

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325
UNIT BRUNSWICK UNIT 1
DATE 05/03/83
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

APRIL 1983

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

OPERATING DATA REPORT

DOCKET NO. 050-0325
 DATE 05/03/83
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 1	
2. REPORTING PERIOD: APRIL 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	CUMULATIVE
11. HOURS IN REPORTING PERIOD	719.00	2879.00	53640.00
12. NUMBER OF HOURS REACTOR CRITICAL	.00	.00	33888.47
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	.00	.00	31970.03
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	.00	.00	63896018.86
17. GROSS ELEC. ENERGY GEN. (MWH)	.00	.00	21062188.00
18. NET ELEC. ENERGY GENERATED (MWH)	-3497.00	-13915.00	20211204.00
19. UNIT SERVICE FACTOR	.00	.00	59.60
20. UNIT AVAILABILITY FACTOR	.00	.00	59.60
21. UNIT CAP. FACTOR (USING MDC NET)	-.62	-.61	47.70
22. UNIT CAP. FACTOR (USING DER NET)	-.59	-.59	45.89
23. UNIT FORCED OUTAGE RATE	.00	.00	24.03
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: 06/23/83
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHEIVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

APPENDIX

DOCKET NO.. 050-325
UNIT: Brunswick No.1
DATE: May 1983
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY
BRUNSWICK UNIT NO. 1

Brunswick Unit No. 1 was shut down the entire month of April for a refueling/maintenance outage.

There are 948* BWR and 160 PWR spent fuel bundles in the Brunswick No. 1 fuel pool.

*472 bundles have been moved to spent fuel during refueling; of these, 180 will remain in the pool when the core is reloaded.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1983

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE May 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
83-116	821211	S	719	C	*4	NA	RC	FUELXX	Refueling Outage

¹
 F: Forced
 S: Scheduled

² *Continued from previous month
 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

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

Effective with the enclosed monthly report, the Brunswick units have completed a conversion to a newer computerized system for reporting operating data. Small "round-off" variances can be observed when compared to earlier reports due to small software differences.

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324
UNIT BRUNSWICK UNIT 2
DATE 05/03/83
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

APRIL 1983

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	570	17	-9
2	782	18	-9
3	769	19	-9
4	783	20	-9
5	785	21	-9
6	783	22	-10
7	781	23	-10
8	551	24	-11
9	-12	25	-12
10	-10	26	-12
11	-10	27	-11
12	-10	28	-10
13	-9	29	-9
14	-9	30	-9
15	-9		
16	-9		

OPERATING DATA REPORT

DOCKET NO. 050-0324
 DATE 05/05/83
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

- | | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 2 | |
| 2. REPORTING PERIOD: APRIL 83 | |
| 3. LICENSED THERMAL POWER (MWT): 2436 | |
| 4. NAMEPLATE RATING (GROSS MWE): 867.0 | |
| 5. DESIGN ELECTRICAL RATING (NET MWL): 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	2879.00	45664.00
12. NUMBER OF HOURS REACTOR CRITICAL	247.40	2111.32	40887.44
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	186.65	2007.88	38158.62
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	428342.34	4337309.70	70634293.06
17. GROSS ELEC. ENERGY GEN. (MWH)	143518.00	1466846.00	23483538.00
18. NET ELEC. ENERGY GENERATED (MWH)	134063.00	1414706.00	22506632.00
19. UNIT SERVICE FACTOR	25.96	69.74	58.11
20. UNIT AVAILABILITY FACTOR	25.96	69.74	58.11
21. UNIT CAP. FACTOR (USING MDC NET)	23.60	62.20	43.39
22. UNIT CAP. FACTOR (USING DER NET)	22.71	59.85	41.75
23. UNIT FORCED OUTAGE RATE	.00	1.48	16.12
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)			

Maintenance/Condenser Outage- 9-3-83 22 weeks

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: 05/09/83
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

S/RV FAILURE/CHALLENGES REPORT

DATE: 3 January 1983

TIME OF OCCURENCE: 0233

DETAILS OF S/RV's FAILURE: Following a reactor scram with MSIV closure, S/RVs
lifted and reseated automatically to control initial pressure transient. Later,
two S/RVs were cycled manually to control reactor pressure. Both S/RVs lifted and
reseated normally. B21-F013B, B, C, F, G, K auto-lifted. Later during the
transient, B21-F013K and B21-F013B were manually opened to control reactor
pressure.

APPENDIX

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

OPERATIONS SUMMARY BRUNSWICK UNIT NO. 2

Brunswick Unit No. 2 operated at 25.96% availability factor for the month of April with a 23.60% capacity factor. There were two power reductions and one scheduled outage. They are detailed in Appendix D, the unit shutdowns and power reductions log.

There are 424 BWR and 144 PWR spent fuel bundles in the Brunswick No. 2 fuel pool.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1983

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE May 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
83-031	830408	S	532.35	B	1	NA	XX	XXXXXX	Dual 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)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1983DOCKET NO. 050-0324UNIT NAME Brunswick 2DATE May 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
83-032	830401	F	.0	A	5	NA	ZZ	XXXXXX	Reduced power to withdraw control rods following repair of rod block monitor channel A/B.

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 1983

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE May 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
83-033	830403	S	.0	B	5	NA	ZZ	XXXXXX	Reduced power for rod improve- ment.

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