

APPENDIX B  
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325  
UNIT BRUNSWICK UNIT 1  
DATE 08/03/82  
COMPLETED BY FRANCES HARRISON  
TELEPHONE 919-457-9521

JULY 82

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	606.	17	-12.
2	596.	18	-8.
3	593.	19	-8.
4	591.	20	-8.
5	589.	21	-8.
6	587.	22	-10.
7	582.	23	-9.
8	580.	24	-8.
9	576.	25	-8.
10	335.	26	-9.
11	70.	27	-10.
12	495.	28	-9.
13	600.	29	-10.
14	571.	30	-10.
15	479.	31	-10.
16	433.		

# OPERATING DATA REPORT

DOCKET NO. 050-0325  
 DATE 08/03/82  
 COMPLETED BY FRANCES HARRISON  
 TELEPHONE 919-457-9521

## OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 1	I	NOTES	I
2. REPORTING PERIOD: JULY 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	5087.0	47088.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	366.7	4352.0	32617.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1647.1
14. HOURS GENERATOR ON LINE	358.2	4224.5	30764.1
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	654785.0	7541286.9	61959091.5
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	207507.0	2425439.0	20426647.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	195573.0	2333300.0	19636791.0
19. UNIT SERVICE FACTOR	48.1	83.0	65.3
20. UNIT AVAILABILITY FACTOR	48.1	83.0	65.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	33.3	58.1	52.8
22. UNIT CAPACITY FACTOR (USING DER NET)	32.0	55.9	50.8
23. UNIT FORCED OUTAGE RATE	51.9	14.4	21.0
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: 8/ 5/82  
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORCAST ACHEIVED

INITIAL CRITICALITY	-----	-----
INITIAL ELECTRICITY	-----	-----
COMMERICAL OPERATION	-----	-----

## APPENDIX

Docket No: 050-325  
Unit: Brunswick No. 1  
Date: August 1982  
Completed by: Frances Harrison

### OPERATIONS SUMMARY BRUNSWICK UNIT NO. 1

Brunswick Unit No. 1 operated at 48.1 percent availability factor for the month of July with a 33.3 percent capacity factor. There were two off-line outages this month. They are detailed in Appendix D, the unit shutdowns and power reduction log. The unit operated at reduced power because of core coastdown.

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

Investigation on Outage Report #82-074 completed. It is included in this months report.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1982

DOCKET NO. 050-0325  
 UNIT NAME Brunswick 1  
 DATE August 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
82-074	820607	F	37.1	A	3	NA	HB	VALVEX	<p>RX SCRAM - Blown fuse to MSIV</p> <p>Wire on position indication for MSIV was found grounded. Wire was lifted. Problem will be repaired during the fall 1982 Refueling Outage as TT #1-E-82-2014.</p>

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

<sup>2</sup>  
 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)

<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 July 1982

DOCKET NO. 050-0325  
 UNIT NAME Brunswick I  
 DATE August 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
82-089	July 10, 1982	F	24.2	A	3	NA	HA	TURBINE	<p>Turbine trip as a result of defective tracking rectifier.</p> <p>Defective rectifier was taken out of service. Presently EHC is being fed by alternate until rectifier can be repaired.</p>

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

<sup>2</sup>  
 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)

<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 July 1982

DOCKET NO. 050-0325  
UNIT NAME Brunswick 1  
DATE August 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
82-90	820711	S	94.6	F	5	NA	RC	ZZZZZZ	END OF CYCLE COASTDOWN.  ALL RODS OUT AND 100% CORE FLOW.

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

<sup>2</sup>  
Reasons:  
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)

<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 July 1982DOCKET NO. 050-0325UNIT NAME Brunswick IDATE August 1982COMPLETED BY Frances HarrisonTELEPHONE (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- 92	July 16, 1982	F	(in progress)	B	1	NA	XX	ZZZZZZ	Local Leak Rate Testing  (LLRT outage in progress)

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

<sup>2</sup>  
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)

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

<sup>4</sup>  
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0161)

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

APPENDIX B  
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324  
UNIT BRUNSWICK UNIT 2  
DATE 08/03/82  
COMPLETED BY FRANCES HARRISON  
TELEPHONE 919-457-9521

JULY 82

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



# OPERATING DATA REPORT

DOCKET NO. 050-0324  
 DATE 08/03/82  
 COMPLETED BY FRANCES HARRISON  
 TELEPHONE 919-457-9521

## OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 2	I	NOTES	I
2. REPORTING PERIOD: JULY 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	5087.0	59112.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	2465.2	37632.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE	0.0	2384.6	35153.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0.0	4467965.8	64465503.4
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0.0	1415289.0	21409226.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	-7095.0	1344813.0	20534226.0
19. UNIT SERVICE FACTOR	0.0	46.9	59.5
20. UNIT AVAILABILITY FACTOR	0.0	46.9	59.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	-1.2	33.5	44.0
22. UNIT CAPACITY FACTOR (USING DER NET)	-1.2	32.2	42.3
23. UNIT FORCED OUTAGE RATE	0.0	17.1	17.1
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: 8/ 5/82  
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHEIVED

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

## APPENDIX

Docket No: 050-324  
Unit: Brunswick No. 2  
Date: August 1982  
Completed by: Frances Harrison

### OPERATIONS SUMMARY BRUNSWICK UNIT NO. 2

Brunswick Unit No. 2 was shut down the entire month of July for a refueling outage. Estimated startup date is August 5, 1982.

There are 824 BWR and 144 PWR spent fuel bundles in the Brunswick No. 2 fuel pool.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1982

DOCKET NO. 050-0325  
UNIT NAME Brunswick II  
DATE August 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
82-054	Aug. 4, 1982	S	744	C	4	NA	RC	FUELXX	Refueling outage

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

<sup>2</sup>  
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)

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

<sup>4</sup>  
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<sup>5</sup>  
Exhibit I - Same Source