

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325
UNIT BRUNSWICK UNIT 1
DATE 12/05/83
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

NOVEMBER 1983

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-6	17	-17
2	-6	18	105
3	-7	19	484
4	-7	20	648
5	-6	21	723
6	-7	22	648
7	-11	23	717
8	-11	24	765
9	-13	25	421
10	-13	26	-13
11	-14	27	-12
12	-14	28	222
13	-14	29	651
14	-14	30	672
15	-14		
16	-16		

OPERATING DATA REPORT

DOCKET NO. 050-0325
 DATE 12/05/83
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 1		NOTES	
2. REPORTING PERIOD: NOVEMBER 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	720.00	8016.00	58777.00
12. NUMBER OF HOURS REACTOR CRITICAL	301.04	1834.45	35722.92
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	246.55	1456.78	33426.81
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	448430.57	2996280.00	66892298.86
17. GROSS ELEC. ENERGY GEN. (MWH)	150099.00	971510.00	22033698.00
18. NET ELEC. ENERGY GENERATED (MWH)	140225.00	890235.00	21115354.00
19. UNIT SERVICE FACTOR	34.24	18.17	56.87
20. UNIT AVAILABILITY FACTOR	34.24	18.17	56.87
21. UNIT CAP. FACTOR (USING MDC NET)	24.65	14.06	45.47
22. UNIT CAP. FACTOR (USING DER NET)	23.72	13.53	43.76
23. UNIT FORCED OUTAGE RATE	18.64	3.73	23.32
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: November 1983
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT NO. 1

Brunswick Unit No. 1 operated at a 34.24% availability factor for the month of November with a 24.65% 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 November 1983DOCKET NO. 050-0325UNIT NAME Brunswick IDATE December 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
83022	831123	F	00	B	5	NA	ZZ	ZZZZZZ	Reduced power 2% to commence TIP run due to core thermal limits. Rod pattern adjusted

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 November 1983

DOCKET NO. 050-0325
 UNIT NAME Brunswick I
 DATE December 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
83026	831125	F	56.5	A	1	NA	XX	VESSEL	Unit separated from grid for drywell floor drain in-leakage

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 12/05/83
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

NOVEMBER 1983

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	709	17	-7
2	10	18	-8
3	-12	19	-9
4	-12	20	-9
5	-11	21	-8
6	-11	22	-12
7	-9	23	-6
8	-7	24	-10
9	-9	25	-9
10	-9	26	-8
11	-9	27	-9
12	-7	28	-9
13	-7	29	-8
14	-8	30	-8
15	-8		
16	-7		

OPERATING DATA REPORT

DOCKET NO. 050-0324
 DATE 12/06/83
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 2		NOTES	
2. REPORTING PERIOD: NOVEMBER 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	720.00	8016.00	70801.00
12. NUMBER OF HOURS REACTOR CRITICAL	34.58	5951.30	44727.42
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	26.85	5634.73	41785.47
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	55271.87	12279737.66	78576721.02
17. GROSS ELEC. ENERGY GEN. (MWH)	18058.00	4093006.00	26109698.00
18. NET ELEC. ENERGY GENERATED (MWH)	11413.00	3941972.00	25033898.00
19. UNIT SERVICE FACTOR	3.73	70.29	59.02
20. UNIT AVAILABILITY FACTOR	3.73	70.29	59.02
21. UNIT CAP. FACTOR (USING MDC NET)	2.01	62.25	44.76
22. UNIT CAP. FACTOR (USING DER NET)	1.93	59.90	43.07
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: 12/15/83
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHEIVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

APPENDIX

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

OPERATIONS SUMMARY
BRUNSWICK UNIT NO. 2

Brunswick Unit No. 2 operated at a 3.73% availability factor for the month of November with a 2.01% capacity factor. The unit was shut down on November 2, 1983, 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 November 1983DOCKET NO. 050-0324UNIT NAME Brunswick IIDATE December 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
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 I - Same Source

(9/77)



Carolina Power & Light Company

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

December 6, 1983

FILE: B09-13510C
SERIAL: BSEP/83-3914

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 November 1983.

Very truly yours,

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

FH/kal/LETC2

Attachments

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

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