

CP&L CO
RUN DATE 10/04/88
RUN TIME 09:39:01

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

PAGE 1
RPD39-000

DOCKET NO. 050-0325
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-2756

SEPTEMBER 1988

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	636	17	618
2	635	18	622
3	616	19	619
4	644	20	616
5	636	21	612
6	635	22	611
7	613	23	609
8	481	24	594
9	620	25	606
10	638	26	602
11	637	27	603
12	633	28	600
13	631	29	599
14	626	30	597
15	623		
16	620		

1.16 - 8

8810120140 880930
PDR ADOCK 05000324
R PDC

Flw
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CP&L CO
 RUN DATE 10/04/88
 RUN TIME 09:39:03

PLANT PERFORMANCE DATA SYSTEM
 OPERATING DATA REPORT
 BRUNSWICK UNIT 1

PAGE 1
 BFD36-000

DOCKET NO. 050-0325
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-2756

OPERATING STATUS

- | 1. UNIT NAME: BRUNSWICK UNIT 1 | NOTES |
|---|-------|
| 2. REPORTING PERIOD: SEPTEMBER 88 | |
| 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	6575.00	101159.00
12. NUMBER OF HOURS REACTOR CRITICAL	720.00	5698.52	66642.41
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	720.00	5588.37	63456.00
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1459337.44	12627300.27	134606736.03
17. GROSS ELEC. ENERGY GEN. (MWH)	459350.00	4095315.60	44204265.00
18. NET ELEC. ENERGY GENERATED (MWH)	442352.00	3957113.00	42502084.00
19. UNIT SERVICE FACTOR	100.00	84.99	62.73
20. UNIT AVAILABILITY FACTOR	100.00	84.99	62.73
21. UNIT CAP. FACTOR (USING HDC NET)	77.77	76.18	53.18
22. UNIT CAP. FACTOR (USING DER NET)	74.83	73.31	51.18
23. UNIT FORCED OUTAGE RATE	.00	3.45	16.06
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)			

Refueling/Maintenance Outage - 11-12-88 - 1-20-89

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: October 1988
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY
BRUNSWICK UNIT 1

Brunswick Unit 1 operated at a 77.77% capacity factor and a 100% availability factor for the month of September 1988. There was one power reduction. Unit 1 is in core coastdown for refueling/maintenance outage on November 12, 1988.

There are 1016 BWR and 160 PWR spent fuel bundles in the Brunswick Unit 1 fuel pool.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. G50-0325
 UNIT NAME Brunswick 1
 DATE October 1988
 COMPLETED BY Frances Harrison
 TELEPHONE 919-457-2756

REPORT MONTH September 1988

No.	Date	Type 1	Duration (Hours)	Reason 2	Method of Shutting Down Reactor 3	Licensee Event Report No.	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
88062	880723	S	In Progress		5				Core coastdown

1
 F - Forced
 S - Sched

2
 A - Equip failure
 B - Maint or test
 C - Refueling
 D - Regulatory restriction
 E - Operator Training &
 License Examination

F - Admin
 G - Oper error
 H - Other

3
 1 - Manual
 2 - Manual scram
 3 - Auto scram
 4 - Continuations
 5 - Load Reductions
 6 - Other

4
 Exhibit G
 Instructions for Preparation
 of Data Entry Sheet Licensee
 Event Report (LER) File
 (NUREG-0161)

5
 Exhibit 1 - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE October 1988
 COMPLETED BY Frances Harrison
 TELEPHONE 919-457-2756

REPORT MONTH September 1988

No.	Date	Type 1	Duration [Hours]	Reason 2	Method of Shutting Down Reactor 3	Licensee Event Report No.	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
88066	880907	F	.00	A	5				Power reduction to remove 1A heater drain pump from service to work on the motor bearing oil system.

1
 F - Forced
 S - Sched

2
 A - Equip failure
 B - Maint or test
 C - Refueling
 D - Regulatory restriction
 E - Operator Training & License Examination

F - Admin
 G - Oper error
 H - Other

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 1 - Manual
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 4 - Continuations
 5 - Load Reductions
 6 - Other

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 Exhibit G
 Instructions for Preparation
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 Event Report (LER) File
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5
 Exhibit 1 - Same Source

CP&L CO
RUN DATE 10/04/88
RUN TIME 09:39:01

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

PAGE 2
RP039-000

DOCKET NO. 050-0324
COMPLETED BY FRANCES HARRISON
TELEPHONE (919) 357-2756

SEPTEMBER 1988

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	774	17	763
2	774	18	776
3	659	19	588
4	420	20	694
5	688	21	773
6	771	22	775
7	777	23	773
8	775	24	710
9	778	25	773
10	753	26	774
11	701	27	775
12	774	28	774
13	775	29	774
14	775	30	775
15	773		
16	776		

DOCKET NO. 050-0324
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-2754

OPERATING STATUS

- | 1. UNIT NAME: BRUNSWICK UNIT 2 | NOTES |
|---|-------|
| 2. REPORTING PERIOD: SEPTEMBER 88 | |
| 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	6575.00	113183.00
12. NUMBER OF HOURS REACTOR CRITICAL	720.00	3491.99	79616.49
13. REACTOR RESERVE SHUTDOWN HRS	.80	.00	.00
14. HOURS GENERATOR ON LINE	720.00	3234.97	66481.15
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1687861.53	7335080.53	135620867.62
17. GROSS ELEC. ENERGY GEN. (MWH)	552720.00	2402065.00	44143736.00
18. NET ELEC. ENERGY GENERATED (MWH)	533765.00	2293412.00	42285999.00
19. UNIT SERVICE FACTOR	100.00	49.20	58.74
20. UNIT AVAILABILITY FACTOR	100.00	49.20	58.74
21. UNIT CAP. FACTOR (USING MDC NET)	93.84	44.15	47.29
22. UNIT CAP. FACTOR (USING DER NET)	90.39	42.49	45.51
23. UNIT FORCED OUTAGE RATE	.00	8.59	13.53
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 2
DATE: October 1988
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY
BRUNSWICK UNIT 2

Brunswick Unit 2 operated at a 93.84% capacity factor and a 100% availability factor for the month of September 1988. There were four power reductions.

There are 940 BWR and 144 PWR spent fuel bundles in the Brunswick Unit 2 fuel pool.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE October 1988
 COMPLETED BY Frances Harrison
 TELEPHONE 919-457-2756

REPORT MONTH September 1988

No.	Date	Type 1	Duration [Hours]	Reason 2	Method of Shutting Down Reactor 3	Licensee Event Report No.	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
88047	880903	F	.00	A	5				Power reduction for condenser tube leak repair.

1
 F - Forced
 S - Sched

2
 A - Equip failure
 B - Maint or test
 C - Refueling
 D - Regulatory restriction
 E - Operator Training &
 License Examination

3
 F - Admin
 G - Oper error
 H - Other

4
 1 - Manual
 2 - Manual scram
 3 - Auto scram
 4 - Continuations
 5 - Load Reductions
 6 - Other

4
 Exhibit C
 Instructions for Preparation
 of Data Entry Sheet Licenses
 Event Report (LER) File
 (NUREG-0161)

5
 Exhibit 1 - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0324
 UNIT NAME BRUNSWICK 2
 DATE October 1988
 COMPLETED BY Frances Harrison
 TELEPHONE 919-457-2756

REPORT MONTH September 1988

Unit No.	Type 1	Duration (Hours)	Reason 2	Method of Shutting Down Reactor 3	Licensee Event Report No.	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
2910	S	.00	B	5				Power reduction for debris filter backwash and routine valve testing.

- 1 F - For Sched
 S - Sched
- 2 A - Equip failure
 B - Main or test
 C - Refueling
 D - Regulatory restriction
 E - Operator Training & License Examination
- 3 F - Admin
 G - Oper error
 H - Other
- 4 Exhibit G
 Instructions for Preparation of Data Entry Sheet Licensee Event Report (LER) File (NUREG-0161)
- 5 Exhibit 1 - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE October 1988
 COMPLETED BY Frances Harrison
 TELEPHONE 919-57-2756

REPORT MONTH September 1988

No.	Date	Type 1	[Duration] (Hours)	Reason 2	Method of Shutting Down Reactor 3	Licensee Event Report No.	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
88052	880919	F	.00	A	5				Power reduction for B/N condenser tube leak repair.

1
 F - Forced
 S - Sched

2
 A - Equip failure
 B - Maint or test
 C - Refueling
 D - Regulatory restriction
 E - Operator Training &
 License Examination

F - Admin
 G - Oper error
 H - Other

3
 1 - Manual
 2 - Manual scram
 3 - Auto scram
 4 - Continuations
 5 - Load Reductions
 6 - Other

4
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 Instructions for Preparation
 of Data Entry Sheet Licensee
 Event Report (LER) File
 (NUREG-0161)

5
 Exhibit 1 - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0324
 UNIT NAME Brunswick 11
 DATE October 1988
 COMPLETED BY Frances Harrison
 TELEPHONE 919-457-2756

REPORT MONTH _____

No.	Date	Type 1	Duration (Hours)	Reason 2	Method of Shutting Down Reactor 3	Licensee Event Report No.	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
88 053	880924	S	.00	B	5				Power reduction for Backwashing A-S waterbox

1
 F - Forced
 S - Sched

2
 A - Equip failure
 B - Maint or test
 C - Refueling
 D - Regulatory restriction
 E - Operator Training & License Examination

3
 F - Admin
 J - Oper error
 H - Other

4
 1 - Manual
 2 - Manual scram
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 4 - Continuations
 5 - Load Reductions
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5
 4
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 (NUREG-0161)
 5
 Exhibit 1 - Same Source



Carolina Power & Light Company

Brunswick Steam Electric Plant
P. C. Box 10429
Southport, NC 28461-0429

October 5, 1988

FILE: B09-13510C
SERIAL: BSEP/88-1021

U.S. Nuclear Regulatory Commission
Washington, DC 20555
Attn: Document Control Desk

BRUNSWICK STEAM ELECTRIC PLANT UNITS 1 AND 2
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62
MONTHLY OPERATING REPORT

Dear Mr. Scroggins:

In accordance with Technical Specification 6.9.1.6 for the Brunswick Steam Electric Plant, Units 1 and 2, Carolina Power & Light Company herewith submits the report of operating statistics and shutdown experience for the month of September 1988.

Very truly yours,

J. L. Harness, General Manager
Brunswick Steam Electric Plant

MW/ah
MSC/85-0014

Enclosures

cc: Mr. M. R. Beebe
Mr. T. C. Bell
Dr. J. N. Grace
Ms. F. E. Harrison
Mr. M. D. Hill
Mr. P. W. Howe
Mr. L. S. Mull
Mr. F. Murray
Mr. W. R. Murray
Mr. R. G. Oehl
Mr. W. H. Ruland
Mr. R. M. Scroggins
Ms. H. M. Shaver
Ms. D. J. Vicks
INPO

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