

OPERATING DATA REPORT

UNIT NO. 950-0425  
 DATE 6-30-85  
 COMPLETED BY BRUCE HARRISON  
 TELEPHONE (919) 485-2521

LOADING STATUS

1. UNIT NAME BRUNSWICK UNIT 1
2. REPORTING PERIOD: DECEMBER 84
3. AVERAGE THERMAL POWER (MWT): 2436
4. NAMEPLATE RATING (GROSS MWE): 841.0
5. DESIGN ELECTRICAL RATING (NET MWE): 821.0
6. MAX DEPENDABLE CAPACITY (GROSS MWE): 810.0
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. POINT 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	48305.00
12. NUMBER OF HOURS REACTOR CRITICAL	514.48	7023.88	43421.86
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	470.35	6800.30	40808.83
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MMWH)	953892.78	15621902.35	84049196.92
17. GROSS ELEC. ENERGY GEN. (MMWH)	319645.00	5195046.00	27742097.00
18. NET ELEC. ENERGY GENERATED (MWH)	307169.00	5031943.00	26645783.00
19. UNIT CAPACITY FACTOR	63.22	77.47	79.85
20. UNIT AVAILABILITY FACTOR	53.22	67.82	69.86
21. UNIT CAP. FACTOR (USING MDC NET)	52.26	72.51	69.38
22. UNIT CAP. FACTOR (USING DER NET)	50.29	67.73	67.52
23. UNIT FORCED OUTAGE RATE	.00	8.56	21.01
24. SHUTDOWNS OF UNIT 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

8502150639 841231  
 PDR AD0CK 05000324  
 R PDR

JE24  
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APPENDIX

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

OPERATIONS SUMMARY  
BRUNSWICK UNIT 1

Brunswick Unit 1 operated at a 63.22% availability factor for the month of December with a 52.26% capacity factor. The unit synchronized to the grid on December 12, 1984, after the local leak rate testing outage. 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 December 1984

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

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
84-083	84 1029	S	278.6	B	2	N/A			<p>Local leak rate testing and IGSCC inspection.</p> <p>All valves that failed the LLRT were repaired, weld overlays were performed on IGSCC inspection failures, and RWCU pipe replacement was performed after IGSCC inspection.</p>

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Continuations  
 5-Load Reductions  
 6-Other

<sup>4</sup>  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

<sup>5</sup>  
 Exhibit I - Same Source

APPENDIX B  
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324  
UNIT BRUNSWICK UNIT 2  
DATE 31/08/85  
COMPLETED BY FRANCES HARRISON  
TELEPHONE (919)457-9521

DECEMBER 1984

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-8	17	-12
2	-8	18	95
3	-8	19	514
4	-6	20	654
5	-7	21	706
6	-9	22	615
7	-11	23	756
8	-8	24	788
9	-7	25	789
10	-8	26	789
11	-11	27	788
12	-11	28	788
13	-11	29	773
14	-10	30	785
15	-10	31	785
16	-10		

OPERATING DATA REPORT

DOCKET NO. 050-0324  
 DATE 01/08/85  
 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	6784.00	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)	237753.00	1491995.00	27601693.00
18. NET ELEC. ENERGY GENERATED (MWH)	227231.00	1392645.00	26420463.00
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 ACHEIVED

INITIAL CRITICALITY	-----	-----
INITIAL ELECTRICITY	-----	-----
COMMERCIAL OPERATION	-----	-----

APPENDIX

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

OPERATIONS SUMMARY  
BRUNSWICK UNIT 2

Brunswick Unit 2 was returned to service on December 18, 1984, after the scram. Unit 2 operated at a 43.24% availability for the month of December with a 38.66% capacity factor. 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 January 1985  
 COMPLETED BY Frances Harrison  
 TELEPHONE (919) 457-9521

REPORT MONTH December 1984

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
84-036	841127	F	507.9	A	3	N/A			Reactor Scram - Main turbine tripped on moisture separator high level.  MSR level switch was replaced and all MSR level switches were checked and calibrated.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Continuations  
 5-Load Reductions  
 6-Other

<sup>4</sup>  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

<sup>5</sup>  
 Exhibit I - Same Source



Carolina Power & Light Company

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

January 7, 1985

FILE: B09-13510C  
SERIAL: BSEP/85-0040

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 December 1984.

Very truly yours,

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

FH/dgr/LET CG

Enclosures

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

DESIGNATED ORIGINAL  
Certified By Mr. Beebe 02/06/85

IE24  
1/1



APPENDIX B  
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325  
UNIT BRUNSWICK UNIT 1  
DATE 01/08/85  
COMPLETED BY FRANCES HARRISON  
TELEPHONE (919)457-7521

DECEMBER 1984

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-10	17	700
2	-10	18	697
3	-10	19	693
4	-10	20	690
5	-10	21	688
6	-10	22	685
7	-11	23	661
8	-13	24	754
9	-13	25	736
10	-13	26	737
11	-13	27	730
12	93	28	728
13	330	29	724
14	488	30	724
15	638	31	720
16	707		