

CP&L CO
RUN DATE 07/07/87
RUN TIME 07:28:33

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 1

PAGE 1
RFD36-000

DOCKET NO. 050-0325
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-2756

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 1	
2. REPORTING PERIOD: JUNE 87	
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	90167.00
12. NUMBER OF HOURS REACTOR CRITICAL	391.08	1454.58	56609.80
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	274.73	1333.68	53549.00
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	540780.31	2632961.32	111674986.21
17. GROSS ELEC. ENERGY GEN. (MWH)	167663.00	836213.00	36754065.00
18. NET ELEC. ENERGY GENERATED (MWH)	156465.00	789037.00	35287377.00
19. UNIT SERVICE FACTOR	38.16	30.71	59.39
20. UNIT AVAILABILITY FACTOR	38.16	30.71	59.39
21. UNIT CAP. FACTOR (USING MDC NET)	27.51	23.00	49.54
22. UNIT CAP. FACTOR (USING DER NET)	26.47	22.13	47.67
23. UNIT FORCED OUTAGE RATE	32.75	9.12	18.11
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

IE24
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CP&L CO
RUN DATE 07/07/87
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PLANT PERFORMANCE DATA SYSTEM
APPENDIX B - AVERAGE DAILY POWER LEVEL
BRUNSWICK UNIT 1

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DOCKET NO. 050-0325
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-2756

JUNE 1987

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-10	17	7
2	-10	18	-10
3	-9	19	-14
4	-9	20	-13
5	-9	21	-12
6	-8	22	65
7	-8	23	586
8	-10	24	623
9	-12	25	731
10	-14	26	719
11	-15	27	602
12	-15	28	704
13	-10	29	734
14	181	30	713
15	410		
16	630		

UNIT SHUTDOWNS AND POWER REDUCTIONS

050-0325

DOCKET NO.

Brunswick I

UNIT NAME

July 1987

DATE

Frances Harrison

COMPLETED BY

919-457-9521

TELEPHONE

REPORT MONTH June 1987

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
87-009	8/06/87	F	133.8	A	1				Reactor Recirculation Pump Seal Replacement Forced Outage.

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-Cont Inuations
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 1 - Same Source

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

050-0325

DOCKET NO.

Brunswick I

UNIT NAME

DATE July 1987

COMPLETED BY Frances Harrison

TELEPHONE 919-457-9521

REPORT MONTH June 1987

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
87010	870627	F	00	B	5	N/A			Load Following

1 F: Forced
S: Scheduled

2 Reason
A-E Equipment Failure (Explain)
B-F Maintenance or Test
C Fueling
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-Cont inuations
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 1 - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0325
UNIT NAME Brunswick 1
DATE July 1987
COMPLETED BY Frances Harrison
TELEPHONE 919-457-9521

REPORT MONTH June 1987

No	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
87011	870614	S	.57	B	1	N/A			Turbine Overspeed Trip Test

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

DOCKET NO.: 050-0324
UNIT: Brunswick 2
DATE: July 1987
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY
BRUNSWICK UNIT 2

Brunswick Unit 2 operated at a 95.68 percent capacity factor and a 100 percent availability factor. There were three power reductions.

There are 756 BWR and 144 PWR spent fuel bundles in the Brunswick Unit 2 fuel pool.

CP&L CO
RUN DATE 07/07/87
RUN TIME 07:28:33

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 2

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DOCKET NO. 050-0324
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-2756

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 2	
2. REPORTING PERIOD: JUNE 87	
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	102191.00
12. NUMBER OF HOURS REACTOR CRITICAL	720.00	3962.57	62707.50
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	720.00	3788.87	58829.18
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1736392.49	8932100.67	119890756.75
17. GROSS ELEC. ENERGY GEN. (MWH)	562020.00	2902670.00	38740996.00
18. NET ELEC. ENERGY GENERATED (MWH)	544244.00	2812830.00	37111313.00
19. UNIT SERVICE FACTOR	100.00	87.24	57.57
20. UNIT AVAILABILITY FACTOR	100.00	87.24	57.57
21. UNIT CAP. FACTOR (USING MDC NET)	95.68	81.98	45.97
22. UNIT CAP. FACTOR (USING DER NET)	92.07	78.89	44.23
23. UNIT FORCED OUTAGE RATE	.00	10.69	14.65
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	-----	-----

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

DAY DOCKET
TE COMPL

DOCKET NO. 050-0324
COMPLETED BY FRANCES HA
TELEPHONE (919) 457-2756

JUNE	1987
DAY	AVG. DAILY POWER LEVEL (MWE-NET)
	763
	764

DAY
7
AVG. DAILY POWER LEVEL
(MWE-NET)
762
71

[illegible]

EL CO
RUN DATE 07/07/87
RUN TIME 07:28:31

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 (919)457-2756

JUNE 1987

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	763	17	762
2	766	18	761
3	762	19	764
4	763	20	710
5	763	21	764
6	763	22	762
7	754	23	764
8	764	24	764
9	765	25	763
10	763	26	762
11	766	27	762
12	766	28	680
13	758	29	683
14	766	30	762
15	768		
16	764		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0325
 UNIT NAME BRADSWICK II
 DATE July 1987
 COMPLETED BY Frances Harrison
 TELL HONE 919-457-5521

REPORT MONTH June 1987

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
87061	870620	S	00	B	5	N/A			Stop valve, Control Valve MSIV testing. Scram time testing and rod improvement

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-Cont Inuations
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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0325

UNIT NAME Brunswick II

DATE July 1987

COMPLETED BY Frances Harrison

TELEPHONE 919-457-9521

REPORT MONTH June 1987

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
87062	870627	S	00	B	5	N/A			Rod Improvement

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) Exhibit I - Same Source
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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0325
 UNIT NAME Brunswick II
 DATE July 1987
 COMPLETED BY Frances Harrison
 TELEPHONE 919-457-9521

REPORT MONTH June 1987

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor	Licensee Event Report #	System Code #	Component Code #	Cause & Corrective Action to Prevent Recurrence
87064	870627	F	00	A	5	N/A			Load following.

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 1 - Same Source

CP&L

Carolina Power & Light Company

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

July 7, 1987

FILE: B09-13510C
SERIAL: BSEP/87-0764

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 1987.

Very truly yours,

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

FH/mcg
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
Mr. W. H. Ruland
Ms. H. M. Shaver
Ms. D. J. Vicks
INPO

IE24
111

DOCKET NO.: 050-0325
UNIT: Brunswick 1
DATE: July 1987
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY
BRUNSWICK UNIT 1

The unit was returned to service on June 13, 1987, after the refueling/maintenance outage. There was a turbine overspeed trip test on June 14, 1987, and the unit was removed from service on June 17, 1987, for a 1B reactor recirculation pump seal replacement outage.

There are 1016 BWR and 160 PWR spent fuel bundles in the Brunswick Unit 1 fuel pool.

S/RV FAILURE/CHALLENGES REPORT

DATE: 6/12/87

TIME OF OCCURRENCE: 0549

DETAILS OF S/RV's FAILURE: Manually opened SRV F013A and reclosed it -

no failure