

OPERATING DATA REPORT

DOCKET NO. 050-0325
 DATE 10/01/84
 COMPLETED BY FRANCES HARRIS
 TELEPHONE (919)457-9521

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 1
 2. REPORTING PERIOD: SEPTEMBER 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:

NOTES

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	720.00	6575.00	66096.0
12. NUMBER OF HOURS REACTOR CRITICAL	584.85	5818.30	42216.2
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.1
14. HOURS GENERATOR ON LINE	551.25	5652.05	39740.5
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.0
16. GROSS THERMAL ENERGY GEN. (MWH)	1156275.16	13027211.56	81454506.1
17. GROSS ELEC. ENERGY GEN. (MWH)	401745.00	4352631.00	26899662.0
18. NET ELEC. ENERGY GENERATED (MWH)	388770.00	4224331.00	25838171.0
19. UNIT SERVICE FACTOR	76.56	85.96	60.1
20. UNIT AVAILABILITY FACTOR	76.56	85.96	60.1
21. UNIT CAP. FACTOR (USING MDC NET)	68.24	81.33	49.4
22. UNIT CAP. FACTOR (USING DER NET)	65.67	78.26	47.6
23. UNIT FORCED OUTAGE RATE	23.44	10.06	21.5

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) FORECAST ACHIEVED

INITIAL CRITICALITY -----
 INITIAL ELECTRICITY -----
 COMMERCIAL OPERATION -----

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0325
 UNIT NAME Brunswick I
 DATE October 1984
 COMPLETED BY FRANCIS HALLISON
 TELEPHONE (919)457-9521

REPORT MONTH September 1984

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor	Licensee Event Report #	System Codes	Component Codes	Cause & Corrective Action to Prevent Recurrence
B4-069	B40907	S	00	B	5	NA			Control rod improvement.

1
 E - Forced
 S - Scheduled

2
 Reason
 A - Equipment Failure (Explain)
 B - Maintenance of Test
 C - Refueling
 D - Regulatory Restrictions
 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

DOCKET NO. 050-0225
 UNIT NAME Brunswick 1
 DATE October 1984
 COMPLETED BY Frances Harrison
 TELEPHONE (919)457-9521

REPORT MONTH September 1984

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Codes	Component Codes	Cause & Corrective Action to Prevent Recurrence
84-071	840910	F	147.60	B	3	NA			Reactor scram - Lightning (Hurricane).

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 016F)

⁵
 Exhibit F - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0325
 UNIT NAME Brunswick J
 DATE October 1984
 COMPLETED BY Francesa Harrison
 TELEPHONE (919)457-9521

REPORT MONTH September 1984

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
84-073	840918	F	21.15	A		NA			Reactor scram - TSV fast closure.

- 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

DOCKET NO. 050-0325
 UNIT NAME Brunswick J
 DATE October 1984
 COMPLETED BY Frances Harrison
 TELEPHONE (919)457-9521

REPORT MONTH September 1984

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code	Component Codes	Cause & Corrective Action to Prevent Recurrence
04-075	840921	S	00	B	S	NA			Rod shuffle.

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

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0325
 UNIT NAME BENDSWICK I
 DATE October 1984
 COMPLETED BY Frances Harrison
 TELEPHONE (919)457-9521

REPORT MONTH September 1984

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
84-077	840928	S	00	B	5	NA			Rod improvement and turbine 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

DUCKET NO. 050-0324
UNIT BRUNSWICK UNIT 2
DATE 10/01/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

SEPTEMBER 1984

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

OPERATING DATA REPORT

DOCKET NO. 050-0324
 DATE 10/01/84
 COMPLETED BY FRANCES HARRISO
 TELEPHONE (919)457-9521

OPERATING STATUS

- | | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 2 | |
| 2. REPORTING PERIOD: SEPTEMBER 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	720.00	6575.00	78120.08
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)	-7196.00	1041333.00	26069151.00
19. UNIT SERVICE FACTOR	.00	23.83	55.49
20. UNIT AVAILABILITY FACTOR	.00	23.83	55.49
21. UNIT CAP. FACTOR (USING MDC NET)	-1.27	20.05	42.24
22. UNIT CAP. FACTOR (USING DER NET)	-1.22	19.29	40.65
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 ACHIEVED

INITIAL CRITICALITY	-----	-----
INITIAL ELECTRICITY	-----	-----
COMMERCIAL OPERATION	-----	-----

APPENDIX

DOCKET NO.: OSO-324
UNIT: Brunswick 2
DATE: October 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

DOCKET NO. 050-0324
 UNIT NAME Brunswick II
 DATE October 1984
 COMPLETED BY Frances Harrison
 TELEPHONE (919)457-9521

REPORT MONTH September 1984

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License 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 E: 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 FEBRUARY 1983

DOCKET NO. 050-0124
 UNIT NAME BRICKWICK II
 DATE AUGUST 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
03018	830203	S	308.6	B	1	NA	CH	PUMPEX	Unit separated from grid for rebuilding 2B reactor recirc pump seals

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

(9/77)

APPENDIX

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

OPERATIONS SUMMARY
BRUNSWICK UNIT 1

Brunswick Unit 1 operated at a 76.56% availability factor for the month of September with a 68.24% capacity factor. There were two off-line outages and three power reductions. Details are in Appendix D, the Unit Shutdown Power Reduction Log.

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

IE24
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APPENDIX B
AVERAGE DAILY POWER LEVEL

DUCKET NO. 050-0325
UNIT BRUNSWICK UNIT 1
DATE 10/01/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

SEPTEMBER 1984

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	638	17	642
2	758	18	314
3	779	19	219
4	778	20	641
5	776	21	683
6	775	22	654
7	748	23	755
8	609	24	780
9	698	25	781
10	289	26	780
11	-12	27	784
12	-12	28	783
13	-9	29	664
14	-9	30	787
15	-11		
16	112		