

APPENDIX

DOCKET NO.: 050-0325
UNIT: Brunswick 1
DATE: December 1984
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY
BRUNSWICK UNIT 1

Brunswick Unit 1 separated from the grid on October 29, 1984, for the local leak rate testing and snubber outage. Details are in Appendix D, Unit Shutdowns and Power Reductions log.

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

8501280045 841203
PDR ADOCK 05000324
R PDR

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November 1984

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE December 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
84-083	84 1029	S	In Progress	B	2	N/A			Local Leak Rate Testing and Snubber 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

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 950-0325
UNIT BRUNSWICK UNIT
DATE 12/06/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (717) 437-9521

NOVEMBER 1984

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

OPERATING DATA REPORT

DOCKET NO. 050 0325
 DATE 12/06/84
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (9-7)457-9521

OPERATING STATUS

- | | NOTES |
|--|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 1 | |
| 2. REPORTING PERIOD: NOVEMBER 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	720.00	8040.00	67561.00
12. NUMBER OF HOURS REACTOR CRITICAL	.00	6509.40	42907.38
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	.00	3329.95	40418.48
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	.00	14668009.57	83095304.14
17. GROSS ELEC. ENERGY GEN. (MWH)	.00	4875401.00	27422452.00
18. NET ELEC. ENERGY GENERATED (MWH)	-5769.00	4724774.00	26338614.00
19. UNIT SERVICE FACTOR	.00	75.73	59.83
20. UNIT AVAILABILITY FACTOR	.00	78.73	59.83
21. UNIT CAP. FACTOR (USING MDC NET)	-1.01	74.39	49.35
22. UNIT CAP. FACTOR (USING DER NET)	-.98	71.58	47.48
23. UNIT FORCED OUTAGE RATE	.00	9.08	21.21
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: 12/10/84
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

APPENDIX

DOCKET NO.: 050-0324
UNIT: Brunswick 2
DATE: December 1984
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT 2

Brunswick Unit 2 was returned to service on November 2, 1984, after being separated from the grid on October 31, 1984. Unit 2 operated at a 45.05% availability for the month of November with a 22.96% capacity factor. There were four off-line outages. Details are in Appendix D, Unit Shutdowns and Power Reductions log.

There are 608 BWR and 144 PWR spent fuel bundles in the Brunswick Unit 2 fuel pool.

APPENDIX E
AVERAGE DAILY POWER LEVEL

DOCKET NO. 950-0324
UNIT BRUNSWICK UNIT 2
DATE 12/06/84
COMPLETED BY FRANCES HARRIS
TELEPHONE (919) 357-9521

NOVEMBER 1984

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-14	17	83
2	134	18	-9
3	88	19	-10
4	-13	20	-9
5	-12	21	-8
6	-13	22	-16
7	113	23	338
8	211	24	577
9	144	25	696
10	-11	26	667
11	-12	27	321
12	173	28	-13
13	353	29	-11
14	400	30	-10
15	615		
16	682		

OPERATING DATA REPORT

DOCKET NO. 050-0324

DATE 12/06/84

COMPLETED BY FRANCES HARRIS

TELEPHONE (919) 437-9321

OPERATING STATUS

1. UNIT NAME BRUNSWICK UNIT 2
2. REPORTING PERIOD: NOVEMBER 84
3. LICENSED THERMAL POWER (MW): 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 MW)
10. REASONS FOR RESTRICTION IF ANY

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	720.00	8040.00	79585.00
12. NUMBER OF HOURS REACTOR CRITICAL	388.46	2277.03	47004.45
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	324.37	1917.92	43703.39
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	453955.08	3829563.94	82397284.96
17. GROSS ELEC. ENERGY GEN. (MWH)	140279.00	1254242.36	27363940.00
18. NET ELEC. ENERGY GENERATED (MWH)	130571.00	1165414.00	26193232.00
19. UNIT SERVICE FACTOR	45.05	23.03	54.91
20. UNIT AVAILABILITY FACTOR	45.05	23.85	54.91
21. UNIT CAP. FACTOR (USING MDC NET)	22.96	18.37	41.66
22. UNIT CAP. FACTOR (USING DER NET)	22.09	17.66	40.09
23. UNIT FORCED OUTAGE RATE	25.60	11.72	15.79
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 12/10/84
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) FORECAST ACHIEVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November 1984

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE December 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
84-028	841103	S	80.4	B	1	N/A			Unit was shut down to 5% reactor power for drywell entry to check for steam leaks.

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²
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 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
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 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

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 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Continuations
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 6-Other

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 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

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 Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November 1984

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE December 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
84-030	841109	S	61.5	B	1.	N/A			Unit was shut down to investigate high drywell temperature. Performed flow balance on drywell cooler dampers.

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 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 November 1984

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE December 1984
 COMPLETED BY Frances Harrison
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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
84-032	841117	S	142.2	B	1	N/A			Unit was shut down to repair G16-F001 and G16-F004.

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 S: Scheduled

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 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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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November 1984

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE December 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
84-036	841127	F	In Progress	A	3	N/A			Reactor Scram - Main turbine tripped on moisture separator high level.

¹
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 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)
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