

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325
UNIT BRUNSWICK UNIT 1
DATE 09/04/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

AUGUST 1984

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	449	17	736
2	-12	18	727
3	-10	19	775
4	358	20	776
5	666	21	776
6	623	22	779
7	757	23	773
8	668	24	779
9	765	25	703
10	740	26	780
11	520	27	782
12	735	28	781
13	762	29	780
14	768	30	778
15	768	31	752
16	769		

OPERATING DATA REPORT

DOCKET NO. 050-0325
 DATE 09/04/84
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 1	
2. REPORTING PERIOD: AUGUST 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	5855.00	65376.00
12. NUMBER OF HOURS REACTOR CRITICAL	704.13	5233.45	41631.43
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	687.08	5100.80	39189.33
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1554861.77	11870536.40	80297830.97
17. GROSS ELEC. ENERGY GEN. (MWH)	514820.00	3950886.00	26497937.00
18. NET ELEC. ENERGY GENERATED (MWH)	499334.00	3836161.00	25450001.00
19. UNIT SERVICE FACTOR	92.35	87.12	59.94
20. UNIT AVAILABILITY FACTOR	92.35	87.12	59.94
21. UNIT CAP. FACTOR (USING MDC NET)	84.96	82.94	49.28
22. UNIT CAP. FACTOR (USING DER NET)	81.75	79.80	47.42
23. UNIT FORCED OUTAGE RATE	7.65	8.33	21.47
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

LOCAL LEAK RATE TESTING 10/31/84 SIX WEEKS

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

S/RV FAILURE/CHALLENGES REPORT

DATE: August 1, 1984

TIME OF OCCURRENCE: 1421

DETAILS OF S/RV's FAILURE: Following Group 1, SRV A was placed to open
but no open indication was received at RTGB. NSS posttrip log and tail-
pipe temperature recorder indicated SRV A did open. When SRVs B, E,
and J were opened, the red light open indication did not remain lit
while the SRVs were opened. Temperature recorder for SRV J did not
drop as expected for the SRV to be closed, but the reactor pressure
recorder indicated constant pressure; therefore, SRV J was closed.

APPENDIX

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

OPERATIONS SUMMARY BRUNSWICK UNIT 1

Brunswick Unit 1 operated at a 92.35% availability factor for the month of August with an 84.96% capacity factor. There was an off-line outage and five 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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1984

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE September 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
84-057	840801	F	56.93		3	NA			Reactor scram-auxiliary operators using walkie talkies in reactor building on 20' elevation and -17' elevation in N.C.S. room. Secured use of radios in operating units with exception of security.

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 August 1984

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE September 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
84-060	840805	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:
 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 August 1984

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE September 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
84-061	840808	F	00	A	5	NA			Reduced power to 60% due to 1A reactor feedpump control problems

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 August 1984

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE September 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
84-063	840810	F	00	A	5	NA			Removed 1B reactor feedpump from service to repair leak on seal water line

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 August 1984

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE September 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
84-065	840817	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:
 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 August 1984DOCKET NO. 050-0325UNIT NAME Brunswick 1DATE September 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
84-066	840825	S	00	B	5	NA			Rod improvement PT-14.1 and weekly valve testing and debris filter backwash

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 09/04/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

AUGUST 1984

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

OPERATING DATA REPORT

DOCKET NO. 050-0324
 DATE 09/04/84
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 2	
2. REPORTING PERIOD: AUGUST 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	5855.00	77400.00
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)	-6131.00	1048529.00	26076347.00
19. UNIT SERVICE FACTOR	.00	26.76	56.01
20. UNIT AVAILABILITY FACTOR	.00	26.76	56.01
21. UNIT CAP. FACTOR (USING MDC NET)	-1.04	22.67	42.65
22. UNIT CAP. FACTOR (USING DER NET)	-1.00	21.81	41.04
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: 10/10/84
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHEIVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

APPENDIX

DOCKET NO.: 050-324
UNIT: Brunswick 2
DATE: September 1984
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT 2

Brunswick Unit 2 off line for refueling/maintenance outage. There are 608 BWR and 144 PWR spent fuel bundles in the Brunswick Unit 2 fuel pool.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1984

DOCKET NO. 050-0324
UNIT NAME Brunswick II
DATE September 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	840312	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

File Room
for doc files
EW-359

CP&L

Carolina Power & Light Company

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

September 4, 1984

NG
M. R. Dietz

FILE: B09-13510C
SERIAL: BSEP/84-1954

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 August 1984.

Very truly yours,

M. R. Dietz

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

FH/jlh/LETCG

Enclosures

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

IE24
11