

APPENDIX B  
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325  
UNIT BRUNSWICK UNIT 1  
DATE 07/06/83  
COMPLETED BY FRANCES HARRISON  
TELEPHONE (919)457-9521

JUNE 1983

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

IE24  
1/1

# OPERATING DATA REPORT

DOCKET NO. 050-0325  
 DATE 07/06/83  
 COMPLETED BY FRANCES HARRISON  
 TELEPHONE (919)457-9521

## OPERATING STATUS

|   | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 1  |       |
| 2. REPORTING PERIOD: JUNE 83  |       |
| 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     | 4343.00    | 55104.00    |
| 12. NUMBER OF HOURS REACTOR CRITICAL  | .00        | .00        | 33888.47    |
| 13. REACTOR RESERVE SHUTDOWN HRS  | .00        | .00        | 1647.10     |
| 14. HOURS GENERATOR ON LINE   | .00        | .00        | 31970.03    |
| 15. UNIT RESERVE SHUTDOWN HOURS   | .00        | .00        | .00         |
| 16. GROSS THERMAL ENERGY GEN. (MWH)   | .00        | .00        | 63896018.86 |
| 17. GROSS ELEC. ENERGY GEN. (MWH)   | .00        | .00        | 21062188.00 |
| 18. NET ELEC. ENERGY GENERATED (MWH)  | -4966.00   | -22749.00  | 20202370.00 |
| 19. UNIT SERVICE FACTOR   | .00        | .00        | 58.02       |
| 20. UNIT AVAILABILITY FACTOR  | .00        | .00        | 58.02       |
| 21. UNIT CAP. FACTOR (USING MDC NET)  | -.87       | -.66       | 46.41       |
| 22. UNIT CAP. FACTOR (USING DER NET)  | -.84       | -.64       | 44.66       |
| 23. UNIT FORCED OUTAGE RATE   | .00        | .00        | 24.03       |
| 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: 07/22/83  
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1983DOCKET NO. 050-325UNIT NAME Brunswick No. 1DATE July 1983COMPLETED BY Frances HarrisonTELEPHONE (919)457-9521

| No.   | Date   | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting<br>Down Reactor <sup>3</sup> | Licensee<br>Event<br>Report # | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause & Corrective<br>Action to<br>Prevent Recurrence |
|-------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 83116 | 821211 | S                 | 720                 | C                   | 4  | NA                            | RC                          | FUELXX                         | Refueling/Maintenance Outage                          |

<sup>1</sup>  
F: Forced  
S: Scheduled

<sup>2</sup>  
Reason:  
A-Equipment Failure (Explain)  
B-Maintenance of Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Examination  
F-Administrative  
G-Operational Error (Explain)  
H-Other (Explain)

<sup>3</sup>  
Method:  
1-Manual  
2-Manual Scram.  
3-Automatic Scram.  
4-Continuations  
5-Load Reductions  
6-Other

<sup>4</sup>  
Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER) File (NUREG-  
0161)

<sup>5</sup>  
Exhibit I - Same Source

## APPENDIX

DOCKET NO.: 050-325  
UNIT: Brunswick No. 1  
DATE: July 1983  
COMPLETED BY: Frances Harrison

### OPERATIONS SUMMARY BRUNSWICK UNIT NO. 1

Brunswick Unit No. 1 was shutdown the entire month of June for a refueling/maintenance outage.

There are 656 BWR and 160 PWR spent fuel bundles in the Brunswick No. 1 fuel pool.

APPENDIX B  
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324  
UNIT BRUNSWICK UNIT 2  
DATE 07/05/83  
COMPLETED BY FRANCES HARRISON  
TELEPHONE (919)457-9521

JUNE 1983

| DAY | AVG. DAILY POWER LEVEL<br>(MWE-NET) | DAY | AVG. DAILY POWER LEVEL<br>(MWE-NET) |
|-----|-------------------------------------|-----|-------------------------------------|
| 1   | 774                                 | 17  | 704                                 |
| 2   | 595                                 | 18  | 700                                 |
| 3   | -15                                 | 19  | 750                                 |
| 4   | -17                                 | 20  | 418                                 |
| 5   | 277                                 | 21  | -13                                 |
| 6   | 193                                 | 22  | -12                                 |
| 7   | 370                                 | 23  | -11                                 |
| 8   | 464                                 | 24  | -11                                 |
| 9   | 713                                 | 25  | -14                                 |
| 10  | 736                                 | 26  | 243                                 |
| 11  | 650                                 | 27  | 610                                 |
| 12  | 366                                 | 28  | 649                                 |
| 13  | 642                                 | 29  | 648                                 |
| 14  | 724                                 | 30  | 482                                 |
| 15  | 725                                 |     |                                     |
| 16  | 726                                 |     |                                     |

# OPERATING DATA REPORT

POCKET NO. 050-0324  
 DATE 07/06/83  
 COMPLETED BY FRANCES HARRISON  
 TELEPHONE (919)457-9521

## OPERATING STATUS

|   | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 2  |       |
| 2. REPORTING PERIOD: JUNE 83  |       |
| 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     | 4343.00    | 67128.00    |
| 12. NUMBER OF HOURS REACTOR CRITICAL  | 568.41     | 3189.81    | 41965.93    |
| 13. REACTOR RESERVE SHUTDOWN HRS  | .00        | .00        | .00         |
| 14. HOURS GENERATOR ON LINE   | 531.02     | 3015.26    | 39166.00    |
| 15. UNIT RESERVE SHUTDOWN HOURS   | .00        | .00        | .00         |
| 16. GROSS THERMAL ENERGY GEN. (MWH)   | 1000552.90 | 6345039.47 | 72642022.83 |
| 17. GROSS ELEC. ENERGY GEN. (MWH)   | 327173.00  | 2127839.00 | 24144531.00 |
| 18. NET ELEC. ENERGY GENERATED (MWH)  | 313526.00  | 2048847.00 | 23140773.00 |
| 19. UNIT SERVICE FACTOR   | 73.75      | 69.43      | 58.35       |
| 20. UNIT AVAILABILITY FACTOR  | 73.75      | 69.43      | 58.35       |
| 21. UNIT CAP. FACTOR (USING MDC NET)  | 55.12      | 59.72      | 43.64       |
| 22. UNIT CAP. FACTOR (USING DER NET)  | 53.04      | 57.46      | 41.99       |
| 23. UNIT FORCED OUTAGE RATE   | 26.25      | 8.44       | 16.22       |
| 24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): |            |            |             |

Maintenance/Condenser 9-3-83 22 Weeks

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1983

DOCKET NO. 050-325  
 UNIT NAME Brunswick No. 2  
 DATE July 1983  
 COMPLETED BY Frances Harrison  
 TELEPHONE (919)457-9521

| No.    | Date   | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting<br>Down Reactor <sup>3</sup> | Licensee<br>Event<br>Report # | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause & Corrective<br>Action to<br>Prevent Recurrence  |
|--------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 83-050 | 830602 | F                 | 54.1                | A                   | 3  | NA                            | HA                          | GENERA                         | Rx scram-power load unbalance was tested light didn't go out and turbine tripped on load reject. |

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Continuations  
 5-Load Reductions  
 6-Other

<sup>4</sup>  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup>  
 Exhibit I - Same Source



# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1983

DOCKET NO. 050-325  
 UNIT NAME Brunswick No. 2  
 DATE July 1983  
 COMPLETED BY Frances Harrison  
 TELEPHONE (919)457-9521

| No.    | Date   | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting<br>Down Reactor <sup>3</sup> | Licensee<br>Event<br>Report # | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause & Corrective<br>Action to<br>Prevent Recurrence |
|--------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 83-052 | 830606 | F                 | .00                 | A                   | 5  | NA                            | CH                          | PUMPXX                         | Reduced power-"A" rx feedpump<br>oscillating.         |

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
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 Exhibit I - Same Source



# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1983

DOCKET NO. 050-325  
 UNIT NAME Brunswick No. 2  
 DATE July 1983  
 COMPLETED BY Frances Harrison  
 TELEPHONE (919)457-9521

| No.    | Date   | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting<br>Down Reactor <sup>3</sup> | Licensee<br>Event<br>Report # | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause & Corrective<br>Action to<br>Prevent Recurrence |
|--------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 83-055 | 830611 | F                 | .00                 | A                   | 5  | NA                            | HC                          | HTEXCH                         | Reduced power for waterbox work.                      |

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Continuations  
 5-Load Reductions  
 6-Other

<sup>4</sup>  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup>  
 Exhibit I - Same Source

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1983DOCKET NO. 050-325UNIT NAME Brunswick No. 2DATE July 1983COMPLETED BY Frances HarrisonTELEPHONE (919)457-9521

| No.    | Date   | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting<br>Down Reactor <sup>3</sup> | Licensee<br>Event<br>Report # | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause & Corrective<br>Action to<br>Prevent Recurrence  |
|--------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 83-062 | 830620 | F                 | 134.6               | A                   | 3  | NA                            | ZZ                          | ZZZZZZ                         | Rx scram on hi water level. (Drywell cooler cleaning and EHC oil leak repaired while unit is down) |

<sup>1</sup>F: Forced  
S: Scheduled<sup>2</sup>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)<sup>3</sup>Method:  
1-Manual  
2-Manual Scram.  
3-Automatic Scram.4-Continuations  
5-Load Reductions  
6-Other<sup>4</sup>Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER) File (NUREG-  
0161)<sup>5</sup>

Exhibit I - Same Source

## APPENDIX

DOCKET NO.: 050-324  
UNIT: Brunswick No. 2  
DATE: July 1983  
COMPLETED BY: Frances Harrison

### OPERATIONS SUMMARY BRUNSWICK UNIT NO. 2

Brunswick Unit No. 2 operated at 73.75% availability factor for the month of June with a 55.12% capacity factor. There were two scrams and two power reductions this month. They are detailed in Appendix D, the unit shut-downs and power reduction log.

There are 424 BWR and 144 PWR spent fuel bundles in the Brunswick No. 2 fuel pool.

S/RV FAILURE/CHALLENGES REPORT

UNIT 2

DATE: July 1983

TIME OF OCCURRENCE: \_\_\_\_\_

DETAILS OF S/RV's FAILURE: There were no challenges to main steam system  
safety/relief valves for the scram in May or the ones in June 1983.

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Carolina Power & Light Company

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

July 6, 1983

FILE: B09-13510C  
SERIAL: BSEP/83-2191

Mr. R. C. DeYoung - Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

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

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Dear Mr. DeYoung:

In accordance with Technical Specification 6.9.1.6 for the Brunswick Steam Electric Plant, Unit Nos. 1 and 2, Carolina Power & Light Company herewith submits the report of operating statistics and shutdown experience for the month of June 1983.

Very truly yours,

C. R. Dietz, General Manager  
Brunswick Steam Electric Plant

FH/ag

Enclosure

cc: Mr. J. P. O'Reilly  
Ms. J. C. Baker  
Mr. S. L. Rosen  
Ms. Mary Hodges

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