

CP&L CO
RUN DATE 12/04/89
RUN TIME 10:46:03

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 1

PAGE 1
RPD36-000

DOCKET NO. 050-0325
COMPLETED BY RONALD RUMPLE
TELEPHONE (919)457-2732

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 1	
2. REPORTING PERIOD: NOVEMBER 89	
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	8016.00	111384.00
12. NUMBER OF HOURS REACTOR CRITICAL	671.48	5005.29	72609.91
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	659.02	4825.52	69209.04
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1572424.36	11384835.03	147668681.05
17. GROSS ELEC. ENERGY GEN. (MWH)	519445.00	3738140.00	48468675.00
18. NET ELEC. ENERGY GENERATED (MWH)	504234.00	3604555.00	46604403.00
19. UNIT SERVICE FACTOR	91.53	60.20	62.14
20. UNIT AVAILABILITY FACTOR	91.53	60.20	62.14
21. UNIT CAP. FACTOR (USING MDC NET)	88.65	56.92	52.96
22. UNIT CAP. FACTOR (USING DER NET)	85.30	54.77	50.96
23. UNIT FORCED OUTAGE RATE	8.47	12.41	15.69
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: December 1989
COMPLETED BY: Ronald Rumble

OPERATIONS SUMMARY
BRUNSWICK UNIT 1

Unit 1 operated at a 88.65% capacity factor and a 91.53% availability factor for the month of November 1989. There were two power reductions and one off-line outage.

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

DOCKET NO.	050-0325
UNIT NAME	Brunswick 1
DATE	December 1989
COMPLETED BY	Ronald Rumble
TELEPHONE	919-457-2152

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
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DOCKET NO.	050-0325
UNIT NAME	Brunswick 1
DATE	December 1989
COMPLETED BY	Ronald Rumble
TELEPHONE	919-41 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
89-051	891116	F	60.98	A	1	1-89-23			Shutdown required as per Tech Specs due to loss of closed position indication on 1-CAC-X18F

- 5: EXHIBIT 1 -
Same source

DOCKET NO.	050-0325
UNIT NAME	Brunswick 1
DATE	December 1969
COMPLETED BY	Ronald Rumble
TELEPHONE	919-457-2152

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
89-055	R91119	S		D	5				Rod shuffle

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|--------------------------------|--|--|--|-------------------------------|
| 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 |
|--------------------------------|--|--|--|-------------------------------|

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PLANT PERFORMANCE DATA SYSTEM
APPENDIX B - AVERAGE DAILY POWER LEVEL
BRUNSWICK UNIT 2

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

NOVEMBER 1989

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

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PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 2

PAGE 2
RPD36-000

DOCKET NO. 050-0324
COMPLETED BY RONALD RUMPLE
TELEPHONE (919)437-2752

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 2	NOTES
2. REPORTING PERIOD: NOVEMBER 89	
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	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	720.00	8016.00	123408.00
12. NUMBER OF HOURS REACTOR CRITICAL	.00	5779.82	78550.11
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	.00	5763.99	74373.34
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	.00	13378732.21	155087394.36
17. GROSS ELEC. ENERGY GEN. (MWH)	.00	4348665.00	50172156.00
18. NET ELEC. ENERGY GENERATED (MWH)	-3413.00	4187733.00	48101942.00
19. UNIT SERVICE FACTOR	.00	71.91	60.27
20. UNIT AVAILABILITY FACTOR	.00	71.91	60.27
21. UNIT CAP. FACTOR (USING MDC NET)	-.60	66.13	49.34
22. UNIT CAP. FACTOR (USING DER NET)	-.58	63.63	47.48
23. UNIT FORCED OUTAGE RATE	.00	4.31	12.62
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: 02/23/90
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

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

DOCKET NO.	050-0324
UNIT NAME	Brunswick 2
DATE	December 1989
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
89-042	890909	S	in progress	C	4 Note: Continued from previous month		RC	Fuel XX	Refueling/Maintenance Outage

- 5: EXHIBIT 1 -
Same source

CP&L CO
RUN DATE 12/04/89
RUN TIME 10:46:00

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

NOVEMBER 1989

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	781	17	-13
2	780	18	-12
3	782	19	603
4	782	20	740
5	775	21	779
6	782	22	779
7	782	23	780
8	782	24	781
9	781	25	784
10	782	26	762
11	764	27	784
12	759	28	783
13	781	29	783
14	781	30	784
15	782		
16	215		