

# OPERATING DATA REPORT

DOCKET NO. 050-0325  
 DATE 02/01/82  
 COMPLETED BY FRANCES HARRISON  
 TELEPHONE 919-457-9521

## OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 1	I	NOTES	I
2. REPORTING PERIOD: JANUARY 82	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): NONE  
 10. REASONS FOR RESTRICTION IF ANY:

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.0	744.0	42745.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	29009.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1647.1
14. HOURS GENERATOR ON LINE	744.0	744.0	27283.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1688996.2	1688996.2	56106800.9
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	538864.0	538864.0	18540069.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	522086.0	522086.0	17825577.0
19. UNIT SERVICE FACTOR	100.0	100.0	63.8
20. UNIT AVAILABILITY FACTOR	100.0	100.0	63.8
21. UNIT CAPACITY FACTOR (USING MDC NET)	88.8	88.8	52.8
22. UNIT CAPACITY FACTOR (USING DER NET)	85.5	85.5	50.8
23. UNIT FORCED OUTAGE RATE	0.0	0.0	21.5
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

SNUBBERS 2/5/82 192 HOURS

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: 0/ 0/ 0  
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHEIVED

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

APPENDIX B  
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325  
UNIT BRUNSWICK UNIT 1  
DATE 02/01/82  
COMPLETED BY FRANCES HARRISON  
TELEPHONE 919-457-9521

JANUARY 82

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	754.	17	756.
2	752.	18	682.
3	751.	19	750.
4	750.	20	510.
5	746.	21	123.
6	745.	22	616.
7	741.	23	708.
8	695.	24	731.
9	531.	25	752.
10	756.	26	729.
11	754.	27	744.
12	758.	28	742.
13	756.	29	741.
14	754.	30	727.
15	753.	31	738.
16	708.		

APPENDIX

Docket No: 050-325  
Unit: Brunswick No. 1  
Date: January 1981  
Completed By: Frances Harrison

OPERATIONS SUMMARY  
BRUNSWICK UNIT NO. 1

Brunswick Unit No. 1 operated at 100 percent availability factor for the month of January with an 88.8 percent capacity factor.

There are 476 BWR and 160 PWR spent fuel bundles in the Brunswick Unit No. 1 fuel pool.

DOCKET NO. 050-0324  
DATE 02/01/82  
COMPLETED BY FRANCES HARRISON  
TELEPHONE 919-457-9521

UNIT NAME:	BRUNSWICK UNIT 2	I	NOTES	I
REPORTING PERIOD:	JANUARY 82	I		I
LICENSED THERMAL POWER (MWT):	2436	I		I
NAMEPLATE RATING (GROSS MWE):	867.0	I		I
DESIGN ELECTRICAL RATING (NET MWE):	821.0	I		I
MAX DEPENDABLE CAPACITY (GROSS MWE):	815.0	I		I
MAX DEPENDABLE CAPACITY (NET MWE):	790.0		-----	
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): NONE  
10. REASONS FOR RESTRICTION IF ANY:

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.0	744.0	54769.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	521.9	521.9	35688.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE	475.4	475.4	33244.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	866323.0	866323.0	60863860.6
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	275890.0	275890.0	20269827.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	264231.0	264231.0	19453644.0
19. UNIT SERVICE FACTOR	63.9	63.9	60.7
20. UNIT AVAILABILITY FACTOR	63.9	63.9	60.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	45.0	45.0	45.0
22. UNIT CAPACITY FACTOR (USING DER NET)	43.3	43.3	43.3
23. UNIT FORCED OUTAGE RATE	35.9	35.9	17.4
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):	REFUELING 4/27/82 1750 HOURS		

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: 0/ 0/ 0  
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHEIVED

APPENDIX B  
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324  
UNIT BRUNSWICK UNIT 2  
DATE 02/01/82  
COMPLETED BY FRANCES HARRISON  
TELEPHONE 919-457-9521

JANUARY 82

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	685.	17	46.
2	681.	18	472.
3	680.	19	504.
4	670.	20	186.
5	662.	21	-12.
6	658.	22	-11.
7	580.	23	-12.
8	575.	24	-12.
9	605.	25	-12.
10	540.	26	-11.
11	593.	27	-11.
12	564.	28	-2.
13	272.	29	387.
14	-12.	30	511.
15	357.	31	513.
16	364.		

## APPENDIX

Docket No: 050-324  
Unit: Brunswick No. 2  
Date: January 1981  
Completed By: Frances Harrison

### OPERATIONS SUMMARY BRUNSWICK UNIT NO. 2

Brunswick Unit No. 2 operated at 63 percent availability factor for the month of January with a 45.0 percent capacity factor. There were three off-line outages this month. They are detailed in Appendix D, the unit shutdowns and power reduction log.

There are 264 BWR and 144 PWR spent fuel bundles in the Brunswick Unit No. 2 fuel pool.

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1982

DOCKET NO. 050-0325  
 UNIT NAME Brunswick 2  
 DATE February 1982  
 COMPLETED BY Frances Harrison  
 TELEPHONE (919)457-9521

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
82-008	820113	F	38.5	A	3	NA	CB	PUMPXX	Rx scram-Recirc. Pump Runaway.  Checked operation of 2A scoop tube positioner MS/V converter and control loop. Also inspected feedback tach brushes/commutator.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Continuations  
 5-Load Reductions  
 6-Other

<sup>4</sup>  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup>  
 Exhibit I - Same Source



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1982

DOCKET NO. 050-0325  
 UNIT NAME Brunswick 2  
 DATE February 1982  
 COMPLETED BY Frances Harrison  
 TELEPHONE (919)457-9521

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
82-010	82/01/16	F	25.1	*H	3	NA	IB	INSTRU	I&C replaced SJAE low pressure switch 2-MS-PSL-890. Replaced FU3 in cabinet J17 to restore SJAE Logic. Complete installation of new switch as per plant mod which upgrades pressure capacity of switch.

<sup>1</sup> F: Forced  
S: Scheduled

<sup>2</sup> 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)

<sup>3</sup> Method:  
1-Manual  
2-Manual Scram.  
3-Automatic Scram.  
4-Continuations  
5-Load Reductions  
6-Other

<sup>4</sup> Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER) File (NUREG-  
0161)

<sup>5</sup> Exhibit I - Same Source



# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1982

DOCKET NO. 050-0325  
 UNIT NAME Brunswick 2  
 DATE February 1982  
 COMPLETED BY Frances Harrison  
 TELEPHONE (919)457-9521

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
82-012	820120	F	205.0	H	3	NA	IE	INSTRU	Vibration on scram discharge volume level switches during pipe hanger mod caused scram.  Workers were told to finish hanger mod on switches while unit was down. No work on hangers by the switches if unit is up.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Continuations  
 5-Load Reductions  
 6-Other

<sup>4</sup>  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup>  
 Exhibit I - Same Source