

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

OPERATIONS SUMMARY
BRUNSWICK UNIT 1

Unit 1 reactor mode was switched to startup on October 30, 1985, after the refueling/maintenance outage was completed.

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

8511180475 851031
PDR ADOCK 05000324
R PDR

IE04
1/1

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1985

DOCKET NO. 050-0325
 UNIT NAME Brunswick I
 DATE November 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

CP&L CO
RUN DATE 11/04/85
RUN TIME 12:43:48

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

PAGE 1
RPD39

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

OCTOBER 1985

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

CP&L CO
RUN DATE 11/04/85
RUN TIME 12:43:50

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 1

PAGE 1
RPD36

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

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 1	
2. REPORTING PERIOD: OCTOBER 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	745.00	7296.00	75601.00
12. NUMBER OF HOURS REACTOR CRITICAL	33.92	2112.92	45534.78
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)	-8236.00	1112160.00	27757943.00
19. UNIT SERVICE FACTOR	.00	28.30	56.82
20. UNIT AVAILABILITY FACTOR	.00	28.30	56.82
21. UNIT CAP. FACTOR (USING MDC NET)	-1.40	19.30	46.48
22. UNIT CAP. FACTOR (USING DER NET)	-1.35	18.57	44.72
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: 11/08/85
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: November 1985
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY
BRUNSWICK UNIT 2

Brunswick Unit 2 operated at a 57.34 percent availability factor for the month of October 1985 with a 44.09 percent capacity factor. There was one off-line outage. Details are in Unit Shutdowns and Power Reductions sheet. The unit operated at reduced power due to main steam line solenoid problems.

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

CP&L CO
RUN DATE 11/04/85
RUN TIME 12:43:48

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

OCTOBER 1985

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-9	17	-13
2	-9	18	335
3	-8	19	622
4	-9	20	608
5	-9	21	563
6	-9	22	565
7	-7	23	564
8	-11	24	563
9	-15	25	575
10	-14	26	648
11	216	27	691
12	572	28	691
13	704	29	699
14	640	30	703
15	249	31	697
16	-12		

CP&L CO
RUN DATE 11/04/85
RUN TIME 12:43:50

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: OCTOBER 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	745.00	7296.00	87625.00
12. NUMBER OF HOURS REACTOR CRITICAL	491.41	6471.12	53848.64
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	427.17	6330.61	50355.68
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	828662.89	14343721.47	97454588.78
17. GROSS ELEC. ENERGY GEN. (MWH)	272135.00	4739297.00	32341001.00
18. NET ELEC. ENERGY GENERATED (MWH)	259475.00	4582398.00	31002872.00
19. UNIT SERVICE FACTOR	57.34	86.77	57.47
20. UNIT AVAILABILITY FACTOR	57.34	86.77	57.47
21. UNIT CAP. FACTOR (USING MDC NET)	44.09	79.50	44.79
22. UNIT CAP. FACTOR (USING DER NET)	42.42	76.50	43.10
23. UNIT FORCED OUTAGE RATE	42.66	9.70	15.59
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

Refueling/Maintenance 12/01/85 30 weeks

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1985

DOCKET NO. 050-0324
UNIT NAME Brunswick II
DATE November 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
85-067	850926	F	357.17	H	1				Generator Removed From Service Due to Hurricane Warning. Also, Repaired Seat Leakage From RHR Valve 2-E11-F015B.

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.
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for Preparation of Data
Entry Sheets for Licensee
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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1985

DOCKET NO. 050-0324
UNIT NAME Brunswick II
DATE November 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
85-070	851015	F	68.32	A	3	2-85-011			Main Steam Isolation Valve 2-B21-F022A Solenoid Valve Failure.

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)

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⁵
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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1985

DOCKET NO. 050-0324
 UNIT NAME Brunswick II
 DATE November 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
85-074	851020	F	In Progress	A	5				Unit Operating at Reduced Power Due to Main Steam Line Solenoid Problems.

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:
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⁵
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Carolina Power & Light Company

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

November 4, 1985

FILE: B09-13510C
SERIAL: BSEP/85-1934

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. DPR-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 October 1985.

Very truly yours.

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

FH/jlh
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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