353.13	121,510.15
5. Unit Reserve Shutdown Hours:	0.00	0.00	0.00
6. Net Electrical Energy (MWH):	155,521	4,833,230	82,070,565

UNIT SHUTDOWNS

DOCKET NO.	50-324
UNIT NAME	Brunswick Steam Electric Plant, Unit No. 2
DATE	November 5, 1997
COMPLETED BY	Frank Jefferson
TELEPHONE	(910) 457-2064

REPORTING PERIOD

October 1 to October 31, 1997

(Month/Year)

NO.	DATE	TYPE	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS
		F: FORCED S: SCHEDULED				COMMENTS
1	10/1/97	S	516.57	C	2	The unit was shut down 9/13/97 for a scheduled refueling outage. The outage ended 10/22/97 @ 12:34 pm.

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)