

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325
UNIT BRUNSWICK UNIT 1
DATE 01/04/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

DECEMBER 1983

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	753	17	773
2	771	18	748
3	766	19	782
4	769	20	783
5	764	21	780
6	764	22	257
7	768	23	-11
8	770	24	-10
9	744	25	33
10	773	26	584
11	766	27	742
12	767	28	695
13	768	29	783
14	769	30	794
15	766	31	791
16	769		

8401110233 831231
PDR ADOCK 05000314
R PDR

OPERATING DATA REPORT

DOCKET NO. 050-0325
 DATE 01/04/84
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 1	
2. REPORTING PERIOD: DECEMBER 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	8760.00	59521.00
12. NUMBER OF HOURS REACTOR CRITICAL	675.06	2509.51	36397.98
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	661.72	2118.50	34088.53
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1532756.53	4529036.53	68425055.39
17. GROSS ELEC. ENERGY GEN. (MWH)	513353.00	1484863.00	22547051.00
18. NET ELEC. ENERGY GENERATED (MWH)	498486.00	1388721.00	21613840.00
19. UNIT SERVICE FACTOR	88.94	24.18	57.27
20. UNIT AVAILABILITY FACTOR	88.94	24.18	57.27
21. UNIT CAP. FACTOR (USING MDC NET)	84.81	20.07	45.97
22. UNIT CAP. FACTOR (USING DER NET)	81.61	19.31	44.23
23. UNIT FORCED OUTAGE RATE	11.06	6.15	23.12
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	-----	-----

APPENDIX

DOCKET NO.: 050-325
UNIT: Brunswick No. 1
DATE: December 1983
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT NO. 1

Brunswick Unit No. 1 operated at an 88.94% availability factor for the month of December with an 84.81% capacity factor. There was one off-line outage and one power reduction. Details are in Appendix D, The Unit Shutdowns and Power Reduction Log.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1983

DOCKET NO. 050-0325
 UNIT NAME Brunswick J
 DATE January 1984
 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
83032	831222	F	82.3	A	3	NA			Rx scram-EHC malfunction caused Rx pressure increase. Repaired EHC pressure control system by replacing defective card in EHC logic cabinet

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 December 1983

DOCKET NO. 050-0325
 UNIT NAME Brunswick I
 DATE January 1984
 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
83034	831228	S	00	B	5	NA	ZZ	ZZZZZZ	Reduced power for 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)

⁵
 Exhibit I - Same Source

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324
UNIT BRUNSWICK UNIT 2
DATE 01/04/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

DECEMBER 1983

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

OPERATING DATA REPORT

DOCKET NO. 050-0324
 DATE 01/04/84
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 2	NOTES	
2. REPORTING PERIOD: DECEMBER 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	8760.00	71545.00
12. NUMBER OF HOURS REACTOR CRITICAL	.00	5951.30	44727.42
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	.00	5634.73	41785.47
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	.00	12279737.66	78576721.02
17. GROSS ELEC. ENERGY GEN. (MWH)	.00	4093006.00	26109698.00
18. NET ELEC. ENERGY GENERATED (MWH)	-6080.00	3935892.00	25027818.00
19. UNIT SERVICE FACTOR	.00	64.32	58.40
20. UNIT AVAILABILITY FACTOR	.00	64.32	58.40
21. UNIT CAP. FACTOR (USING MDC NET)	-1.03	56.87	44.28
22. UNIT CAP. FACTOR (USING DER NET)	-1.00	54.73	42.61
23. UNIT FORCED OUTAGE RATE	.00	10.18	15.97
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: 12/22/83
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

APPENDIX

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

OPERATIONS SUMMARY
BRUNSWICK UNIT NO. 2

Brunswick Unit No. 2 was shut down for a planned Intergranular Stress Corrosion Cracking outage.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1983DOCKET NO. 050-0324UNIT NAME Brunswick IIDATE January 1984COMPLETED 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
83-105	831102	S	693.3	*H	1	NA	XX	ZZZZZZ	Intergranular Stress Corrosion Cracking Outage

*Intergranular Stress Corrosion Cracking Outage

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: Same Source

(9/77)



Carolina Power & Light Company

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

January 4, 1984

FILE: B09-13510C
SERIAL: BSEP/84-0025

Mr. R. C. DeYoung, Director
Office of Inspection & 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 December 1983.

Very truly yours,

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

FH/jsa/LETJA

Enclosures

cc: Ms. J. C. Baker
Mr. S. W. McDowell
Mr. J. P. O'Reilly
Mr. S. L. Rosen

IE24
1/1