

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325
UNIT BRUNSWICK UNIT 1
DATE 02/07/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

JANUARY 1984

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	798	17	799
2	794	18	798
3	799	19	796
4	800	20	799
5	799	21	673
6	785	22	767
7	774	23	753
8	796	24	790
9	798	25	795
10	798	26	793
11	798	27	792
12	799	28	785
13	800	29	786
14	787	30	702
15	794	31	-4
16	799		

OPERATING DATA REPORT

DOCKET NO. 050-0325
 DATE 02/07/84
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 1		NOTES	
2. REPORTING PERIOD: JANUARY 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	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.00	744.00	60265.00
12. NUMBER OF HOURS REACTOR CRITICAL	721.73	721.73	37119.71
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	721.73	721.73	34810.26
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1725331.10	1725331.10	70152625.67
17. GROSS ELEC. ENERGY GEN. (MWH)	579976.00	579976.00	23127027.00
18. NET ELEC. ENERGY GENERATED (MWH)	565046.00	565046.00	22178886.00
19. UNIT SERVICE FACTOR	97.01	97.01	57.76
20. UNIT AVAILABILITY FACTOR	97.01	97.01	57.76
21. UNIT CAP. FACTOR (USING MDC NET)	96.14	96.14	46.59
22. UNIT CAP. FACTOR (USING DER NET)	92.51	92.51	44.83
23. UNIT FORCED OUTAGE RATE	2.99	2.99	22.78
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: January 1984
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT NO. 1

Brunswick Unit No. 1 operated at a 97.0% availability factor for the month of January with a 96.1% capacity factor. There was one off-line outage and three power reductions. 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 January 1984

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE February 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
84-002	840106	S	.00	B	5	NA	ZZ	XXXXXX	Reduce power 80% to perform I&C Response Time Testing on MSIV's, TCV, TSV TCV weekly, turbine bypass and CIV's.

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 1984

DOCKET NO. 050-0325
UNIT NAME Brunswick 1
DATE February, 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
84-003	840121	F	.00	A	5	NA	CB	PUMPXX	1B Rx Recirc pump tripped.

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
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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)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1984

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE February, 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
84-004	840124	S	.00	B	5	NA	--	----	Reduced power for rod shuffle.

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)

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 Method:
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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1984

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE February 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
84-006	840131	F	In Progress	A	1	NA	XX	VESSEL	Unit separated from grid for drywell floor drain leakage repair.

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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APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324
UNIT BRUNSWICK UNIT 2
DATE 02/07/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

JANUARY 1984

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-10	17	720
2	-10	18	655
3	-10	19	764
4	-11	20	755
5	135	21	706
6	416	22	716
7	408	23	712
8	406	24	724
9	432	25	724
10	573	26	727
11	653	27	722
12	703	28	719
13	639	29	720
14	509	30	724
15	711	31	724
16	706		

OPERATING DATA REPORT

DOCKET NO. 050-0324
 DATE 02/07/84
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 2		NOTES	
2. REPORTING PERIOD: JANUARY 84			
3. LICENSED THERMAL FOWER (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	72289.00
12. NUMBER OF HOURS REACTOR CRITICAL	666.80	666.80	45394.22
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	638.93	638.93	42424.40
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1275456.47	1275456.47	79852177.49
17. GROSS ELEC. ENERGY GEN. (MWH)	423307.00	423307.00	26533005.00
18. NET ELEC. ENERGY GENERATED (MWH)	409420.00	409420.00	25437238.00
19. UNIT SERVICE FACTOR	85.88	85.88	58.69
20. UNIT AVAILABILITY FACTOR	85.88	85.88	58.69
21. UNIT CAP. FACTOR (USING MDC NET)	69.66	69.66	44.54
22. UNIT CAP. FACTOR (USING DER NET)	67.03	67.03	42.86
23. UNIT FORCED OUTAGE RATE	.26	.26	15.77

24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

OFF-GAS/CONDENSER RETUBING 3-10 - 10-15-84 5500 hrs.

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. 2
DATE: January 1984
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT NO. 2

Brunswick Unit No. 2 operated at an 85.9% availability factor for the month of January with a 69.7% capacity factor. There was one off-line outage and one power reduction. Details are in Appendix D, The Unit Shutdowns and Power Reduction Log. The unit is operating at reduced power (94%) due to 1st stage drain tank East MSR manway gasket leak.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1984

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE February 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
84-004	840114	F	1.65	A	1	NA	XX	HTEXCH	Removed U-2 generator from grid to repair EHC oil leak on CIV-4. Replaced O-ring with new Viton O-ring which is the type material required in an EHC Oil System.

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
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 6-Other

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1984

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE February 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
84-007	840118	S	.00	B	5	NA	--	----	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:
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⁵
 Exhibit I - Same Source



Carolina Power & Light Company

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

February 6, 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 January 1984.

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

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