



Carolina Power & Light Company

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

AUG 10 1994

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BSEP/94-0303

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 July 1994.

Very truly yours,

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

RHR/emr  
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

100075

9408190215 940731  
PDR ADOCK 05000324  
R PDR

CP&L CO  
RUN DATE 08/03/94  
RUN TIME 13:07:43

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

JULY 1994

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	783	17	738
2	784	18	778
3	783	19	777
4	782	20	780
5	782	21	779
6	511	22	781
7	541	23	780
8	721	24	780
9	779	25	779
10	778	26	779
11	777	27	780
12	777	28	781
13	777	29	784
14	775	30	784
15	764	31	783
16	559		

CP&L CO  
RUN DATE 08/03/94  
RUN TIME 13:07:44

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: JULY 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	5087.00	152279.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	4317.00	92198.32
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	744.00	4096.35	88297.72
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1754522.18	9699727.16	192721670.86
17. GROSS ELEC. ENERGY GEN. (MWH)	577840.00	3208765.00	63228050.00
18. NET ELEC. ENERGY GENERATED (MWH)	560068.00	3105667.00	60754616.00
19. UNIT SERVICE FACTOR	100.00	80.53	57.98
20. UNIT AVAILABILITY FACTOR	100.00	80.53	57.98
21. UNIT CAP. FACTOR (USING MDC NET)	98.15	79.60	50.81
22. UNIT CAP. FACTOR (USING DER NET)	91.69	74.36	48.60
23. UNIT FORCED OUTAGE RATE	.00	.27	15.45
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	-----	-----

DOCKET NO. 050-0325  
 UNIT NAME Brunswick 1  
 DATE August 1994  
 COMPLETED BY Frances Harrison  
 TELEPHONE 910-457-2756

UNIT SHUTDOWNS AND POWER REDUCTIONS  
 REPORT MONTH July 1994

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
94-035	940706	S	0	B	5	N/A	AA	ROD	Power reduction for deep/shallow Control Rod Exchange
94-037	940715	S	0	B	5	N/A	AA	ROD	Rod Improvements

1: Type F - Forced S - Scheduled 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)

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)

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

4: System Code Instruction 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

CP&L CO  
RUN DATE 08/03/94  
RUN TIME 13:07:43

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

JULY 1994

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	192	17	751
2	330	18	753
3	447	19	753
4	563	20	754
5	669	21	755
6	753	22	754
7	755	23	754
8	756	24	755
9	757	25	755
10	460	26	755
11	754	27	757
12	755	28	758
13	756	29	758
14	754	30	757
15	754	31	759
16	754		

CP&L CO  
RUN DATE 08 94  
RUN TIME 13 44

PLANT PERFORMANCE DATA SYSTEM  
OPERATING DATA REPORT  
BRUNSWICK UNIT 2

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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: JULY 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	5087.00	164303.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	2876.02	100882.70
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	742.83	2764.26	95444.71
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1674473.27	6477583.19	203374372.94
17. GROSS ELEC. ENERGY GEN. (MWH)	534130.00	2092062.00	65771376.00
18. NET ELEC. ENERGY GENERATED (MWH)	516924.00	2015424.00	63039477.00
19. UNIT SERVICE FACTOR	99.84	54.34	58.09
20. UNIT AVAILABILITY FACTOR	99.84	54.34	58.09
21. UNIT CAP. FACTOR (USING MDC NET)	92.15	52.55	48.99
22. UNIT CAP. FACTOR (USING DER NET)	84.63	48.26	46.73
23. UNIT FORCED OUTAGE RATE	.00	.00	12.48
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

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INITIAL ELECTRICITY

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COMMERCIAL OPERATION

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DOCKET NO. 050-0325  
 UNIT NAME Brunswick 2  
 DATE August 1994  
 COMPLETED BY Frances Harrison  
 TELEPHONE 910-457-2756

UNIT SHUTDOWNS AND POWER REDUCTIONS  
 REPORT MONTH July 1994

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
94-019	940701	S	1.17	B	N/A	N/A	JJ	TG	Turbine Overspeed Trip Test
94-021	940710	S	0	B	5	N/A	AD	MG	Planned Maintenance Activities (MG Set Flexible Coupling was slinging, grease at bolted connection). Secured MG Set to Torque Bolts against gasket. Completed Repair.

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)
3. Method:  
 1 - Manual  
 2 - Automatic  
 3 - Manual Scram  
 4 - Automatic Scram  
 5 - Load reductions  
 6 - Other
4. System Code:  
 Instruction 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