

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325
UNIT BRUNSWICK UNIT 1
DATE 02/06/85
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

JANUARY 1985

DAY AVG. DAILY POWER LEVEL
(MWE-NET)

1	715
2	701
3	700
4	711
5	706
6	705
7	703
8	703
9	701
10	698
11	696
12	694
13	695
14	692
15	690
16	688

DAY AVG. DAILY POWER LEVEL
(MWE-NET)

17	682
18	596
19	634
20	693
21	678
22	674
23	672
24	638
25	-11
26	-4
27	488
28	656
29	667
30	660
31	659

OPERATING DATA REPORT

DOCKET NO. 050-0325
 DATE 02/06/85
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 1	
2. REPORTING PERIOD: JANUARY 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	744.00	69049.00
12. NUMBER OF HOURS REACTOR CRITICAL	711.52	711.52	44133.38
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	696.97	696.97	41585.80
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1437179.59	1437179.59	85486376.51
17. GROSS ELEC. ENERGY GEN. (MWH)	484531.00	484531.00	28226628.00
18. NET ELEC. ENERGY GENERATED (MWH)	469998.00	469998.00	27115781.00
19. UNIT SERVICE FACTOR	93.68	93.68	60.23
20. UNIT AVAILABILITY FACTOR	93.68	93.68	60.23
21. UNIT CAP. FACTOR (USING MDC NET)	79.96	79.96	49.71
22. UNIT CAP. FACTOR (USING DER NET)	76.94	76.94	47.83
23. UNIT FORCED OUTAGE RATE	6.32	6.32	20.81
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

REFUELING 04-01-85 30 WEEKS

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

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

APPENDIX

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

OPERATIONS SUMMARY BRUNSWICK UNIT 1

Brunswick Unit 1 operated at a 93.68% availability factor for the month of January with a 79.96% capacity factor. There was one scram and one power reduction. Details are in Appendix D, Unit Shutdowns and Power Reductions log.

There are 656 BWR and 160 PWR spent fuel bundles in the Brunswick Unit 1 fuel pool.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1985

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE February 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
85-002	850118	S	00	B	5	NA			Power reduction-I&C working on stator cooling pressure control valve.

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 January 1985

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE February 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
85-003	850124	F	47.03	A	3	NA			Reactor scram-turbine stop valve fast closure due to loss of vacuum.

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

OPERATING DATA REPORT

DOCKET NO. 050-0324
 DATE 02/06/85
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 2	
2. REPORTING PERIOD: DECEMBER 84	
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	8784.00	80329.00
12. NUMBER OF HOURS REACTOR CRITICAL	373.07	2650.10	47377.52
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	321.68	2239.60	44025.07
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	713582.35	4534146.29	83110867.31
17. GROSS ELEC. ENERGY GEN. (MWH)	237764.00	1492006.00	27601704.00
18. NET ELEC. ENERGY GENERATED (MWH)	227242.00	1392656.00	26420474.00
19. UNIT SERVICE FACTOR	43.24	25.50	54.81
20. UNIT AVAILABILITY FACTOR	43.24	25.50	54.81
21. UNIT CAP. FACTOR (USING MDC NET)	38.66	20.07	41.63
22. UNIT CAP. FACTOR (USING DER NET)	37.20	19.31	40.06
23. UNIT FORCED OUTAGE RATE	56.76	23.21	16.37
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

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324
UNIT BRUNSWICK UNIT 2
DATE 02/06/85
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

JANUARY 1985

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	785	17	789
2	782	18	789
3	602	19	776
4	148	20	781
5	660	21	781
6	687	22	783
7	783	23	787
8	785	24	787
9	786	25	787
10	786	26	766
11	770	27	784
12	728	28	785
13	786	29	787
14	789	30	786
15	772	31	786
16	792		

OPERATING DATA REPORT

DOCKET NO. 050-0324
 DATE 02/06/85
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 2	
2. REPORTING PERIOD: JANUARY 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	744.00	81073.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	744.00	48121.52
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	728.48	728.48	44753.55
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1708487.63	1708487.63	84819354.94
17. GROSS ELEC. ENERGY GEN. (MWH)	573279.00	573279.00	28174983.00
18. NET ELEC. ENERGY GENERATED (MWH)	557137.00	557137.00	26977611.00
19. UNIT SERVICE FACTOR	97.91	97.91	55.20
20. UNIT AVAILABILITY FACTOR	97.91	97.91	55.20
21. UNIT CAP. FACTOR (USING MDC NET)	94.79	94.79	42.12
22. UNIT CAP. FACTOR (USING DER NET)	91.21	91.21	40.53
23. UNIT FORCED OUTAGE RATE	2.09	2.09	16.17
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

APPENDIX

DOCKET NO.: 050-0324
UNIT: Brunswick 2
DATE: February 1985
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT 2

Brunswick Unit 2 operated at a 97.91% availability for the month of January with a 94.79% capacity factor. There was one reactor recirculation pump trip and two power reductions. Details are in Appendix D, Unit Shutdowns and Power Reductions Log.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1985

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE February 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
85-003	850103	F	15.5	*H	6	NA			Trip 2A reactor recirculation mg caused by inadvertent bumping of temperature switch B32-5002A-TS-4 which trips the mg on drive motor.

*personnel error

F- Forced
 S- Scheduled

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)

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Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1985

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE February 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	850111	S	00	B	5	NA			Reduced power to 90% for E bus degraded voltage 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.
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⁴
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⁵
 Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1985DOCKET NO. 050-0324UNIT NAME Brunswick 2DATE February 1985COMPLETED 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
85-007	850115	F	00	B	5	LC0-A2-85-097			Reduced power-unlocked B reactor recirculation pump scoop tube.

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.
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⁴
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Entry Sheets for Licensee
Event Report (LER) File (NUREG-
0161)

⁵
Exhibit I - Same Source

CP&L

Carolina Power & Light Company

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

February 6, 1985

FILE: B09-13510C
SERIAL: BSEP/85-0208

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

BRUNSWICK STEAM ELECTRIC PLANT UNITS 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, Units 1 and 2, Carolina Power & Light Company herewith submits the report of operating statistics and shutdown experience for the month of January 1985.

An integrator reading error which occurred in December 1984 necessitates an 11 MW correction to lines 17 and 18 of the Unit 2 report for that month. A corrected copy of the report is included for your records.

Very truly yours,

C.R. Dietz

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

FH/vt/LETCH

Enclosures

cc: Ms. J. C. Baker	Mr. S. W. McDowell
Mr. M. R. Beebe	Mr. J. P. O'Reilly
Mr. J. L. Harness	INPO

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