



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

DEC 12 1996

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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 November 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. William Murray at (910) 457-2842.

Sincerely,

Mark A. Turkal
Supervisor — Licensing
Brunswick Nuclear Plant

WRM/wrm

Enclosures

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

9612180168 961130
PDR ADOCK 05000324
R PDR

170084

2524
11

cc: U. S. Nuclear Regulatory Commission
ATTN.: Mr. Stewart D. Ebnetter, Regional Administrator
101 Marietta Street, N.W., Suite2900
Atlanta, GA 303230199

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 OWFN14H22)
11555 Rockville Pike
Rockville, MD 208522738

The Honorable H. Wells
Chairman - North Carolina Utilities Commission
P.O. Box 29510
Raleigh, NC 276260510

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 12/09/96
RUN TIME 13:18:52

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

NOVEMBER 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-7	17	816
2	-7	18	815
3	-7	19	814
4	-10	20	814
5	-13	21	814
6	-14	22	815
7	47	23	802
8	244	24	784
9	353	25	815
10	497	26	815
11	683	27	816
12	801	28	817
13	541	29	817
14	756	30	816
15	813		
16	816		

CP&L CO.
RUN DATE 12/12/96
RUN TIME 11:02:18

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: NOVEMBER 96 | |
| 3. LICENSED THERMAL POWER (MWT): 2558 | |
| 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: | |

Item 3 has been uprated from 2436 to 2558, power uprating.

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	720.00	8040.00	172752.00
12. NUMBER OF HOURS REACTOR CRITICAL	600.95	6863.02	110255.76
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	559.05	6747.20	106098.37
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1235151.79	16447917.49	246792426.62
17. GROSS ELEC. ENERGY GEN (MWH)	417240.00	5252840.00	77359620.00
18. NET ELEC. ENERGY GENERATED (MWH)	404693.00	5100580.00	74477298.00
19. UNIT SERVICE FACTOR	77.65	83.92	61.42
20. UNIT AVAILABILITY FACTOR	77.65	83.92	61.42
21. UNIT CAP. FACTOR (USING MDC NET)	73.28	82.71	55.05
22. UNIT CAP. FACTOR (USING DER NET)	68.46	77.27	52.51
23. UNIT FORCED OUTAGE RATE	.00	2.90	13.46
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 12/09/96
RUN TIME 13:18:52

PLANT PERFORMANCE DATA SYSTEM
APPENDIX B - AVERAGE DAILY POWER LEVEL
BRUNSWICK UNIT 2

PAGE 2
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DOCKET NO. 050-0324
COMPLETED BY FRANCES HARRISON
TELEPHONE (910)457-2756

NOVEMBER 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	773	17	780
2	772	18	780
3	766	19	781
4	780	20	779
5	779	21	778
6	776	22	777
7	774	23	779
8	771	24	778
9	774	25	776
10	776	26	774
11	777	27	775
12	778	28	776
13	779	29	777
14	780	30	776
15	780		
16	780		

CP&L CO
RUN DATE 12/09/96
RUN TIME 13:18:52

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 2

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OPERATING STATUS

DOCKET NO. 050-0324
COMPLETED BY FRANCES HARRISON
TELEPHONE (910)457-2756

1. UNIT NAME: BRUNSWICK UNIT 2
2. REPORTING PERIOD: NOVEMBER 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:

NOTES

9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE):
10. REASONS FOR RESTRICTION IF ANY:

	THIS MONTH	YR TO DATE	CUMUL ATIVE
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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 — NOVEMBER 1996

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

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH November 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
96-042	961005- 961107	S	802 hrs 31 min	C	2	NA	RC	FUELXX	Refueling Outage completed
96-043	961107	S	2 hrs 17 min	C	2	NA	HA	TURBIN	Turbine Overspeed Trip Test
96-044	961123	S	.00	B	5	NA	RC	CONROD	Reduced power to 70% for rod improvement and bypass valve testing.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH November 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
96-048	961103	S	.00	B	5	NA	RC	CONROD	Reduced power for rod improvement and TSV testing.

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 803A-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, 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