

CP&L CO  
RUN DATE 04/02/90  
RUN TIME 14:13:55

PLANT PERFORMANCE DATA SYSTEM  
APPENDIX B - AVERAGE DAILY POWER LEVEL  
BRUNSWICK UNIT 1

PAGE 1  
RPD39-000

DOCKET NO. 050-0325  
COMPLETED BY RONALD RUMPLE  
TELEPHONE (919)457-2752

MARCH 1990

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	784	17	765
2	767	18	768
3	732	19	778
4	782	20	779
5	783	21	779
6	783	22	780
7	782	23	780
8	781	24	765
9	767	25	755
10	761	26	779
11	783	27	779
12	783	28	781
13	781	29	780
14	780	30	780
15	780	31	773
16	780		

1.16 - 8

9004170075 900403  
PDR ADOCK 05000324  
R PDR

CP&L CU  
 RUN DATE 04/02/90  
 RUN TIME 14:13:57

PLANT PERFORMANCE DATA SYSTEM  
 OPERATING DATA REPORT  
 BRUNSWICK UNIT 1

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DOCKET NO. 050-0325  
 COMPLETED BY RONALD RUMPLE  
 TELEPHONE (919)457-2752

OPERATING STATUS

- |   | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 1  |       |
| 2. REPORTING PERIOD: MARCH 90   |       |
| 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	744.00	2160.00	114288.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	2160.00	75513.91
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	744.00	2160.00	72113.04
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1798007.70	5183277.93	154652790.49
17. GROSS ELEC. ENERGY GEN. (MWH)	593375.00	1713250.00	50775280.00
18. NET ELEC. ENERGY GENERATED (MWH)	576722.00	1664461.00	48845609.00
19. UNIT SERVICE FACTOR	100.00	100.00	63.10
20. UNIT AVAILABILITY FACTOR	100.00	100.00	63.10
21. UNIT CAP. FACTOR (USING MDC NET)	98.12	97.54	54.10
22. UNIT CAP. FACTOR (USING DER NET)	94.42	93.86	52.06
23. UNIT FORCED OUTAGE RATE	.00	.00	15.15
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:  
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

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

DOCKET NO.: 050-0325  
UNIT: Brunswick 1  
DATE: April 1990  
COMPLETED BY: Ronald Rumble

OPERATIONS SUMMARY  
BRUNSWICK UNIT 1

Unit 1 operated at a 98.12% capacity factor and a 100% availability factor for the month of March 1990. There were two power reductions.

There are 1110 BWR and 160 PWR spent fuel bundles in the Brunswick Unit 1 fuel pool.

UNIT SHUTDOWNS AND POWER REDUCTIONS  
 REPORT MONTH March 1990

DOCKET NO. 050-0325  
 UNIT NAME Brunswick 1  
 DATE April 1990  
 COMPLETED BY Ronald Rumble  
 TELEPHONE 919-457-2752

NO.	DATE	TYPE 1	DURATION (HOURS)	REASON 2	METHOD OF SHUTTING DOWN REACTOR	LICENSEE EVENT REPORT NO.	SYSTEM CODE 4	COMPONENT CODE 5	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
90-020	900321	F		A	5				Oscillations of Rx. Recirc. MG set 'B' scoop tube caused by sensitivity adjustment of positioner.  Backed Rx. Recirc. Pump 'B' speed down until oscillations ceased and adjusted sensitivity of Bailey scoop tube positioner.

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  
REPORT MONTH March 1990

DOCKET NO. 050-0325  
UNIT NAME Brunswick 1  
DATE April 1990  
COMPLETED BY Ronald Rumble  
TELEPHONE 519-457-2752

NO.	DATE	TYPE 1	DURATION {HOURS}	REASON 2	METHOD OF SHUTTING DOWN REACTOR	LICENSEE EVENT REPORT NO.	SYSTEM CODE 4	COMPONENT CODE 5	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
90- 022	900331	F		A	5				Circulating water intake pumps tripped-reduced power to 75%.  Root cause undetermined at this time. Suspect high d/p across trash racks from debris buildup.

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  
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CP&L CO  
RUN DATE 04/02/90  
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PLANT PERFORMANCE DATA SYSTEM  
APPENDIX B - AVERAGE DAILY POWER LEVEL  
BRUNSWICK UNIT 2

PAGE 2  
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DOCKET NO. 050-0324  
COMPLETED BY RONALD RUMPLE  
TELEPHONE (919)457-2752

MARCH 1990

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-10	17	29
2	-11	18	211
3	-10	19	217
4	-10	20	384
5	-10	21	523
6	-6	22	712
7	-7	23	762
8	-7	24	749
9	-11	25	741
10	-11	26	767
11	-12	27	768
12	-13	28	768
13	-14	29	768
14	-13	30	768
15	-17	31	768
16	65		

CP&L CO  
 RUN DATE 04/02/90  
 RUN TIME 14:13:57

PLANT PERFORMANCE DATA SYSTEM  
 OPERATING DATA REPORT  
 BRUNSWICK UNIT 2

PAGE 2  
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DOCKET NO. 050-0324  
 COMPLETED BY RONALD RUMPLE  
 TELEPHONE (919)457-2752

OPERATING STATUS

- |   | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 2  |       |
| 2. REPORTING PERIOD: MARCH 90   |       |
| 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	744.00	2160.00	126312.00
12. NUMBER OF HOURS REACTOR CRITICAL	460.68	460.68	79010.79
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	356.35	356.35	74729.69
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	701813.55	701813.55	155789207.91
17. GROSS ELEC. ENERGY GEN. (MWH)	224432.00	224432.00	50396588.00
18. NET ELEC. ENERGY GENERATED (MWH)	212148.00	203383.00	48302788.00
19. UNIT SERVICE FACTOR	47.90	16.50	59.16
20. UNIT AVAILABILITY FACTOR	47.90	16.50	59.16
21. UNIT CAP. FACTOR (USING MDC NET)	36.09	11.92	48.41
22. UNIT CAP. FACTOR (USING DER NET)	34.73	11.47	46.58
23. UNIT FORCED OUTAGE RATE	.00	.00	12.57
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:  
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

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

DOCKET NO.: 050-0324  
UNIT: Brunswick 2  
DATE: April 1990  
COMPLETED BY: Ronald Rumble

OPERATIONS SUMMARY  
BRUNSWICK UNIT 2

Unit 2 returned to service on March 16, 1990, after refueling/maintenance outage. Unit 2 operated at a 36.09% capacity factor and a 47.9% availability factor for the month of March 1990.

There are 1108 BWR and 144 PWR spent fuel bundles in the Brunswick Unit 2 fuel pool.

There was one power reduction and one SRV failure/challenge.



UNIT SHUTDOWNS AND POWER REDUCTIONS  
 REPORT MONTH March 1990

DOCKET NO. 050-0324  
 UNIT NAME Brunswick 2  
 DATE April 1990  
 COMPLETED BY Ronald Rumble  
 TELEPHONE 919-457-2752

NO.	DATE	TYPE 1	DURATION (HOURS)	REASON 2	METHOD OF SHUTTING DOWN REACTOR	LICENSEE EVENT REPORT NO.	SYSTEM CODE 4	COMPONENT CODE 5	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
90-001	890909	S	4522.78	C	4		RC	Fuel XX	Refueling/Maintenance Outage
*This is a continuation of event 89-042.									

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



SRV FAILURE/CHALLENGES REPORT

DATE March 13, 1990

TIME OF OCCURRENCE 0535

DETAILS OF SRVs FAILURE:

SRV 2-B21-F013G was being tested in accordance with PT-11.1.2. SRV would not close. As per AOP-30, a manual scram was initiated at 0536. SRV 2-B21-F013G closed at 0537.

DOCKET NO.: 050-0325  
UNIT: Brunswick 1  
DATE: March 1990  
COMPLETED BY: Ronald Rumpke

OPERATIONS SUMMARY  
BRUNSWICK UNIT 1

Unit 1 operated at a 96.98% capacity factor and a 100% availability factor for the month of February 1990. There was one power reduction.

There are 1110 BWR and 150 PWR spent fuel bundles in the Brunswick Unit 1 fuel pool.