



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

September 13, 1996

SERIAL: BSEP 96-0330  
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 (CP&L) submits the enclosed report of operating statistics and shutdown experience for the month of August 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

1. Plant Performance Data System Operating Data Report
2. Unit Shutdown and Power Reduction Report — August 1996
3. Regulatory Commitments

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PDR ADDCK 05000324  
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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 09/10/96  
RUN TIME 16:03:48

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

AUGUST 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	783	17	785
2	784	18	784
3	784	19	785
4	785	20	784
5	785	21	785
6	784	22	785
7	784	23	784
8	785	24	780
9	786	25	774
10	581	26	774
11	756	27	772
12	787	28	771
13	787	29	768
14	787	30	613
15	786	31	773
16	785		

CP&L CO  
RUN DATE 09/10/96  
RUN TIME 16:03:48

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: AUGUST 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	5855.00	170567.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	5548.31	108941.05
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	744.00	5489.83	104841.00
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1776919.74	12966467.48	232325038.31
17. GROSS ELEC. ENERGY GEN. (MWH)	590380.00	4329695.00	76436475.00
18. NET ELEC. ENERGY GENERATED (MWH)	572265.00	4210019.00	73586737.00
19. UNIT SERVICE FACTOR	100.00	93.76	61.47
20. UNIT AVAILABILITY FACTOR	100.00	93.76	61.47
21. UNIT CAP. FACTOR (USING MDC NET)	100.28	93.75	55.08
22. UNIT CAP. FACTOR (USING DER NET)	93.69	87.58	52.55
23. UNIT FORCED OUTAGE RATE	.00	3.54	13.60
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 09/10/96  
RUN TIME 16:03:48

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

AUGUST 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	768	17	755
2	767	18	753
3	768	19	752
4	769	20	751
5	767	21	752
6	752	22	750
7	767	23	721
8	765	24	412
9	763	25	476
10	764	26	652
11	761	27	702
12	762	28	728
13	760	29	664
14	762	30	757
15	760	31	758
16	758		

CP&L CO  
RUN DATE 09/10/96  
RUN TIME 16:03:48

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: AUGUST 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	5855.00	182591.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	4699.69	118015.39
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	744.00	4548.33	112426.04
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1746074.13	9971918.00	242156923.37
17. GROSS ELEC. ENERGY GEN. (MWH)	559175.00	3249140.00	78317861.00
18. NET ELEC. ENERGY GENERATED (MWH)	542290.00	3135390.00	75184607.00
19. UNIT SERVICE FACTOR	100.00	77.68	61.57
20. UNIT AVAILABILITY FACTOR	100.00	77.68	61.57
21. UNIT CAP. FACTOR (USING MDC NET)	96.67	71.02	52.78
22. UNIT CAP. FACTOR (USING DER NET)	88.78	65.23	50.15
23. UNIT FORCED OUTAGE RATE	.00	4.44	10.95
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 — AUGUST 1996



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

UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT MONTH August 1996

NO.	DATE	TYP E (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT NO.	SYSTEM CODE (4)	COMPONEN T CODE (5)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
96-031	960809	S	.00	B	5	NA	RC	CONROD	65% power for Rod Improvement and miscellaneous hot side work
96-032	960822	S	In Progress	C	5	NA	RC	FUELXX	Core Coast down
96-033	960830	S	.00	B	5	NA	CC	VALVEX	60% power for valve testing and CRD testing implement feedwater temperature

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

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

UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT MONTH August 1996

NO.	DATE	TYP E (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT NO.	SYSTEM CODE (4)	COMPONEN T CODE (5)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
96-036	960806	F	.00	A	5	NA	EG	TRANSF	Main transformer "A" winding temperature hi
96-037	960823	S	.00	B	5	NA	HG	FILTER	Down power to 65% for CW debris filter work
96-038	960825	F	.00	A	5	NA	CH	VALVEX	5A FWH relief valve stuck open
96-039	960827	F	.00	A	5	NA	CB	MOTORX	Loss of MCC 2 TG
96-040	960829	S	.00	B	5	NA	RC	CONROD	Rod improvement and valve testing

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

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