

APPENDIX B  
 AVERAGE DAILY POWER LEVEL

DOCKERY NO. 1 5000-4000  
 UNIT 1 5000-4000  
 UNIT 2 5000-4000  
 UNIT 3 5000-4000  
 UNIT 4 5000-4000  
 UNIT 5 5000-4000

AUGUST 88

DAY AVG. DAILY POWER LEVEL  
 (MWB-NET)

DAY AVG. DAILY POWER LEVEL  
 (MWB-NET)

1 0.  
 2 0.  
 3 0.  
 4 0.  
 5 0.  
 6 0.  
 7 0.  
 8 0.  
 9 0.  
 10 0.  
 11 0.  
 12 0.  
 13 0.  
 14 0.  
 15 0.  
 16 0.

17 0.  
 18 0.  
 19 0.  
 20 0.  
 21 0.  
 22 92.  
 23 228.  
 24 247.  
 25 177.  
 26 0.  
 27 0.  
 28 241.  
 29 267.  
 30 233.  
 31 211.

OPERATING DATA REPORT

DOCKET NO. 858-0325  
 DATE 09/03/38  
 COMPLETED BY: 80018 ALL LTB  
 TELEPHONE 914-447-4821

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 1  
 2. REPORTING PERIOD: AUGUST 38  
 3. ELECTRICAL THERMAL POWER (MWT): 2436  
 4. THERMAL INPUT (GROSS MWB): 867.0  
 5. THERMAL EFFICIENCY (NET MWB): 821.0  
 6. MAXIMUM THERMAL CAPACITY (GROSS MWB): 915.0  
 7. MAXIMUM THERMAL CAPACITY (NET MWB): 790.0  
 8. DO ANY EVENTS OCCUR IN CAPACITY RATINGS (TYPE 3 THRU 7) SINCE LAST REPORT, GIVE DETAILS:

9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWB): NONE  
 10. REASONS FOR RESTRICTION IF ANY:

	THIS MONTH	VS TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744.0	808.0	808.0
12. NUMBER OF HOURS RECTOR WAS CRITICAL	286.0	296.0	296.0
13. NUMBER OF HOURS SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS RECTOR ON LINE	166.7	312.0	312.0
15. UNIT SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	19921.6	24201.6	24201.6
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	8407.6	21000.0	21000.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	8025.0	20640.0	20640.0
19. UNIT EFFICIENCY FACTOR	42.4	38.6	44.6
20. UNIT AVAILABILITY FACTOR	22.4	38.6	44.6
21. UNIT CAPACITY FACTOR (USING NET)	9.4	44.7	56.3
22. UNIT CAPACITY FACTOR (USING GROSS)	9.0	40.6	51.7
23. UNIT FORCED OUTAGE RATE	26.2	11.7	26.0
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: 9/ 8/ 38  
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST FORECAST

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1980

DOCKET NO. 050-0325  
 UNIT NAME Brunswick No. 1  
 DATE September 1980  
 COMPLETED BY Eulis A. Willis  
 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
019	800526	S	2110.7	C	3	N/A	RC	FuelXX	<p>The unit was separated from the grid for a planned refueling/maintenance outage.</p> <p>The outage was extended beyond its scheduled date because of unanticipated maintenance and regulatory problems.</p> <p>For a more complete description of the outage and associated corrective action(s) contact R. M. Coats, Manager of Nuclear Operations Administration (919) 836-6031.</p>

<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-Other (Explain)

<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 August 1980

DOCKET NO. 050-0325  
 UNIT NAME Brunswick No. 2  
 DATE September 1980  
 COMPLETED BY Eulis A. Willis  
 TELEPHONE (919) 457-9521

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	License Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
020	800825	F	59.2	D	2	1-80-65	MA	ZZZZZZ	<p>Reactor coolant conductivity exceeded 2 MMHO/CM which is the limit permitted by technical specification. Operation between 2 MMHO/CM and 10 MMHO/CM can continue up to 24 hours. After the 24 hour allowable time, the unit must be shut down in the next 12 hours. Efforts to reduce the conductivity were:</p> <ol style="list-style-type: none"> <li>1. Makeup to condenser hotwell was changed from the condensate storage tank to makeup water treatment.</li> <li>2. Control rod drive flow to the Reactor vessel was reduced.</li> <li>3. Repairs were performed on the Reactor Water Cleanup system (cont)</li> </ol>

<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-Other (Explain)

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

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1980

DOCKET NO. 050-0325  
 UNIT NAME Brunswick No. 2  
 DATE September 1980  
 COMPLETED BY Eulis Willis  
 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
									<p>and a filter placed in service.</p> <p>4. Reactor power was reduced and forward pump heat drain was routed to the condenser.</p> <p>The apparent cause of the conductivity increase was the breakdown of an unidentified organic substance in the Reactor vessel during power level increase. The substance came from the condensate storage tank which receives makeup from makeup water treatment and Radwaste. It is believed that the organic substance came from the Radwaste processes.</p> <p>1. Additional maintenance was performed on the Reactor Water Cleanup System. (Cont'd)</p>

<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-Other (Explain)

<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

DOCKET NO. 050-0325  
 UNIT NAME Brunswick No. 2  
 DATE September 1980  
 COMPLETED BY Ellis Willis  
 TELEPHONE (919) 457-9521

REPORT MONTH August 1980

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
									<p>2. The condensate was drained as low as possible and diluted with water from makeup water treatment.</p> <p>A 1 PPM total organic carbon limit has been placed on all water returned to the condensate storage tank from Radwaste processes.</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-Other (Explain)

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

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

APPENDIX

Docket No.: 050-0325  
Unit: Brunswick No. 1  
Date: September 1980  
Completed By: Eulis A. Willis

OPERATIONS SUMMARY

BRUNSWICK No. 1

Brunswick Unit No. 1 synchronized to the grid August 22, 1980 at 1400, completing a 2110.7 hour refueling and maintenance outage. The outage was extended beyond its scheduled completion date because of unanticipated maintenance and regulatory problems. If further information on the refueling outage is needed, a detailed description is on file and may be obtained by contacting R. M. Coats at (919) 836-6031. The unit was forced "off-line" one other time the month of August resulting in a 9.4% capacity factor. Unit availability factor was 22.4% for the month. A detailed description of the forced outage is provided in the unit shutdown and power reductions log (Appendix D) provided with this report.

There are 476 BWR and 154 PWR spent fuel bundles stored in the Brunswick Unit No. 1 fuel pool.

APPENDIX B  
 AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324  
 UNIT BRUNSWICK UNIT 2  
 DATE 8/26/88  
 COMPLETED BY BULIS WILLIS  
 TELEPHONE 919-457-9821

AUGUST 88

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	0.	17	0.
2	0.	18	0.
3	0.	19	0.
4	0.	20	0.
5	0.	21	0.
6	0.	22	0.
7	0.	23	0.
8	0.	24	0.
9	0.	25	0.
10	0.	26	0.
11	0.	27	0.
12	0.	28	0.
13	0.	29	0.
14	0.	30	0.
15	0.	31	0.
16	0.		



OPERATING DATA REPORT

DOC NO. 388-5524  
 UNIT NO. 1  
 UNIT NAME: BULLBANK UNIT 1  
 UNIT TYPE: COAL

OPERATING DATA

UNIT NAME: BULLBANK UNIT 1  
 UNIT NO.: 1  
 UNIT TYPE: COAL  
 UNIT STATUS: OPERATING  
 UNIT CAPACITY: 1000 MW  
 UNIT EFFICIENCY: 40.0%  
 UNIT COST: \$100,000,000  
 UNIT IN SERVICE SINCE: 1971

9. UNIT IS SUBJECT TO ANY RESTRICTIONS IN ANY (NET MW): NONE  
 10. UNIT IS SUBJECT TO ANY RESTRICTIONS IN ANY:

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN OPERATING PERIOD	744.8	8808.8	12000.0
12. HOURS OF UNPLANNED OUTAGE	0.0	100.0	100.0
13. HOURS OF PLANNED OUTAGE	0.0	0.0	0.0
14. HOURS OF UNPLANNED OUTAGE	0.0	100.0	100.0
15. HOURS OF PLANNED OUTAGE	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	0.0	16000.0	16000.0
17. NET THERMAL ENERGY GENERATED (MWH)	0.0	9700.0	9700.0
18. UNIT EFFICIENCY FACTOR	0.0	60.6%	60.6%
19. UNIT CAPACITY FACTOR (USING MDC NET)	0.0	11.8%	11.8%
20. UNIT CAPACITY FACTOR (USING DER NET)	0.0	17.0%	17.0%
21. UNIT OPERATING RATE	0.0	0.1	0.1
22. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)			

23. IS SHUTDOWN BY END OF REPORT PERIOD, ESTIMATED DATE OF START UP: 9/1/78  
 24. UNIT IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST 10/1/78

INITIAL CRITICALITY: .....  
 INITIAL ELECTRICITY: .....  
 COMMERCIAL OPERATION: .....

APPENDIX

Docket No.: 050-0324  
Unit: Brunswick No. 2  
Date: September 1980  
Completed By: Eulis A. Willis

OPERATIONS SUMMARY

BRUNSWICK No. 2

Brunswick Unit No. 2 was off-line the entire month of August. The unit was shutdown March 1, 1980 for a refueling outage and is expected back on-line September 11, 1980. A detailed description of the outage will be provided in this report the month Unit 2 returns to service.

There are 264 BWR and 105 PWR spent fuel bundles stored in the Brunswick Unit No. 2 fuel pool.