



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

OCT 10 1994

FILE: B09-13510C
BSEP/94-0409

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 September 1994.

Very truly yours,

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

RHR/mcg
MSC/93-8524

cc: Mr. S. D. Ebner, 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
The Honorable H. Wells, Chairman - North Carolina Utilities Commission
File B-X-0520.2

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R PDR

IF24
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DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE October 1994
 COMPLETED BY Frances Harrison
 TELEPHONE 910-457-2756

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH September 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
94-032	940994	S	0	B	5	N/A	SD	COND	Reduced power to 60% to isolate B-S water box due to clogging of debris filter with grassaloria and hydrogen. Completed scheduled work to clean filter satisfactorily.

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:
 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 10/03/94
RUN TIME 15:36:52

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

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

SEPTEMBER 1994

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	779	17	785
2	780	18	786
3	783	19	787
4	783	20	789
5	784	21	788
6	786	22	788
7	784	23	788
8	782	24	788
9	783	25	787
10	783	26	787
11	775	27	786
12	785	28	788
13	786	29	788
14	785	30	789
15	786		
16	785		

CP&L CO
RUN DATE 10/03/94
RUN TIME 15:36:53

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: SEPTEMBER 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	CUMULATIVE
11. HOURS IN REPORTING PERIOD	720.00	6551.00	153743.00
12. NUMBER OF HOURS REACTOR CRITICAL	720.00	5781.00	93662.32
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	720.00	5560.35	89761.72
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1752253.78	13261728.21	196283671.91
17. GROSS ELEC. ENERGY GEN. (MWH)	583915.00	4391670.00	64410955.00
18. NET ELEC. ENERGY GENERATED (MWH)	565189.00	4251419.00	61900368.00
19. UNIT SERVICE FACTOR	100.00	84.88	58.38
20. UNIT AVAILABILITY FACTOR	100.00	84.88	58.38
21. UNIT CAP. FACTOR (USING MDC NET)	102.34	84.61	51.28
22. UNIT CAP. FACTOR (USING DER NET)	95.61	79.05	49.04
23. UNIT FORCED OUTAGE RATE	.00	.20	15.24
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 10/03/94
RUN TIME 15:36:52

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

SEPTEMBER 1994

DAY AVG. DAILY POWER LEVEL
(MWE-NET)

DAY AVG. DAILY POWER LEVEL
(MWE-NET)

1	754
2	753
3	758
4	762
5	763
6	764
7	763
8	761
9	751
10	491
11	763
12	763
13	763
14	763
15	763
16	762

17	762
18	763
19	764
20	763
21	766
22	767
23	767
24	766
25	766
26	767
27	766
28	766
29	766
30	766

CP&L CO
RUN DATE 10/03/94
RUN TIME 15 36:53

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: SEPTEMBER 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	CUMULATIVE
11. HOURS IN REPORTING PERIOD	720.00	6551.00	165767.00
12. NUMBER OF HOURS REACTOR CRITICAL	720.00	4340.02	102346.70
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	720.00	4228.26	96908.71
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1733498.52	10007750.59	206904540.34
17. GROSS ELEC. ENERGY GEN. (MWH)	559610.00	3230007.00	66909321.00
18. NET ELEC. ENERGY GENERATED (MWH)	542664.00	3118993.00	64143046.00
19. UNIT SERVICE FACTOR	100.00	64.54	58.46
20. UNIT AVAILABILITY FACTOR	100.00	64.54	58.46
21. UNIT CAP. FACTOR (USING MDC NET)	99.96	63.14	49.43
22. UNIT CAP. FACTOR (USING DER NET)	91.80	57.99	47.13
23. UNIT FORCED OUTAGE RATE	.00	.00	12.32
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