

APPENDIX

DOCKET NO.: 050-325
UNIT: Brunswick 1
DATE: June 1984
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY
BRUNSWICK UNIT 1

Brunswick Unit 1 operated at an 84.3% availability factor for the month of June with a 78.6% capacity factor. There was one off-line outage and three power reductions. 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.

8407110198 840630
PDR ADOCK 05000324
R PDR

IE24
1/1

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1984

DOCKET NO. 050-0325
 UNIT NAME Brunswick I
 DATE July 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
84-042	840605	F	00	B	5	NA			<p>Unable to perform PT 14.1 CRD Operability due to continued blocks from APRM upscales.</p> <p>Reduce power to 85% push rod at 8 to position 6 come up to 90% & do valve testing and PT 14.1 then increase to 100%.</p>

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 June 1984

DOCKET NO. 050-0325
 UNIT NAME Brunswick I
 DATE July 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
84-043	840609	S	00	B	5	NA			Reduced power for I&C MSIV and TCV testing.

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 June 1984

DOCKET NO. 050-0325
UNIT NAME Brunswick I
DATE July 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
84-046	840610	F	112.73	A	2	NA			Rx shutdown due to leak in heater drain pump discharge header. Cut out foundation support, repaired through wall crack in 18 inch discharge header and reinstalled foundation.

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 June 1984

DOCKET NO. 050-0325
 UNIT NAME Brunswick I
 DATE July 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
84-047	840629	S	00	B	5	NA			Rod improvement and valve testing.

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. 050-0325
UNIT BRUNSWICK UNIT 1
DATE 07/02/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

JUNE 1984			
DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	690	17	738
2	674	18	779
3	723	19	780
4	774	20	781
5	758	21	783
6	780	22	782
7	784	23	770
8	785	24	781
9	691	25	780
10	57	26	779
11	-9	27	777
12	-9	28	777
13	-10	29	762
14	0	30	742
15	484		
16	652		

OPERATING DATA REPORT

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

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 1	I	NOTES	I
2. REPORTING PERIOD: JUNE 84	I		I
3. LICENSED THERMAL POWER (MWT): 2436	I		I
4. NAMEPLATE RATING (GROSS MWE): 867.0	I		I
5. DESIGN ELECTRICAL RATING (NET MWE): 821.0	I		I
6. MAX DEPENDABLE CAPACITY (GROSS MWE): 815.0	I		I
7. MAX DEPENDABLE CAPACITY (NET MWE): 790.0	I		I

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	4367.00	63888.00
12. NUMBER OF HOURS REACTOR CRITICAL	627.13	3785.32	40183.30
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	607.27	3669.72	37758.25
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1398698.58	8544917.00	76972211.57
17. GROSS ELEC. ENERGY GEN. (MWH)	461646.00	2852966.00	25400017.00
18. NET ELEC. ENERGY GENERATED (MWH)	447226.00	2770087.00	24383927.00
19. UNIT SERVICE FACTOR	84.34	84.03	59.10
20. UNIT AVAILABILITY FACTOR	84.34	84.03	59.10
21. UNIT CAP. FACTOR (USING MDC NET)	78.63	80.29	48.31
22. UNIT CAP. FACTOR (USING DER NET)	75.66	77.26	46.49
23. UNIT FORCED OUTAGE RATE	15.66	9.97	22.01

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

PT 20.3 Outage 11-2-84 6 weeks
 (LLRT & IGSCC)

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: June 1984
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT 2

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

APPENDIX B
AVERAGE DAILY POWER LEVEL

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

JUNE 1984			
DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-5	17	-5
2	-5	18	-6
3	-5	19	-6
4	-5	20	-6
5	-5	21	-6
6	-5	22	-6
7	-5	23	-6
8	-5	24	-6
9	-5	25	-6
10	-5	26	-5
11	-6	27	-6
12	-6	28	-6
13	-6	29	-6
14	-5	30	-5
15	-6		
16	-6		

OPERATING DATA REPORT

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

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 2	I	NOTES	I
2. REPORTING PERIOD: JUNE 84	I		I
3. LICENSED THERMAL POWER (MWT): 2436	I		I
4. NAMEPLATE RATING (GROSS MWE): 867.0	I		I
5. DESIGN ELECTRICAL RATING (NET MWE): 821.0	I		I
6. MAX DEPENDABLE CAPACITY (GROSS MWE): 815.0	I		I
7. MAX DEPENDABLE CAPACITY (NET MWE): 790.0	I		I

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	4367.00	75912.00
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)	-3949.00	1059273.00	26087091.00
19. UNIT SERVICE FACTOR	.00	35.88	57.11
20. UNIT AVAILABILITY FACTOR	.00	35.88	57.11
21. UNIT CAP. FACTOR (USING MDC NET)	-.69	30.70	43.50
22. UNIT CAP. FACTOR (USING DER NET)	-.67	29.54	41.86
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 ACHIEVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1984DOCKET NO. 050-0324UNIT NAME Brunswick IIDATE July 1984COMPLETED 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
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 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



Carolina Power & Light Company

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

July 3, 1984

FILE: B09-13510C
SERIAL: BSEP/84-1591

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 June 1984.

Very truly yours,

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

FH/ag/LETJ05

Enclosures

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

IE24
1/1