



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

NOV 13 1996

SERIAL: BSEP 96-0422
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 October 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 —October 1996
3. Regulatory Commitments

9611260010 961031
PDR ADOCK 05000324
R PDR

250067

IE241/

Document Control Desk
BSEP 96-0422 / Page 2

cc: U. S. Nuclear Regulatory Commission
ATTN.: Mr. Stewart D. Ebnetter, Regional Administrator
101 Marietta Street, N.W., Suite 2900
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 11/07/96
RUN TIME 12:52:09

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

OCTOBER 1996

DAY AVG. DAILY POWER LEVEL
(MWE-NET)

1	717
2	713
3	711
4	640
5	8
6	-10
7	-7
8	-6
9	-5
10	-5
11	-5
12	-5
13	-4
14	-4
15	-3
16	-3

DAY AVG. DAILY POWER LEVEL
(MWE-NET)

17	-3
18	-3
19	-3
20	-3
21	-3
22	-4
23	-2
24	-3
25	-4
26	-4
27	-4
28	-5
29	-5
30	-6
31	-6

CP&L CO
RUN DATE 11/07/96
RUN TIME 12:52:11

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 | NOTES |
2. REPORTING PERIOD: OCTOBER 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	745.00	7327.30	172032.00
12. NUMBER OF HOURS REACTOR CRITICAL	101.15	6262.07	109654.81
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	101.15	6188.15	105539.32
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	207909.68	14487215.51	233845786.34
17. GROSS ELEC. ENERGY GEN. (MWH)	69395.00	4835600.00	76942380.00
18. NET ELEC. ENERGY GENERATED (MWH)	64174.00	4695887.00	74072605.00
19. UNIT SERVICE FACTOR	13.58	84.54	61.35
20. UNIT AVAILABILITY FACTOR	13.58	84.54	61.35
21. UNIT CAP. FACTOR (USING MDC NET)	11.23	83.64	54.98
22. UNIT CAP. FACTOR (USING DER NET)	10.49	78.14	52.45
23. UNIT FORCED OUTAGE RATE	.00	3.16	13.52
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: 11/06/96
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

CP&L CO
RUN DATE 11/07/96
RUN TIME 12:52:09

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

OCTOBER 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	706	17	780
2	746	18	769
3	775	19	780
4	779	20	782
5	781	21	783
6	780	22	781
7	782	23	779
8	782	24	778
9	782	25	777
10	781	26	777
11	783	27	776
12	782	28	774
13	784	29	775
14	784	30	774
15	784	31	773
16	784		

CP&L CO
RUN DATE 11/07/96
RUN TIME 12:52:11

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: OCTOBER 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): 732.0	
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	745.00	7320.00	184056.00
12. NUMBER OF HOURS REACTOR CRITICAL	745.00	6011.85	119327.55
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	745.00	5815.71	113693.02
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1803094.07	12953897.71	245138903.08
17. GROSS ELEC. ENERGY GEN. (MWH)	595510.00	4223115.00	79291836.00
18. NET ELEC. ENERGY GENERATED (MWH)	578024.00	4077819.00	76127036.00
19. UNIT SERVICE FACTOR	100.00	79.44	61.77
20. UNIT AVAILABILITY FACTOR	100.00	79.44	61.77
21. UNIT CAP. FACTOR (USING MDC NET)	102.90	73.88	53.03
22. UNIT CAP. FACTOR (USING DER NET)	94.50	67.85	50.38
23. UNIT FORCED OUTAGE RATE	.00	3.51	10.84
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 — OCTOBER 1996

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

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH October 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
96-037	960916	S	.00	H	6	NA	RC	FUELXX	Core Coastdown
96-042	961005	S	In Progress	C	2	NA	RC	FUELXX	Refueling Outage

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

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH October 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
96-045	960927- 961001	F	.00	A	5	NA	HH	PUMPXX	Red. Pwr to 60% for troubleshooting of 2A RFP due to vibration problems.
96-046	961002	S	.00	B	5	NA	RC	CONROD	Downpower to 65% for control rod testing and 2A RFP vibration.
96-047	961017	S	.00	B	5	NA	RC	CONROD	Downpower to 90% for rod improvement and weekly 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

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

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