



Carolina Power & Light Company

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

DATE **APR 17 1996**

SERIAL: BSEP 96-0146  
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 herewith submits the report of operating statistics and shutdown experience for the month of March 1996.

Please refer any questions regarding this submittal to Ms. Frances Harrison at (910) 457-2756.

Sincerely,

R. P. Lopriore  
Plant General Manager  
Brunswick Nuclear Plant

FH/jwf  
MSC/93-8524

Enclosures

cc: Mr. S. D. Ebner, Regional Administrator, Region II  
Mr. D. C. Trimble, Jr., NRR Project Manager - Brunswick Units 1 and 2  
Mr. C. A. Patterson, NRC Senior Resident Inspector - Brunswick Units 1 and 2  
The Honorable H. Wells, Chairman - North Carolina Utilities Commission

240074

9604240203 960331  
PDR ADOCK 05000324  
R PDR

IE24  
111

ENCLOSURE 1  
BRUNSWICK STEAM ELECTRIC PLANT, UNITS NOS. 1 AND 2  
DOCKET NOS. 50-325 & 50-324  
LICENSE NOS. DPR-71 & DPR-62

PLANT PERFORMANCE DATA SYSTEM  
OPERATING DATA REPORT

CP&L CO  
RUN DATE 04/03/96  
RUN TIME 12:53:34

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

MARCH 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	800	17	773
2	793	18	16
3	802	19	-7
4	803	20	-6
5	802	21	-5
6	801	22	-9
7	800	23	-11
8	801	24	55
9	801	25	211
10	802	26	566
11	802	27	733
12	803	28	773
13	802	29	802
14	802	30	803
15	802	31	803
16	802		

CP&L CO  
RUN DATE 04/03/96  
RUN TIME 12:53:35

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

- |   | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 1  |       |
| 2. REPORTING PERIOD: MARCH 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	744.00	2184.00	166896.00
12. NUMBER OF HOURS REACTOR CRITICAL	607.94	2018.46	105411.20
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	588.28	1982.31	101333.48
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1369583.51	4635651.49	223994222.32
17. GROSS ELEC. ENERGY GEN. (MWH)	453580.00	1547620.00	73654400.00
18. NET ELEC. ENERGY GENERATED (MWH)	439518.00	1507578.00	70884296.00
19. UNIT SERVICE FACTOR	79.07	90.77	60.72
20. UNIT AVAILABILITY FACTOR	79.07	90.77	60.72
21. UNIT CAP. FACTOR (USING MDC NET)	77.02	90.00	54.20
22. UNIT CAP. FACTOR (USING DER NET)	71.95	84.08	51.73
23. UNIT FORCED OUTAGE RATE	20.93	9.23	14.00
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 '04/03/96  
RUN TIME 12:53:34

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

MARCH 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-5	17	362
2	-5	18	-14
3	-6	19	-13
4	-6	20	-13
5	-6	21	-14
6	-5	22	93
7	-6	23	456
8	-6	24	617
9	-11	25	696
10	-13	26	760
11	-14	27	790
12	-16	28	791
13	32	29	790
14	-7	30	790
15	222	31	745
16	265		

CP&L CO  
RUN DATE 04/03/96  
RUN TIME 12:53:35

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: MARCH 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	2184.00	178920.00
12. NUMBER OF HOURS REACTOR CRITICAL	395.29	1186.92	114502.62
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	306.18	1097.81	108975.52
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	576425.81	1750792.18	233935797.55
17. GROSS ELEC. ENERGY GEN. (MWH)	184350.00	565940.00	75634661.00
18. NET ELEC. ENERGY GENERATED (MWH)	173987.00	534275.00	72583492.00
19. UNIT SERVICE FACTOR	41.15	50.27	60.91
20. UNIT AVAILABILITY FACTOR	41.15	50.27	60.91
21. UNIT CAP. FACTOR (USING MDC NET)	31.02	32.44	51.96
22. UNIT CAP. FACTOR (USING DER NET)	28.48	29.80	49.41
23. UNIT FORCED OUTAGE RATE	32.11	11.65	11.21
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 2  
DOCKET NOS. 50-325 & 50-324  
LICENSE NOS. DPR-71 & DPR-62

UNIT SHUTDOWN AND POWER REDUCTION  
REPORT - MARCH 1996

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

UNIT SHUTDOWNS AND POWER REDUCTIONS  
 REPORT MONTH March 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
96-013	960318 thru 960324	F	155 hrs. 43 min.	A	2	1-96-03	WA	PUMPXX	Forced Outage due SW Pumps problems. Shutdown by manual scram.

- 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 April 1996  
COMPLETED BY Frances Harrison  
TELEPHONE 910-457-2756

UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT MONTH March 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
96-006	960202-thru 960313	S	951 hrs. 05 min.	C	2	NA	RC	FUELXX	Refueling Outage Completed.
96-009	960313 thru 960314	F	32 hrs. 16 min.	A	2	NA	HB	XXXXXX	Outage extended due to MSR Manway leaks. Unit was off line because of the Turbine Overspeed Trip Test. Manual scram was inserted to shut unit down.
96-011	960316	F	00	A	5	NA	RC	INSTRU	Rx power held at 35% due to TIP problems.
96-013	960317 thru 960322	F	112 hrs. 32 min.	A	2	NA	WA	PUMPXX	Manual scram due to SW pumps problems.
96-016	960331	F	00	A	5	NA	HB	XXXXXX	Forced Outage due SW Pumps problems. Shutdown by manual scram.

- 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, UNITS 1 AND 2  
NRC DOCKET NO'S. 50-325 & 50-324  
OPERATING LICENSE NOS. DPR-71 & DPR-62

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	