

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325
UNIT BRUNSWICK UNIT 1
DATE 08/03/83
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

JULY 1983			
DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-11	17	-6
2	-10	18	-8
3	-11	19	-10
4	-11	20	-11
5	-12	21	-12
6	-11	22	-10
7	-11	23	-11
8	-11	24	-11
9	-10	25	-12
10	-10	26	-12
11	-11	27	-14
12	-8	28	-14
13	-6	29	-14
14	-6	30	-13
15	-6	31	-13
16	-6		

OPERATING DATA REPORT

DOCKET NO. 050-0325
 DATE 08/03/83
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 1		NOTES	
2. REPORTING PERIOD: JULY 83			
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	55848.00
12. NUMBER OF HOURS REACTOR CRITICAL	13.63	13.63	33902.10
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	.00	.00	31970.03
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	.00	.00	63896018.86
17. GROSS ELEC. ENERGY GEN. (MWH)	.00	.00	21062188.00
18. NET ELEC. ENERGY GENERATED (MWH)	-7726.00	-30475.00	20194644.00
19. UNIT SERVICE FACTOR	.00	.00	57.24
20. UNIT AVAILABILITY FACTOR	.00	.00	57.24
21. UNIT CAP. FACTOR (USING MDC NET)	-1.31	-.76	45.77
22. UNIT CAP. FACTOR (USING DER NET)	-1.26	-.73	44.04
23. UNIT FORCED OUTAGE RATE	.00	.00	24.03
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: 08/06/83
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORCAST ACHEIVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

APPENDIX

DOCKET NO.: 050-0325
UNIT: Brunswick No. 1
DATE: August 1983
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT NO. 1

Brunswick Unit No. 1 went critical on July 27, 1983. It was shutdown due to IRM problems. Went critical again on July 31, 1983.

There are 656 BWR and 160 PWR spent fuel bundles in the Brunswick No. 1 fuel pool.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1983DOCKET NO. 050-0325UNIT NAME Brunswick 1DATE August 1983COMPLETED 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
83116	821211	S	744	C	4	NA	RC	Fuel XX	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

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324
UNIT BRUNSWICK UNIT 2
DATE 08/03/83
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

JULY 1983			
DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	677	17	713
2	751	18	713
3	741	19	714
4	764	20	716
5	764	21	715
6	767	22	710
7	732	23	692
8	650	24	417
9	688	25	600
10	705	26	712
11	717	27	720
12	715	28	720
13	728	29	720
14	723	30	470
15	719	31	-13
16	709		

OPERATING DATA REPORT

DOCKET NO. 050-0324
 DATE 08/03/83
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 2	
2. REPORTING PERIOD: JULY 83	
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	67872.00
12. NUMBER OF HOURS REACTOR CRITICAL	714.60	3904.41	42680.53
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	714.60	3729.86	39880.60
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1573880.11	7918919.58	74215902.94
17. GROSS ELEC. ENERGY GEN. (MWH)	517806.00	2645645.00	24662337.00
18. NET ELEC. ENERGY GENERATED (MWH)	500857.00	2549704.00	23641630.00
19. UNIT SERVICE FACTOR	96.05	73.32	58.76
20. UNIT AVAILABILITY FACTOR	96.05	73.32	58.76
21. UNIT CAP. FACTOR (USING MDC NET)	85.21	63.45	44.09
22. UNIT CAP. FACTOR (USING DER NET)	82.00	61.05	42.43
23. UNIT FORCED OUTAGE RATE	3.95	7.61	16.03
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

Refueling- 11-1-83 to 5-8-84

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: 08/06/83
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORCAST ACHIEVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

APPENDIX

DOCKET NO.: 050-324
UNIT: Brunswick No. 2
DATE: August 1983
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT NO. 2

Brunswick Unit No. 2 operated at 96.05% availability factor for the month of July with a 85.21% capacity factor. The unit operated at reduced power for the month of July because of drywell problems. It was separated from the grid on July 30, 1983. Details in Appendix D, the unit shutdowns and power reduction log.

There are 424 BWR and 144 PWR spent fuel bundles in the Brunswick No. 2 fuel pool.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1983

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE August 1983
 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
83073	830707	F	.00	A	5	NA	CH	PUMPXX	Reduced power 90% with recirc pump speed to reduce drywell temperature.

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 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 1983

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE August 1983
 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
83076	830723	F	.00	A	5	NA	HC	HTEXCH	Reduced power for waterbox work.

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 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 1983

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE August 1983
 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
83077	830724	F	.00	A	5	NA	CH	PUMPXX	2A rx recirc pump tripped.

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 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 1983

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE August 1st 83
 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
83080	830730		29.40	A	1	NA	XX	VESSEL	Unit was shutdown due to high drywell leakage

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 G - 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 2, 1983

FILE: B09-13510C
SERIAL: BSEP/83-2598

Mr. R. C. DeYoung - Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
LICENSE NOS. DPR-71 AND DPR-62
DOCKET NOS. 50-325 AND 50-324
MONTHLY OPERATING REPORT

Dear Mr. DeYoung:

In accordance with Technical Specification 6.9.1.6 for the Brunswick Steam Electric Plant, Unit Nos. 1 and 2, Carolina Power & Light Company herewith submits the report of operating statistics and shutdown experience for the month of July 1983.

Very truly yours,

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

FH/ag

Enclosure

cc: Ms. J. C. Baker
Ms. Mary Hodges
Mr. J. P. O'Reilly
Mr. S. L. Rosen

IE24
1/1