

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)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	715	17	682
2	701	18	596
3	700	19	634
4	711	20	693
5	706	21	678
6	705	22	674
7	703	23	672
8	703	24	638
9	701	25	-11
10	698	26	-4
11	696	27	488
12	694	28	656
13	695	29	667
14	692	30	660
15	690	31	659
16	688		

8503070338 850131
PDR ADOCK 05000324
R PDR

IE24 1/1

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): FORCAST 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

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE February 1985
 COMPLETED BY Frances Harrison
 TELEPHONE (919)457-9521

REPORT MONTH January 1985

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

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE February 1985
 COMPLETED BY Frances Harrison
 TELEPHONE (919)457-9521

REPORT MONTH January 1985

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): FORCAST 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	168	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	CUMULATIVE
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): FORCAST 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

DOCKET NO. 050-0324
UNIT NAME Brunswick 2
DATE February 1985
COMPLETED BY Frances Harrison
TELEPHONE (919)457-9521

REPORT MONTH January 1985

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)

5

Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0324
UNIT NAME Brunswick 2
DATE February 1985
COMPLETED BY Frances Harrison
TELEPHONE (919)457-9521

REPORT MONTH January 1985

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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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0324

UNIT NAME Brunswick 2

DATE February 1985

COMPLETED BY Frances Harrison

TELEPHONE (919)457-9521

REPORT MONTH January 1985

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	LCO-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.
3-Automatic Scram.
4-Continuations
5-Load Reductions
6-Other

⁴
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⁵
Exhibit I - Same Source

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CP&L

Carolina Power & Light Company

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

February 6, 1985

*file Room
EW-350*

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.D.

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

FH/vt/LETGG

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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