



Carolina Power & Light Company
P.O. Box 10429
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AUG 13 1996

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

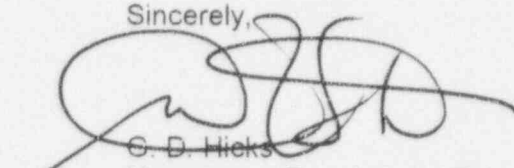
BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62
MONTHLY OPERATING REPORT

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 July 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. Mark Turkal at (910) 457-3066.

Sincerely,



G. D. Hicks
Manager — Regulatory Affairs
Brunswick Nuclear Plant

WRM/wrm

Enclosures

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JE241

9608200044 960731
PDR ADOCK 05000324
R PDR

cc: U. S. Nuclear Regulatory Commission
ATTN.: Mr. Stewart D. Ebnetter, Regional Administrator
101 Marietta Street, N.W., Suite 2900
Atlanta, GA 30323-0199

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 OWFN 14H22)
11555 Rockville Pike
Rockville, MD 20852-2738

The Honorable H. Wells
Chairman - North Carolina Utilities Commission
P.O. 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 REPORT

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT

CP&L CO
RUN DATE 08/03/96
RUN TIME 10:10:48

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

JULY 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	738	17	7
2	784	18	526
3	781	19	690
4	781	20	682
5	772	21	569
6	636	22	744
7	783	23	760
8	786	24	722
9	784	25	678
10	758	26	787
11	1	27	787
12	-12	28	784
13	-11	29	785
14	-9	30	785
15	-9	31	728
16	-9		

CP&L CO
RUN DATE 08/03/96
RUN TIME 10:10:49

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 1

PAGE 1
RPD36-000

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

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 1
2. REPORTING PERIOD: JULY 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:

NOTES

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	744.00	5111.00	169823.00
12. NUMBER OF HOURS REACTOR CRITICAL	602.85	4804.31	108197.05
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	580.52	4745.83	104097.00
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1320994.08	11189547.74	230548118.57
17. GROSS ELEC. ENERGY GEN. (MWH)	437115.00	3739315.00	75846095.00
18. NET ELEC. ENERGY GENERATED (MWH)	422116.00	3637754.00	73014472.00
19. UNIT SERVICE FACTOR	78.03	92.86	61.30
20. UNIT AVAILABILITY FACTOR	78.03	92.86	61.30
21. UNIT CAP. FACTOR (USING MDC NET)	73.97	92.80	54.88
22. UNIT CAP. FACTOR (USING DER NET)	69.11	86.69	52.37
23. UNIT FORCED OUTAGE RATE	.00	4.08	13.68
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 08/03/96
RUN TIME 10:10:48

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

PAGE 2
RPD39-000

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

JULY 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	778	17	65
2	715	18	458
3	722	19	731
4	777	20	750
5	776	21	748
6	778	22	757
7	777	23	757
8	777	24	756
9	776	25	755
10	776	26	582
11	101	27	-15
12	-11	28	53
13	-10	29	645
14	-11	30	704
15	-11	31	621
16	-12		

CP&L CO
RUN DATE 08/03/96
RUN TIME 10:10:49

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 2

PAGE 2
RPD36-000

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

OPERATING STATUS

- | | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 2 | |
| 2. REPORTING PERIOD: JULY 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	744.00	5111.00	181847.00
12. NUMBER OF HOURS REACTOR CRITICAL	585.77	3955.69	117271.39
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	546.80	3804.33	111682.04
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1245540.44	8225843.87	240410849.24
17. GROSS ELEC. ENERGY GEN. (MWH)	400820.00	2689965.00	77758686.00
18. NET ELEC. ENERGY GENERATED (MWH)	385524.00	2593100.00	74642317.00
19. UNIT SERVICE FACTOR	73.49	74.43	61.42
20. UNIT AVAILABILITY FACTOR	73.49	74.43	61.42
21. UNIT CAP. FACTOR (USING MDC NET)	68.72	67.29	52.60
22. UNIT CAP. FACTOR (USING DER NET)	63.12	61.80	50.00
23. UNIT FORCED OUTAGE RATE	7.36	5.27	11.01
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 — JULY 1996

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

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH July 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
96-022	960705	S	.00	B	5	NA	RC	CONROD	Rod Improvement
96-024	960710	S	163 hrs. 29 min	H	2	NA	ZZ	ZZZZZZ	Outage due to Hurricane Bertha
96-026	960720	S	.00	B	5	NA	RC	CONROD	Rod Improvement
96-027	960723	S	.00	B	5	NA	RC	CONROD	Losses due to rod pattern being such that the unit can't attain full rx thermal power
96-028	960724	S	.00	J	5	NA	RC	CONROD	Rod Improvement
96-030	960731	F	.00	H	5	NA	HF	FILTER	75% power due to three out of four CWIPs tripping due to high screen dP

- | | | | | |
|----------------|---|---------------------|---------------------------|--------------------------|
| 1: <u>Type</u> | 2: <u>Reason</u> | 3: <u>Method</u> | 4: <u>System Code</u> | 5: <u>Component Code</u> |
| F - Forced | A - Equipment Failure (explain) | 1 - Manual | Instructions for | Instructions for |
| S - Scheduled | B - Maintenance or test | 2 - Manual Scram | preparation of data entry | preparation of data |
| | C - Refueling | 3 - Automatic scram | sheets for Licensee Event | entry sheets for LER |
| | D - Regulatory restriction | 4 - Continuations | Report (LER) file from | file from IEEE |
| | E - Operator Training & License Examination | 5 - Load reductions | IEEE Standard 805-1983, | Standard 803A 1983, |
| | F - Administrative | 6 - Other | per NUREG-1022. | per NUREG-1022. |
| | G - Operational error (explain) | | Section VI, Item 13.b | Section VI, Item 13.c |
| | H - Other (explain) | | | |

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

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH July 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
96-026	960702	F	00	H	5	NA	ZZ	ZZZZZZ	Red pwr to-700 mwe at dispatcher's request due to tripped Castle Hayne line
96-028	960711	S	153 hrs. 44 min	H	2	NA	ZZ	ZZZZZZ	Outage - Hurricane Bertha.
96-030	960719	F	00	A	5	NA	CH	VALVEX	Losses due to 4A/5A heaters being isolated due to HD-LV-75 problems.
96-032	960726	F	43 hrs. 29 min	A	2	NA	CH	VALVEX	Forced Outage to repair HD-LV-75.
96-034	7/30	F	00	A	5	NA	CB	MOTORX	Red pwr due to 2A recirc pump motor temp high.
96-035	960731	S	00	B	5	NA	RC	CONROD	Rod Improvement.

- | | | | | |
|----------------|---|---------------------|---------------------------|--------------------------|
| 1. <u>Type</u> | 2. <u>Reason</u> | 3. <u>Method</u> | 4. <u>System Code</u> | 5. <u>Component Code</u> |
| F - Forced | A - Equipment Failure (explain) | 1 - Manual | Instructions for | Instructions for |
| S - Scheduled | B - Maintenance or test | 2 - Manual Scram | preparation of data entry | preparation of data |
| | C - Refueling | 3 - Automatic scram | sheets for Licensee Event | entry sheets for LER |
| | D - Regulatory restriction | 4 - Continuations | Report (LER) file from | file from IEEE |
| | E - Operator Training & License Examination | 5 - Load reductions | IEEE Standard 805-1983, | Standard 803A-1983, |
| | F - Administrative | 6 - Other | per NUREG-1022. | per NUREG-1022. |
| | G - Operational error (explain) | | Section VI, Item 13 b | Section VI, Item 13 c |
| | H - Other (explain) | | | |

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