



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

OCT 10 1996

SERIAL: BSEP 96-0375
FILE: B09-13510C

U. S. Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555

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 REPORT

Gentlemen:

In accordance with Technical Specification 6.9.1.11 for the Brunswick Steam Electric Plant, Units 1 and 2, Carolina Power & Light Company (CP&L) submits the enclosed report of operating statistics and shutdown experience for the month of September 1996. Also in accordance with Technical Specification 6.9.1.11, this report is being submitted to the NRC by the 15th day of the month following the calendar month covered by the report.

Please refer any questions regarding this submittal to Mr. Bill Murray at (910) 457-2842.

Sincerely,

Mark A. Turkal
Supervisor — Licensing
Brunswick Nuclear Plant

WRM/wrm

Enclosures

1. Plant Performance Data System Operating Data Report
2. Unit Shutdown And Power Reduction Report — September 1996
3. Regulatory Commitments

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PDR ADDCK 05000324
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1024

cc: U. S. Nuclear Regulatory Commission
ATTN.: Mr. Stewart D. Ebnetter, Regional Administrator
101 Marietta Street, N.W., Suite2900
Atlanta, GA 303230199

Mr. C. A. Patterson
NRC Senior Resident Inspector - Brunswick Units 1 and 2:

U.S. Nuclear Regulatory Commission
ATTN.: Mr. David C. Trimble, Jr. (Mail Stop OWFN14H22)
11555 Rockville Pike
Rockville, MD 208522738

The Honorable H. Wells
Chairman - North Carolina Utilities Commission
P.O. Box 29510
Raleigh, NC 276260510

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 REPORT

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT

CP&L CO.
RUN DATE 10/03/96
RUN TIME 14:19:10

PLANT PERFORMANCE DATA SYSTEM
APPENDIX B - AVERAGE DAILY POWER LEVEL
BRUNSWICK UNIT 1

PAGE 1
RPD39-000

DOCKET NO. 050-0325
COMPLETED BY FRANCES HARRISON
TELEPHONE (910)457-2756

SEPTEMBER 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	783	17	755
2	782	18	753
3	782	19	752
4	750	20	749
5	4	21	746
6	-11	22	739
7	-11	23	739
8	-10	24	740
9	-14	25	735
10	215	26	732
11	549	27	730
12	687	28	722
13	612	29	720
14	608	30	719
15	756		
16	760		

CP&L CO.
RUN DATE 10/03/96
RUN TIME 14:19:10

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 1

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DOCKET NO. 050-0325
COMPLETED BY FRANCES HARRISON
TELEPHONE (910)457-2756

OPERATING STATUS

- | | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 1 | |
| 2. REPORTING PERIOD: SEPTEMBER 96 | |
| 3. LICENSED THERMAL POWER (MWT): 2436 | |
| 4. NAMEPLATE RATING (GROSS MWE): 867.0 | |
| 5. DESIGN ELECTRICAL RATING (NET MWE): 821.0 | |
| 6. MAX DEPENDABLE CAPACITY (GROSS MWE): 791.0 | |
| 7. MAX DEPENDABLE CAPACITY (NET MWE): 767.0 | |
| 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THRU 7) SINCE LAST REPORT, GIVE REASONS: | |

9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE):
10. REASONS FOR RESTRICTION IF ANY:

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	720.00	6575.00	171287.00
12. NUMBER OF HOURS REACTOR CRITICAL	612.61	6160.92	109553.66
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	597.17	6087.00	105438.17
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1312838.35	14279305.83	233637876.66
17. GROSS ELEC. ENERGY GEN (MWH)	439510.00	4769205.00	76875985.00
18. NET ELEC. ENERGY GENERATED (MWH)	421694.00	4631713.00	74008431.00
19. UNIT SERVICE FACTOR	82.94	92.58	61.55
20. UNIT AVAILABILITY FACTOR	82.94	92.58	61.55
21. UNIT CAP. FACTOR (USING MDC NET)	76.36	91.84	55.17
22. UNIT CAP. FACTOR (USING DER NET)	71.34	85.80	52.63
23. UNIT FORCED OUTAGE RATE	.00	3.21	13.53
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

Refueling Outage 10-5-96 for 35 days

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP:
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

CP&L CO.
RUN DATE 10/03/96
RUN TIME 14:19:10

PLANT PERFORMANCE DATA SYSTEM
APPENDIX B - AVERAGE DAILY POWER LEVEL
BRUNSWICK UNIT 2

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DOCKET NO. 050-0324
COMPLETED BY FRANCES HARRISON
TELEPHONE (910)457-2756

SEPTEMBER 1996

DAY AVG. DAILY POWER LEVEL
(MWE-NET)

1	758
2	758
3	760
4	759
5	72
6	-11
7	-11
8	-8
9	-8
10	-8
11	-11
12	-14
13	142
14	691
15	734
16	775

DAY AVG. DAILY POWER LEVEL
(MWE-NET)

17	773
18	774
19	776
20	776
21	775
22	777
23	777
24	777
25	775
26	773
27	677
28	459
29	459
30	459

CP&L CO.
RUN DATE 10/03/96
RUN TIME 14:19:10

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 2

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DOCKET NO. 050-0324
COMPLETED BY FRANCES HARRISON
TELEPHONE (910)457-2756

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 2	
2. REPORTING PERIOD: SEPTEMBER 96	
3. LICENSED THERMAL POWER (MWT): 2436	
4. NAMEPLATE RATING (GROSS MWE): 867.0	
5. DESIGN ELECTRICAL RATING (NET MWE): 821.0	
6. MAX DEPENDABLE CAPACITY (GROSS MWE): 782.0	
7. MAX DEPENDABLE CAPACITY (NET MWE): 754.0	
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THRU 7) SINCE LAST REPORT, GIVE REASONS:	

9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE):
10. REASONS FOR RESTRICTION IF ANY:

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	720.00	6575.00	183311.00
12. NUMBER OF HOURS REACTOR CRITICAL	567.16	5266.85	118582.55
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	521.98	5070.31	112948.02
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1178885.64	11150803.64	243335809.01
17. GROSS ELEC. ENERGY GEN (MWH)	378465.00	3627605.00	78696326.00
18. NET ELEC. ENERGY GENERATED (MWH)	364405.00	3499795.00	75549012.00
19. UNIT SERVICE FACTOR	72.50	77.11	61.62
20. UNIT AVAILABILITY FACTOR	72.50	77.11	61.62
21. UNIT CAP. FACTOR (USING MDC NET)	67.12	70.60	52.83
22. UNIT CAP. FACTOR (USING DER NET)	61.65	64.83	50.20
23. UNIT FORCED OUTAGE RATE	.00	4.01	10.90
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP:
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

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 REPORT

UNIT SHUTDOWN AND POWER REDUCTION
REPORT — SEPTEMBER 1996

DOCKET NO 050-0325
 UNIT NAME Brunswick I
 DATE October 1996
 COMPLETED BY Frances Harrison
 TELEPHONE 910-457-2756

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH September 1996

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT NO.	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
96-035	960905	S	122 hrs. 50 min.	H	2	NA	ZZ	ZZZZZZ	Outage due to Hurricane Fran
96-037	960916	S	In Progress	H	6	NA	RC	FUELXX	Core Coast down

1. Type

F - Forced
 S - Scheduled

2. 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)

3. Method

1 - Manual
 2 - Manual Scram
 3 - Automatic scram
 4 - Continuations
 5 - Load reductions
 6 - Other

4. System Code

Instructions for preparation
 of data entry sheets for
 Licensee Event Report (LER)
 file from IEEE Standard
 805-1983 per NUREG-1022
 Section VI, Item 13. b

5. Component Code

Instructions for preparation
 of data entry sheets for LER
 file from IEEE Standard
 803A-1983 per NUREG-1022.
 Section VI, Item 13.c

DOCKET NO 050-0324
 UNIT NAME Brunswick II
 DATE October 1996
 COMPLETED BY Frances Harrison
 TELEPHONE 910-457-2756

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH September 1996

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT NO.	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
96-042	960905	S	198 hrs. 1 min.	H	2	NA	ZZ	ZZZZZZ	Outage due to Hurricane Fran
96-044	960915	S	.00	B	5	NA	RC	CONROD	Rod Improvement
96-045	960927	F	IN PROGRESS	A	5	NA	HH	PUMPXX	Red. Pwr to 60% for troubleshooting of 2A RFP due to vibration problems

1. Type

F - Forced
 S - Scheduled

2. 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)

3. Method

1 - Manual
 2 - Manual Scram
 3 - Automatic scram
 4 - Continuations
 5 - Load reductions
 6 - Other

4. System Code

Instructions for preparation
 of data entry sheets for
 Licensee Event Report (LER)
 file from IEEE Standard
 805-1983 per NUREG-1022
 Section VI, Item 13. b

5. Component Code

Instructions for preparation
 of data entry sheets for LER
 file from IEEE Standard
 803A-1983 per NUREG-1022
 Section VI, Item 13. c

ENCLOSURE 3

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
NRC DOCKET NOS. 50-325 AND 50-324
OPERATING LICENSE NOS. DPR-71 AND DPR-62
MONTHLY OPERATING REPORT

LIST OF REGULATORY COMMITMENTS

The following table identifies those actions committed to by Carolina Power & Light Company in this document. Any other actions discussed in the submittal represent intended or planned actions by Carolina Power & Light Company. They are described to the NRC for the NRC's information and are not regulatory commitments. Please notify the Manager-Regulatory Affairs at the Brunswick Nuclear Plant of any questions regarding this document or any associated regulatory commitments.

Commitment	Committed date or outage
1. None	N/A