

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325
UNIT BRUNSWICK UNIT 1
DATE 05/02/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

APRIL 1984

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-11	17	792
2	-9	18	789
3	-9	19	788
4	-10	20	787
5	-10	21	771
6	-10	22	784
7	-12	23	785
8	5	24	785
9	374	25	786
10	681	26	782
11	680	27	782
12	775	28	766
13	771	29	782
14	772	30	786
15	782		
16	793		

OPERATING DATA REPORT

DOCKET NO. 050-0325
 DATE 05/02/84
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

- | | | |
|---|-------|--|
| 1. UNIT NAME: BRUNSWICK UNIT 1 | NOTES | |
| 2. REPORTING PERIOD: APRIL 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	719.00	2903.00	62424.00
12. NUMBER OF HOURS REACTOR CRITICAL	557.68	2505.76	38903.74
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	530.25	2434.08	36522.61
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1228147.40	5720509.47	74147804.04
17. GROSS ELEC. ENERGY GEN. (MWH)	408764.00	1912200.00	24459251.00
18. NET ELEC. ENERGY GENERATED (MWH)	395826.00	1858770.00	23472610.00
19. UNIT SERVICE FACTOR	73.75	83.85	58.51
20. UNIT AVAILABILITY FACTOR	73.75	83.85	58.51
21. UNIT CAP. FACTOR (USING MDC NET)	69.69	81.05	47.60
22. UNIT CAP. FACTOR (USING DER NET)	67.06	77.99	45.80
23. UNIT FORCED OUTAGE RATE	26.25	10.76	22.40
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 1
DATE: April 1984
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT 1

Brunswick Unit 1 operated at a 73.75% availability factor for the month of April with a 69.69% capacity factor. There was one off-line outage and one power reduction. Details are in Appendix D, The Unit Shutdown and Power Reduction Log.

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

*Rx scram on March 31, 1984 returned to service April 8, 1984

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1984

DOCKET NO. 0050-0325
 UNIT NAME Brunswick 1
 DATE May 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
84-025	830331	F	189.36	H	4	NA	ZZ	Valvexx	<p>RX Scram--loss of instrument air to Radwaste which resulted in CFD effluent valves to go shut and the bypass failure to open.</p> <p>Correct valving error and restore instrument air to Radwaste.</p>

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 April 1984

DOCKET NO. 050-0325
 UNIT NAME Brunswick I
 DATE May 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
84-027	840411	S	.00	B	5	NA	---	-----	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:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Continuations
 5-Load Reductions
 6-Other

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 0161)
⁵
 Exhibit I - Same Source

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324
UNIT BRUNSWICK UNIT 2
DATE 05/02/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

APRIL 1984

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

OPERATING DATA REPORT

DOCKET NO. 050-0324
 DATE 05/02/84
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (519)457-9521

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 2		NOTES	
2. REPORTING PERIOD: APRIL 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	719.00	2903.00	74448.00
12. NUMBER OF HOURS REACTOR CRITICAL	.00	1604.33	46331.75
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	.00	1566.99	43352.46
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	.00	3355120.34	81931841.36
17. GROSS ELEC. ENERGY GEN. (MWH)	.00	1110430.00	27220128.00
18. NET ELEC. ENERGY GENERATED (MWH)	-4092.00	1067115.00	26094933.00
19. UNIT SERVICE FACTOR	.00	53.98	58.23
20. UNIT AVAILABILITY FACTOR	.00	53.98	58.23
21. UNIT CAP. FACTOR (USING MDC NET)	-.72	46.53	44.37
22. UNIT CAP. FACTOR (USING DER NET)	-.69	44.77	42.69
23. UNIT FORCED OUTAGE RATE	.00	2.22	15.54
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.: 050-324
UNIT: Brunswick 2
DATE: April 1984
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT 2

Brunswick Unit 2 off-line for refueling/maintenance outage. There are 580 BWR and 144 PWR spent fuel bundles in the Brunswick 2 fuel pool. 560 bundles have been moved to spent fuel pool during refueling; of these, 156 will remain in the pool when the core is reloaded.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1984

DOCKET NO. 050-0324
UNIT NAME Brunswick II
DATE May 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
84-020	840313	S	In Progress	C	4	NA	RC	FUELXX	Refueling/Maintenance 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

S/RV FAILURE/CHALLENGES REPORT

DATE: March 31, 1984

TIME OF OCCURRENCE: 2315

DETAILS OF S/RV's FAILURE: SRV "A" was opened for approximately 20
seconds. The valve did not indicate open and was therefore shut.
SRV "E" was then opened for approximately one minute. These valves
were opened for pressure control. The tailpipe temperature recorder
indicated that both "A & B" valves actually opened. The sonic detector
for SRV "A" did not function. The valves were open for a pressure
drop of approximately 150 psig.



Carolina Power & Light Company

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

May 1, 1984

FILE: B09-13510C
SERIAL: BSEP/84-1171

Mr. R. C. DeYoung, Director
Office of Inspection & 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 April 1984.

Very truly yours,

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

FH/cjj/LETCG3

Enclosures

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

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