

CP&L CO
RUN DATE 07/02/86
RUN TIME 07:51:22

PLANT PERFORMANCE DATA SYSTEM
APPENDIX B - AVERAGE DAILY POWER LEVEL
BRUNSWICK UNIT 1

PAGE 1
RFD39

DOCKET NO. 050-0325
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

JUNE 1986

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	773	17	772
2	719	18	773
3	704	19	773
4	777	20	772
5	775	21	768
6	775	22	772
7	761	23	773
8	771	24	773
9	772	25	773
10	771	26	774
11	775	27	772
12	773	28	761
13	770	29	767
14	760	30	766
15	771		
16	774		

1.16 - 8

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111



Carolina Power & Light Company

Brunswick Steam Electric Plant
P. O. Box 10429
Southport, NC 28461-0429

July 7, 1986

FILE: B09-13510C
SERIAL: BSEP/86-1039

Mr. R. M. Scroggins, Director
Office of Resource Management
U.S. Nuclear Regulatory Commission
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

Dear Mr. Scroggins:

In accordance with Technical Specification 6.9.1.6 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 June 1986.

Very truly yours,

C. R. Dietz, General Manager
Brunswick Steam Electric Plant

FH/cab
MSC/85-0014

Enclosures

cc: Mr. M. R. Beebe
Dr. J. N. Grace
Mr. M. D. Hill
Mr. P. W. Howe
Mr. C. F. Lassiter
Mr. R. G. Oehl
Ms. D. J. Vicks
INPO

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CP&L CO
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RUN TIME 07:51:24

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 1

PAGE 1
RPD36

DUCKET NO. 050-0325
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 1	NOTES
2. REPORTING PERIOD: JUNE 86	
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): 815.0	
7. MAX DEPENDABLE CAPACITY (NET MWE): 790.0	
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	720.00	4343.00	81408.00
12. NUMBER OF HOURS REACTOR CRITICAL	720.00	4156.62	50988.10
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	720.00	4042.80	48180.18
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1739648.94	9566172.00	99672835.65
17. GROSS ELEC. ENERGY GEN. (MWH)	569465.00	3147929.00	32899202.00
18. NET ELEC. ENERGY GENERATED (MWH)	552233.00	3054425.00	31613122.00
19. UNIT SERVICE FACTOR	100.00	93.09	59.18
20. UNIT AVAILABILITY FACTOR	100.00	93.09	59.18
21. UNIT CAP. FACTOR (USING MDC NET)	97.09	89.03	49.16
22. UNIT CAP. FACTOR (USING DER NET)	93.42	85.66	47.30
23. UNIT FORCED OUTAGE RATE	.00	6.91	19.04
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): FORCAST ACHEIVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

DOCKET NO.: 050-0325
UNIT: Brunswick 1
DATE: July 1986
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY
BRUNSWICK UNIT 1

Brunswick Unit 1 operated at 100 percent availability factor for the month of June with a 97.09 percent capacity factor. There was one power reduction. Details are in the Unit Shutdowns and Power Reductions sheet.

There are 840 BWR and 160 PWR spent fuel bundles in the Brunswick Unit 1 fuel pool.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH Jun 1986

DOCKET NO. 050-0325
 UNIT NAME Brunswick II
 DATE Jul 1986
 COMPLETED BY Frances Harrison
 TELEPHONE (919)457-9521

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
86-031	860602	F	00	A	5				1A heater drain pump problem

¹
 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
 Exhibit G - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-
 0161)

⁵
 Exhibit I - Same Source

CP&L CO
RUN DATE 07/02/86
RUN TIME 07:51:22

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

PAGE 2
RPD39

DOCKET NO. 050-0324
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

JUNE 1986

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-13	17	212
2	-12	18	90
3	-11	19	-14
4	-12	20	-15
5	-13	21	-16
6	-13	22	-13
7	-12	23	-14
8	-12	24	-14
9	-13	25	-15
10	-13	26	77
11	-12	27	480
12	-15	28	608
13	-16	29	645
14	-16	30	634
15	33		
16	174		

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PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 2

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RPD36

DUCKET NO. 050-0324
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 2	NOTES
2. REPORTING PERIOD: JUNE 86	
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): 815.0	
7. MAX DEPENDABLE CAPACITY (NET MWE): 790.0	
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	CUMULATIVE
11. HOURS IN REPORTING PERIOD	720.00	4343.00	93432.00
12. NUMBER OF HOURS REACTOR CRITICAL	288.87	288.87	54801.23
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	169.89	169.89	51180.98
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	255060.89	255060.89	99084933.42
17. GROSS ELEC. ENERGY GEN. (MWH)	75263.00	75263.00	32870747.00
18. NET ELEC. ENERGY GENERATED (MWH)	64076.00	42041.00	31480040.00
19. UNIT SERVICE FACTOR	23.60	3.91	54.78
20. UNIT AVAILABILITY FACTOR	23.60	3.91	54.78
21. UNIT CAP. FACTOR (USING MDC NET)	11.27	1.23	42.65
22. UNIT CAP. FACTOR (USING DER NET)	10.84	1.18	41.04
23. UNIT FORCED OUTAGE RATE	53.85	53.85	15.71
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): FORCAST ACHEIVED

INITIAL CRITICALITY	-----	-----
INITIAL ELECTRICITY	-----	-----
COMMERCIAL OPERATION	-----	-----

DOCKET NO.: 050-0324
UNIT: Brunswick 2
DATE: July 1986
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY
BRUNSWICK UNIT 2

Brunswick Unit 2 was returned to service on June 15, 1986. The unit operated at an 11.27 percent capacity factor and a 23.60 percent availability factor. There was one scram and one turbine overspeed trip test. Details are in the Unit Shutdowns and Power Reductions sheet.

There are 856 BWR and 144 PWR spent fuel bundles in the Brunswick Unit 2 fuel pool.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0324UNIT NAME Brunswick IIDATE Jul 1986COMPLETED BY Frances HarrisonTELEPHONE (919)457-9521REPORT MONTH Jun 1986

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
86-003	860616	S	30 minutes	B	1				Turbine Overspeed Trip Tests

1
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
Exhibit G - Instructions
for Preparation of Data
Entry Sheets for Licensee
Event Report (LER) File (NUREG-
0161)

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Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH Jun 1986DOCKET NO. 050-0324UNIT NAME Brunswick IIDATE Jul 1986COMPLETED BY Frances HarrisonTELEPHONE (919)457-9521

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
86-004	860618	F	198.23	A	3				Reactor Scram due to 2B reactor feed pump check valve stuck open

¹
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
Exhibit G - Instructions
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Exhibit I - Same Source