



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

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United States 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 Nuclear Plant, Units 1 and 2, Carolina Power & Light Company herewith submits the report of operating statistics and shutdown experience for the month of January 1996.

If you have any questions regarding this report, please contact Ms. Frances Harrison at (910) 457-2756.

Very truly yours,

R. Lopriore
Plant Manager
Brunswick Nuclear Plant

FH/mcg
MSC/93-8524
Enclosures

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

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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 02/02/96
RUN TIME 12:50:21

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

JANUARY 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	807	17	806
2	806	18	806
3	806	19	788
4	806	20	659
5	807	21	804
6	806	22	645
7	807	23	97
8	808	24	-12
9	808	25	162
10	808	26	251
11	807	27	244
12	808	28	669
13	808	29	785
14	807	30	751
15	807	31	804
16	807		

CP&L CO.
RUN DATE 02/07/96
RUN TIME 07:18:01

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

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

NOTES

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.00	744.00	165456.00
12. NUMBER OF HOURS REACTOR CRITICAL	714.52	714.52	104107.26
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	698.03	698.03	100049.20
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1571372.01	1571372.01	220929942.84
17. GROSS ELEC. ENERGY GEN (MWH)	520710.00	520710.00	72627490.00
18. NET ELEC. ENERGY GENERATED (MWH)	508154.00	508154.00	69884872.00
19. UNIT SERVICE FACTOR	93.82	93.82	60.47
20. UNIT AVAILABILITY FACTOR	93.82	93.82	60.47
21. UNIT CAP. FACTOR (USING MDC NET)	89.05	89.05	53.89
22. UNIT CAP. FACTOR (USING DER NET)	83.19	83.19	51.45
23. UNIT FORCED OUTAGE RATE	6.18	6.18	14.04

24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
NONE.

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 02/02/96
RUN TIME 12:50:21

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

JANUARY 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	507	17	463
2	503	18	460
3	500	19	458
4	497	20	454
5	495	21	441
6	484	22	443
7	474	23	440
8	487	24	441
9	483	25	435
10	479	26	434
11	476	27	432
12	475	28	431
13	473	29	427
14	466	30	425
15	468	31	422
16	466		

CP&L CO.
RUN DATE 02/07/96
RUN TIME 07:18:01

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

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

NOTES

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.00	744.00	177480.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	744.00	114059.70
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	744.00	744.00	108621.71
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1110026.74	1110026.74	233295032.11
17. GROSS ELEC. ENERGY GEN (MWH)	360920.00	360920.00	75429641.00
18. NET ELEC. ENERGY GENERATED (MWH)	344154.00	344154.00	72393371.00
19. UNIT SERVICE FACTOR	100.00	100.00	61.20
20. UNIT AVAILABILITY FACTOR	100.00	100.00	61.20
21. UNIT CAP. FACTOR (USING MDC NET)	61.35	61.35	52.23
22. UNIT CAP. FACTOR (USING DER NET)	56.34	56.34	49.68
23. UNIT FORCED OUTAGE RATE	.00	.00	11.14
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): REFUELING OUTAGE, 2/2/96, 39 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			

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 - JANUARY 1996

DOCKET NO. G50-0325
 UNIT NAME Brunswick 1
 DATE February 1996
 COMPLETED BY Frances Harrison
 TELEPHONE 910-457-2756

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH January 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
96-001	960119	S	00	B	5	N/A	RB	CRDRVE	Reduced power to 60% for scram time testing.
96-003	960121	F	00	B	5	N/A	RB	CRDRVE	Downpower to 80% for CRD Scram Solenoid Diagnostic Testing.
96-004	960122	F	00	B	5	N/A	RB	CRDRVE	Downpower 55% for unit shutdown due to CRD scram time testing problems.
96-005	960123	F	45.97	A	2	N/A	HA	ZZZZZZ	Manual Scram on Hi #5 Main Turbine Bearing Vibrations.
96-006	960125	F	00	A	5	N/A	CB	PUMPXX	Rx Recirc Pump 1A failed to start.

- 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 February 1996
 COMPLETED By Frances Harrison
 TELEPHONE 910-457-2756

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH January 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
95-052	950827	S	In progress	H	5	N/A	RC	ZZ	Core Coastdown.

- 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 NOS. 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	