

# CP&L

Carolina Power & Light Company

Brunswick Nuclear Plant  
P. O. Box 10429  
Southport, NC 28461-0429  
July 6, 1993

FILE: B09-13510C  
BSEP/93-0105

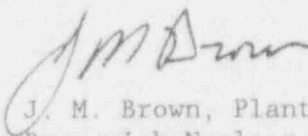
U. S. Nuclear Regulatory Commission  
Washington, DC 20555  
Attn: Document Control Desk

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

Gentlemen:

In accordance with Technical Specification 6.9.1.11 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 June 1993.

Very truly yours,



J. M. Brown, Plant Manager - Unit 1  
Brunswick Nuclear Plant

RHR/bc  
MSC/93-8524

Enclosures

cc: Mr. R. A. Anderson	Mr. R. G. Oehl
Mr. T. C. Bell	Mr. R. M. Parsons
Mr. R. M. Coats	Mr. R. L. Prevatte
Mr. S. D. Ebnetter	Mr. E. Scott
Mr. P. S. Gore	Mr. M. S. Staton
Ms. E. M. Harrelson	Ms. T. A. Ward
Mr. M. D. Hill	Mr. C. C. Warren
Mr. C. S. Hinnant	Mr. D. B. Waters
Mr. N. B. Le	Mr. F. Yost
Ms. Peggy Morris	INPO
Mr. W. R. Murray	Regulatory Compliance (Document File)

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RUN DATE 07/01/93  
RUN TIME 15:16:21

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

JUNE 1993

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

CP&L CO  
 RUN DATE 07/06/93  
 RUN TIME 15:41:27

PLANT PERFORMANCE DATA SYSTEM  
 OPERATING DATA REPORT  
 BRUNSWICK UNIT 1

PAGE 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: JUNE 93  |       |
| 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): 791.0   |       |
| 7. MAX DEPENDABLE CAPACITY (NET MWE): 767.0   |       |
| 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	4343.00	142775.00
12. NUMBER OF HOURS REACTOR CRITICAL	.00	.00	87881.32
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	.00	.00	84201.37
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	.00	.00	183021943.70
17. GROSS ELEC. ENERGY GEN. (MWH)	.00	.00	60019285.00
18. NET ELEC. ENERGY GENERATED (MWH)	-4295.00	-36452.00	57680754.00
19. UNIT SERVICE FACTOR	.00	.00	58.97
20. UNIT AVAILABILITY FACTOR	.00	.00	58.97
21. UNIT CAP. FACTOR (USING MDC NET)	-.78	-1.09	51.37
22. UNIT CAP. FACTOR (USING DER NET)	-.73	-1.02	49.21
23. UNIT FORCED OUTAGE RATE	.00	.00	16.07
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: 9/23/93  
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

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

DOCKET NO. 050-0325  
 UNIT NAME Brunswick 1  
 DATE July 1993  
 COMPLETED BY Ronald Rumpole  
 TELEPHONE 919-457-2752

UNIT SHUTDOWNS AND POWER REDUCTIONS  
 REPORT MONTH June 1993

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
93-002	930308	S	720.0	C	6	N/A	ZZ	ZZZZZZ	normal refueling outage.

- 1: Type  
 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 - Automatic Scram  
 3 - Automatic scram  
 4 - Continuations  
 5 - Load reductions  
 6 - Other
- 4: System Code:  
 Instruction for preparation of data entry sheets for Licensee Event Report (LER) file from IEEE Standard 805-1983, per NUREG-1022, Section VI, Item 13.b
- 5: Component Code  
 Instructions for preparation of data entry sheets for LER file from IEEE Standard 803A-1983, per NUREG-1022, Section VI, Item 13.c

CP&L CO  
RUN DATE 07/01/93  
RUN TIME 15:16:21

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

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RPD39-000

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

JUNE 1993

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	770	17	768
2	772	18	768
3	771	19	768
4	770	20	763
5	770	21	767
6	768	22	768
7	773	23	767
8	772	24	769
9	769	25	770
10	769	26	769
11	767	27	764
12	764	28	766
13	480	29	766
14	765	30	766
15	767		
16	768		

CP&L CO  
 RUN DATE 07/01/93  
 RUN TIME 15:16:22

PLANT PERFORMANCE DATA SYSTEM  
 OPERATING DATA REPORT  
 BRUNSWICK UNIT 2

PAGE 2  
 RPD36-000

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

OPERATING STATUS

- |   | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 2  |       |
| 2. REPORTING PERIOD: JUNE 93  |       |
| 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): 782.0   |       |
| 7. MAX DEPENDABLE CAPACITY (NET MWE): 754.0   |       |
| 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	4343.00	154799.00
12. NUMBER OF HOURS REACTOR CRITICAL	720.00	1498.30	93589.68
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	720.00	1108.78	88263.45
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1731855.69	2304814.58	186431669.44
17. GROSS ELEC. ENERGY GEN. (MWH)	561890.00	735025.00	60285494.00
18. NET ELEC. ENERGY GENERATED (MWH)	546103.00	682540.00	57730100.00
19. UNIT SERVICE FACTOR	100.00	25.53	57.02
20. UNIT AVAILABILITY FACTOR	100.00	25.53	57.02
21. UNIT CAP. FACTOR (USING MDC NET)	100.59	20.84	47.51
22. UNIT CAP. FACTOR (USING DER NET)	92.38	19.14	45.42
23. UNIT FORCED OUTAGE RATE	.00	.00	13.36
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 NAME Brunswick 2  
 DATE July 1993  
 COMPLETED BY Ronald Rumble  
 TELEPHONE 919-457-2752

UNIT SHUTDOWNS AND POWER REDUCTIONS  
 REPORT MONTH June 1993

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
93-012	930612	S	24.83	B	5	N/A	SN	LCV	Reduced power to perform control valve testing and maintenance on various BOP equipment. Repaired 4A Feedwater Heater Dump Valve 2-HD-LV-75. Trouble was caused by the valve stem backing out of the split coupling which was loose. This caused the valve stroke to be shorter than required by 3/4". Tightened the split coupling, set valve stroke, and returned the valve to functional status.

\*This event was previously 92-025.

- |                             |  |  |  |  |
|-----------------------------|--|--|--|--|
| 1: <u>Type</u>              | 2: <u>Reason</u>   | 3: <u>Method</u>   | 4: <u>System Code</u>  | 5: <u>Component Code</u>   |
| F - Forced<br>S - Scheduled | A - Equipment Failure (explain)<br>B - Maintenance or test<br>C - Refueling<br>D - Regulatory restriction<br>E - Operator Training & License Examination<br>F - Administrative<br>G - Operational error (explain)<br>H - Other (explain) | 1 - Manual<br>2 - Manual Scram<br>3 - Automatic scram<br>4 - Continuations<br>5 - Load reductions<br>6 - Other | Instruction for preparation of data entry sheets for Licensee Event Report (LER) file from IEEE Standard 805-1983, per NUREG-1022, Section VI, Item 13.b | Instructions for preparation of data entry sheets for LER file from IEEE Standard 803A-1983, per NUREG-1022, Section VI, Item 13.c |