



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

FEB 09 1995

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BSEP/95-0058

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

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 Nuclear Plant, Units 1 and 2, Carolina Power & Light Company herewith submits the report of operating statistics and shutdown experience for the month of January 1995.

Very truly yours,

W. Levis, Plant Manager - Unit 1  
Brunswick Nuclear Plant

FH/mcg  
MSC/93-8524

cc: Mr. S. D. Ebnetter, Regional Administrator, Region II  
Mr. P. D. Milano, NRR Project Manager - Brunswick Units 1 and 2  
Mr. C. A. Patterson, Brunswick NRC Senior Resident Inspector  
The Honorable H. Wells, Chairman - North Carolina Utilities Commission  
File B-X-0520.2

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CP&L CO  
RUN DATE 02/02/95  
TIME 15:16:27

PLANT PERFORMANCE DATA SYSTEM  
OPERATING DATA REPORT  
BRUNSWICK UNIT 1

PAGE 1  
RPD36-000

DOCKET NO. 050-0325  
COMPLETED BY FRANCES HARRISON  
TELEPHONE (910)457-2756

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 1
2. REPORTING PERIOD: JANUARY 95
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

NOTES

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<br>MONTH | YR TO<br>DATE | CUMUL<br>ATIVE |
|---|---------------|---------------|----------------|
| 11. HOURS IN REPORTING PERIOD   | 744.00        | 744.00        | 156696.00      |
| 12. NUMBER OF HOURS REACTOR CRITICAL  | 744.00        | 744.00        | 96615.32       |
| 13. REACTOR RESERVE SHUTDOWN HRS  | .00           | .00           | 1647.10        |
| 14. HOURS GENERATOR ON LINE   | 744.00        | 744.00        | 92700.99       |
| 15. UNIT RESERVE SHUTDOWN HOURS   | .00           | .00           | .00            |
| 16. GROSS THERMAL ENERGY GEN. (MWH)   | 1797925.85    | 1797925.85    | 203333652.74   |
| 17. GROSS ELEC. ENERGY GEN. (MWH)   | 600565.00     | 600565.00     | 66760290.00    |
| 18. NET ELEC. ENERGY GENERATED (MWH)  | 584170.00     | 584170.00     | 64183209.00    |
| 19. UNIT SERVICE FACTOR   | 100.00        | 100.00        | 59.16          |
| 20. UNIT AVAILABILITY FACTOR  | 100.00        | 100.00        | 59.16          |
| 21. UNIT CAP. FACTOR (USING MDC NET)  | 102.37        | 102.37        | 52.20          |
| 22. UNIT CAP. FACTOR (USING DER NET)  | 95.64         | 95.64         | 49.89          |
| 23. UNIT FORCED OUTAGE RATE   | .00           | .00           | 14.83          |
| 24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): |               |               |                |

Unit 1 is scheduled for 55 days Refueling Outage - 4/1/95-5/25/95.

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

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INITIAL ELECTRICITY

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COMMERCIAL OPERATION

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CP&L CO  
RUN DATE 02/02/95  
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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 (910)457-2756

JAN /AFY 1995

| DAY | AVG. DAILY POWER LEVEL<br>(MWE-NET) | DAY | AVG. DAILY POWER LEVEL<br>(MWE-NET) |
|-----|-------------------------------------|-----|-------------------------------------|
| 1   | 776                                 | 17  | 793                                 |
| 2   | 791                                 | 18  | 792                                 |
| 3   | 791                                 | 19  | 791                                 |
| 4   | 792                                 | 20  | 792                                 |
| 5   | 791                                 | 21  | 792                                 |
| 6   | 791                                 | 22  | 793                                 |
| 7   | 792                                 | 23  | 793                                 |
| 8   | 790                                 | 24  | 793                                 |
| 9   | 791                                 | 25  | 789                                 |
| 10  | 791                                 | 26  | 792                                 |
| 11  | 790                                 | 27  | 793                                 |
| 12  | 792                                 | 28  | 643                                 |
| 13  | 791                                 | 29  | 781                                 |
| 14  | 791                                 | 30  | 793                                 |
| 15  | 789                                 | 31  | 793                                 |
| 16  | 771                                 |     |                                     |

DOCKET NO. 050-0325  
 UNIT NAME Brunswick I  
 DATE February 1995  
 COMPLETED BY Francis Harrison  
 TELEPHONE 910-457-2756

UNIT SHUTDOWNS AND POWER REDUCTIONS  
 REPORT MONTH January 1995

| 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  |
|--------|---------|----------|------------------|------------|-------------------------------------|---------------------------|-----------------|--------------------|--|
| 9E 007 | 1/28/95 | S        | 0                | B          | 5                                   | N/A                       | SN              | LCV                | Reduced power to 65% for Large Valve Testing, Rod Improvement, and Scram Time Testing. |

- 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 - Manual Scram  
 3 - Automatic scram  
 4 - Continuations  
 5 - Load reductions  
 6 - Other
- 4: System Code  
 Instructions 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 02/02/95  
RUN TIME 15:16:27

PLANT PERFORMANCE DATA SYSTEM  
OPERATING DATA REPORT  
BRUNSWICK UNIT 2

PAGE 2  
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DOCKET NO. 050-0324  
COMPLETED BY FRANCES HARRISON  
TELEPHONE (910)457-2756

OPERATING STATUS

- |   | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 2  |       |
| 2. REPORTING PERIOD: JANUARY 95   |       |
| 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<br>MONTH | YR TO<br>DATE | CUMUL<br>ATIVE |
|---|---------------|---------------|----------------|
| 11. HOURS IN REPORTING PERIOD   | 744.00        | 744.00        | 168720.00      |
| 12. NUMBER OF HOURS REACTOR CRITICAL  | 744.00        | 744.00        | 105299.70      |
| 13. REACTOR RESERVE SHUTDOWN HRS  | .00           | .00           | .00            |
| 14. HOURS GENERATOR ON LINE   | 744.00        | 744.00        | 99861.71       |
| 15. UNIT RESERVE SHUTDOWN HOURS   | .00           | .00           | .00            |
| 16. GROSS THERMAL ENERGY GEN. (MWH)   | 1795891.31    | 1795891.31    | 214046227.81   |
| 17. GROSS ELEC. ENERGY GEN. (MWH)   | 585730.00     | 585730.00     | 69235351.00    |
| 18. NET ELEC. ENERGY GENERATED (MWH)  | 569093.00     | 569093.00     | 66402352.00    |
| 19. UNIT SERVICE FACTOR   | 100.00        | 100.00        | 59.19          |
| 20. UNIT AVAILABILITY FACTOR  | 100.00        | 100.00        | 59.19          |
| 21. UNIT CAP. FACTOR (USING MDC NET)  | 101.45        | 101.45        | 50.30          |
| 22. UNIT CAP. FACTOR (USING DER NET)  | 93.17         | 93.17         | 47.94          |
| 23. UNIT FORCED OUTAGE RATE   | .00           | .00           | 12.00          |
| 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 | ----- | ----- |

CP&L CO  
RUN DATE 02/02/95  
RUN TIME 15:16:26

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

PAGE 2  
RPD39-000

DOCKET NO. 050-0324  
COMPLETED BY FRANCES HARRISON  
TELEPHONE (910)457-2756

JANUARY 1995

| DAY | AVG. DAILY POWER LEVEL<br>(MWE-NET) | DAY | AVG. DAILY POWER LEVEL<br>(MWE-NET) |
|-----|-------------------------------------|-----|-------------------------------------|
| 1   | 773                                 | 17  | 771                                 |
| 2   | 773                                 | 18  | 771                                 |
| 3   | 772                                 | 19  | 771                                 |
| 4   | 773                                 | 20  | 771                                 |
| 5   | 773                                 | 21  | 770                                 |
| 6   | 773                                 | 22  | 771                                 |
| 7   | 573                                 | 23  | 771                                 |
| 8   | 769                                 | 24  | 772                                 |
| 9   | 772                                 | 25  | 758                                 |
| 10  | 772                                 | 26  | 771                                 |
| 11  | 772                                 | 27  | 772                                 |
| 12  | 773                                 | 28  | 771                                 |
| 13  | 772                                 | 29  | 773                                 |
| 14  | 772                                 | 30  | 773                                 |
| 15  | 772                                 | 31  | 772                                 |
| 16  | 770                                 |     |                                     |

DOCKET NO. 050-0324  
 UNIT NAME Brunswick II  
 DATE February 1995  
 COMPLETED BY Frances Harrison  
 TELEPHONE 910-457-2756

UNIT SHUTDOWNS AND POWER REDUCTIONS  
 REPORT MONTH January 1995

| 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   |
|--------|---------|----------|------------------|------------|-------------------------------------|---------------------------|-----------------|--------------------|---|
| 95-002 | 1/07/95 | S        | 0                | B          | 5                                   | N/A                       | AD              | MG                 | Reduced power to 35% to changeout Recirculation MG Set Brushes, MSIV and Turbine Valve Testing.   |
| 95-006 | 1/25/95 | F        | 0                | A          | 5                                   | N/A                       | EG              | GENERG             | As a result of the voltage transient at Delco East, one of the two recirculation pumps on Unit 2 "ran back," or reduced the speed at which it was turning. This reduced the power output of the unit from 100 percent power to about 75 percent power. Stabilized the system and returned Unit 2 to 100% power. |

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 - Manual Scram  
 3 - Automatic scram  
 4 - Continuations  
 5 - Load reductions  
 6 - Other

4: System Code:  
 Instructions 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