



Carolina Power & Light Company

Brunswick Nuclear Plant  
P. O. Box 10429  
Southport, NC 28461-0429

SEP 07 1994

FILE: B09-13510C  
BSEP/94-0345

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

BRUNSWICK STEAM ELECTRIC PLANT UNITS 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 herewith submits the report of operating statistics and shutdown experience for the month of August 1994.

Very truly yours,

W. Levis, Plant Manager - Unit 1  
Brunswick Nuclear Plant

RHR/mcg  
MSC/93-8524

cc: Mr. S. D. Ebnetter, Regional Administrator, Region II  
Mr. P. D. Milano, NRR Project Manager - Brunswick Units 1 and 2  
Mr. C. A. Patterson, Brunswick NRC Senior Resident Inspector

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RUN DATE 09/06/94  
RUN TIME 15:10:32

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 (919)457-2756

AUGUST 1994

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	784	17	780
2	775	18	779
3	779	19	782
4	776	20	782
5	778	21	783
6	780	22	783
7	783	23	782
8	784	24	784
9	784	25	781
10	782	26	781
11	782	27	780
12	782	28	779
13	782	29	779
14	767	30	779
15	781	31	778
16	781		

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RUN DATE 09/06/94  
RUN TIME 15:10:33

PLANT PERFORMANCE DATA SYSTEM  
OPERATING DATA REPORT  
BRUNSWICK UNIT 1

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DOCKET NO. 050-0325  
COMPLETED BY FRANCES HARRISON  
TELEPHONE (919)457-2756

OPERATING STATUS

- |   | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 1  |       |
| 2. REPORTING PERIOD: AUGUST 94  |       |
| 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	744.00	5831.00	153023.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	5061.00	92942.32
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	744.00	4840.35	89041.72
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1809747.27	11509474.43	194531418.13
17. GROSS ELEC. ENERGY GEN. (MWH)	598990.00	3807755.00	63827040.00
18. NET ELEC. ENERGY GENERATED (MWH)	580563.00	3686230.00	61335179.00
19. UNIT SERVICE FACTOR	100.00	83.01	58.19
20. UNIT AVAILABILITY FACTOR	100.00	83.01	58.19
21. UNIT CAP. FACTOR (USING MDC NET)	101.74	82.42	51.05
22. UNIT CAP. FACTOR (USING DER NET)	95.05	77.00	48.82
23. UNIT FORCED OUTAGE RATE	.00	.23	15.34
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	-----	-----

CP&L CO  
RUN DATE 09/06/94  
RUN TIME 15:10:32

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 (919) 457-2756

AUGUST 1994

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	758	17	756
2	757	18	756
3	755	19	755
4	753	20	756
5	754	21	756
6	757	22	756
7	662	23	757
8	762	24	757
9	762	25	759
10	761	26	758
11	758	27	757
12	758	28	759
13	754	29	758
14	755	30	758
15	756	31	755
16	755		

CP&L CO  
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PLANT PERFORMANCE DATA SYSTEM  
OPERATING DATA REPORT  
BRUNSWICK UNIT 2

PAGE 2  
RPD36-000

DOCKET NO. 050-0324  
COMPLETED BY FRANCES HARRISON  
TELEPHONE (919)457-2756

OPERATING STATUS

- |   | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 2  |       |
| 2. REPORTING PERIOD: AUGUST 94  |       |
| 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	5831.00	165047.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	3620.02	101626.70
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	744.00	3508.26	96188.71
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1796668.88	8274252.07	205171041.82
17. GROSS ELEC. ENERGY GEN. (MWH)	578335.00	2670397.00	66349711.00
18. NET ELEC. ENERGY GENERATED (MWH)	560905.00	2576329.00	63600382.00
19. UNIT SERVICE FACTOR	100.00	60.17	58.28
20. UNIT AVAILABILITY FACTOR	100.00	60.17	58.28
21. UNIT CAP. FACTOR (USING MDC NET)	99.99	58.60	49.21
22. UNIT CAP. FACTOR (USING DER NET)	91.83	53.82	46.94
23. UNIT FORCED OUTAGE RATE	.00	.00	12.40
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	-----	-----