

DOCKET NO.: 050-0325
UNIT: Brunswick 1
DATE: August 1985
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY
BRUNSWICK UNIT 1

Unit 1 was shut down on March 29, 1985, for refueling/maintenance outage.

There are 1216 BWR and 160 PWR spent fuel bundles in the Brunswick Unit 1 fuel pool.

8508160174 850731
PDR ADOCK 05000324
R PDR

IE24
1/1

CP&L CO
RUN DATE 08/01/85
RUN TIME 12:42:09

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)457-9521

JULY 1985

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-2	17	-2
2	-2	18	-2
3	-2	19	-1
4	-2	20	-2
5	-2	21	-2
6	-2	22	-2
7	-2	23	-2
8	-1	24	-2
9	-2	25	-2
10	-2	26	-2
11	-2	27	-2
12	-2	28	-2
13	-2	29	-2
14	-2	30	-2
15	-1	31	-2
16	-1		

CP&L CO
RUN DATE 08/01/85
RUN TIME 12:42:13

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 1

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

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 1	
2. REPORTING PERIOD: JULY 85	
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	744.00	5087.00	73392.00
12. NUMBER OF HOURS REACTOR CRITICAL	.00	2079.00	45500.86
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	.00	2064.45	42953.28
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	.00	3521596.58	87570793.50
17. GROSS ELEC. ENERGY GEN. (MWH)	.00	1180426.00	28922523.00
18. NET ELEC. ENERGY GENERATED (MWH)	-1310.00	1130730.00	27776513.00
19. UNIT SERVICE FACTOR	.00	40.58	58.53
20. UNIT AVAILABILITY FACTOR	.00	40.58	58.53
21. UNIT CAP. FACTOR (USING MDC NET)	-.22	28.14	47.91
22. UNIT CAP. FACTOR (USING DER NET)	-.21	27.07	46.10
23. UNIT FORCED OUTAGE RATE	.00	2.23	20.28
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: 11/05/85
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): .ORCAST ACHEIVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1985

DOCKET NO. 050-0325
 UNIT NAME Brunswick I
 DATE August 1985
 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
85-006	850329	S	In Progress	C	4	NA	RC	FUELXX	Refueling/Maintenance 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-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: August 1985
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY
BRUNSWICK UNIT 2

Brunswick Unit 2 operated at 100 percent availability factor for the month of July 1985 with a 83.58 percent capacity factor. There were five power reductions. Details are in Unit Shutdowns and Power Reductions sheet.

There are 608 BWR and 144 FWR spent fuel bundles in the Brunswick Unit 2 fuel pool.

CP&L CO
RUN DATE 08/01/85
RUN TIME 12:42:09

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

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RPD39

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

JULY 1985

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	679	17	711
2	682	18	560
3	651	19	598
4	622	20	643
5	586	21	714
6	599	22	725
7	594	23	665
8	577	24	725
9	540	25	741
10	559	26	731
11	579	27	701
12	601	28	733
13	682	29	735
14	753	30	677
15	744	31	639
16	724		

CP&L CO
RUN DATE 08/01/85
RUN TIME 12:42:13

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 2

PAGE 2
RPD36

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

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 2	
2. REPORTING PERIOD: JULY 85	
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	744.00	5087.00	85416.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	4658.79	52036.31
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	744.00	4590.19	48615.26
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1565455.45	10519129.36	93629996.67
17. GROSS ELEC. ENERGY GEN. (MWH)	507885.00	3486047.00	31087751.00
18. NET ELEC. ENERGY GENERATED (MWH)	491221.00	3376530.00	29797004.00
19. UNIT SERVICE FACTOR	100.00	90.23	56.92
20. UNIT AVAILABILITY FACTOR	100.00	90.23	56.92
21. UNIT CAP. FACTOR (USING MDC NET)	83.58	84.02	44.16
22. UNIT CAP. FACTOR (USING DER NET)	80.42	80.85	42.49
23. UNIT FORCED OUTAGE RATE	.00	4.40	15.37
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

Refueling/Maintenance Outage - 12/01/85 - 31 Weeks

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	-----	-----

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1985

DOCKET NO. 050-0324
 UNIT NAME Brunswick II
 DATE August 1985
 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
85-004	850604	F	00	H	5	NA			Operating at Reduced Power Due to High Drywell Temperature.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1985

DOCKET NO. 050-0324
 UNIT NAME Brunswick II
 DATE August 1985
 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
85-045	850718	F	00	A	5	NA			2B Reactor Feed Pump Tripped-- 2B Circ. Water Intake Pump Tripped.

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
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⁴
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 0161)

⁵
 Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1985

DOCKET NO. 050-0324
 UNIT NAME Brunswick II
 DATE August 1985
 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
85-046	850719	F	00	B	5	NA			Reduced Power to Change Out Two Brushes on 2A Recirc. MG Set. Completed PT-13.1 and PT-14.1.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1985

DOCKET NO. 050-0324
UNIT NAME Brunswick II
DATE August 1985
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
85-047	850723	F	00	B	5	NA			Reduced Power to 60% to Allow I&C to Make Repairs to 2A & D Pump.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1985

DOCKET NO. 050-0324
 UNIT NAME Brunswick II
 DATE August 1985
 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
85-048	850726	S	00	B	5	NA			Decrease Power for Various PTs and Brush Replacement on 2A Reactor Recirc. MG Set.

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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 0161)

⁵ Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1985

DOCKET NO. 050-0324
 UNIT NAME Brunswick II
 DATE August 1985
 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
85-049	850730	F	00	B	5	NA			Decreased Power to 60% Due to Failure of West MSR Drain Valves.

1 F Forced
S Scheduled

2 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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 C - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-
 0161)

5 Exhibit I - Same Source



Carolina Power & Light Company

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

August 5, 1985

FILE: R09-13510C
SERIAL: BSEP/85-1424

Mr. J. M. Taylor, Director
Office of Inspection and Enforcement
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. DPK-71 AND DPR-62
MONTHLY OPERATING REPORT

Dear Mr. Taylor:

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 July 1985.

Very truly yours,

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. J. L. Harness
Mr. C. F. Lassiter
Ms. D. J. Vicks
INPO

IE24
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