

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325
UNIT BRUNSWICK UNIT 1
DATE 06/01/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

MAY 1984

| DAY | AVG. DAILY POWER LEVEL (MWE-NET) | DAY | AVG. DAILY POWER LEVEL (MWE-NET) |
|-----|-------------------------------------|-----|-------------------------------------|
| 1 | 781 | 17 | 794 |
| 2 | 780 | 18 | 793 |
| 3 | 777 | 19 | 782 |
| 4 | 771 | 20 | 790 |
| 5 | 759 | 21 | 789 |
| 6 | 756 | 22 | 787 |
| 7 | 762 | 23 | 786 |
| 8 | 781 | 24 | 789 |
| 9 | 781 | 25 | 756 |
| 10 | 786 | 26 | 9 |
| 11 | 755 | 27 | -10 |
| 12 | 449 | 28 | -9 |
| 13 | 689 | 29 | -11 |
| 14 | 745 | 30 | -5 |
| 15 | 743 | 31 | 395 |
| 16 | 788 | | |

OPERATING DATA REPORT

DOCKET NO. 050-0325
 DATE 06/01/84
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

| | NOTES |
|-------------------------------------------------------------------------------------------|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 1 | |
| 2. REPORTING PERIOD: MAY 84 | |
| 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 | 744.00 | 3647.00 | 63168.00 |
| 12. NUMBER OF HOURS REACTOR CRITICAL | 652.43 | 3158.19 | 39556.17 |
| 13. REACTOR RESERVE SHUTDOWN HRS | .00 | .00 | 1647.10 |
| 14. HOURS GENERATOR ON LINE | 628.37 | 3062.45 | 37150.98 |
| 15. UNIT RESERVE SHUTDOWN HOURS | .00 | .00 | .00 |
| 16. GROSS THERMAL ENERGY GEN. (MWH) | 1425708.95 | 7146218.42 | 75573512.99 |
| 17. GROSS ELEC. ENERGY GEN. (MWH) | 479120.00 | 2391320.00 | 24938371.00 |
| 18. NET ELEC. ENERGY GENERATED (MWH) | 464091.00 | 2322861.00 | 23936701.00 |
| 19. UNIT SERVICE FACTOR | 84.46 | 83.97 | 58.81 |
| 20. UNIT AVAILABILITY FACTOR | 84.46 | 83.97 | 58.81 |
| 21. UNIT CAP. FACTOR (USING MDC NET) | 78.96 | 80.62 | 47.97 |
| 22. UNIT CAP. FACTOR (USING DER NET) | 75.98 | 77.58 | 46.16 |
| 23. UNIT FORCED OUTAGE RATE | 15.54 | 11.79 | 22.29 |
| 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:

APPENDIX

DOCKET NO.: 050-325
UNIT: Brunswick 1
DATE: May 1984
COMPLETED BY: Francis Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT 1

Brunswick Unit 1 operated at an 84.46% availability factor for the month of May with a 78.96% capacity factor. There was one off-line outage and one power reduction. Details are in Appendix D, the Unit Shutdown and Power Reduction Log.

There are 656 BWR and 160 PWR spent fuel bundles in the Brunswick Unit 1 fuel pool.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0325UNIT NAME Brunswick 1DATE June 1984COMPLETED BY Frances HarrisonTELEPHONE (919)457-9521REPORT MONTH May 1984

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|--------|--------|-------------------|---------------------|---------------------|----------------------------------------------------|-------------------------------|-----------------------------|--------------------------------|---------------------------------------------------------------------|
| 84-033 | S40511 | F | 00 | A | 5 | N/A | | | Reduced power for maintenance on 1B reactor feed pump and MD-V17 |

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0325UNIT NAME Brunswick 1DATE June 1984COMPLETED BY Frances HarrisonTELEPHONE (919)457-9521REPORT MONTH May 1984

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|--------|--------|-------------------|---------------------|---------------------|----------------------------------------------------|-------------------------------|-----------------------------|--------------------------------|-------------------------------------------------------|
| 84-038 | 840526 | F | 115.63 | B | 2 | N/A | XX | Vessel | Unit shutdown for drywell leakage maintenance. |

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

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0161)

⁵
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APPENDIX 3
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324
UNIT BRUNSWICK UNIT 2
DATE 06/01/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

| MAY 1984 | | | |
|----------|-------------------------------------|-----|-------------------------------------|
| DAY | AVG. DAILY POWER LEVEL (MWE-NET) | DAY | AVG. DAILY POWER LEVEL (MWE-NET) |
| 1 | -5 | 17 | -5 |
| 2 | -5 | 18 | -5 |
| 3 | -5 | 19 | -5 |
| 4 | -5 | 20 | -5 |
| 5 | -4 | 21 | -5 |
| 6 | -4 | 22 | -5 |
| 7 | -4 | 23 | -6 |
| 8 | -6 | 24 | -5 |
| 9 | -6 | 25 | -5 |
| 10 | -5 | 26 | -5 |
| 11 | -6 | 27 | -6 |
| 12 | -5 | 28 | -6 |
| 13 | -5 | 29 | -6 |
| 14 | -5 | 30 | -5 |
| 15 | -5 | 31 | -5 |
| 16 | -5 | | |

OPERATING DATA REPORT

DOCKET NO. 050-0324
 DATE 06/01/84
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

| | | | |
|-----------------------------------------------|--|-------|--|
| 1. UNIT NAME: BRUNSWICK UNIT 2 | | NOTES | |
| 2. REPORTING PERIOD: MAY 84 | | | |
| 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 | 744.00 | 3647.00 | 75192.00 |
| 12. NUMBER OF HOURS REACTOR CRITICAL | .00 | 1604.33 | 46331.75 |
| 13. REACTOR RESERVE SHUTDOWN HRS | .00 | .00 | .00 |
| 14. HOURS GENERATOR ON LINE | .00 | 1566.99 | 43352.46 |
| 15. UNIT RESERVE SHUTDOWN HOURS | .00 | .00 | .00 |
| 16. GROSS THERMAL ENERGY GEN. (MWH) | .00 | 3355120.34 | 81931841.36 |
| 17. GROSS ELEC. ENERGY GEN. (MWH) | .00 | 1110430.00 | 27220128.00 |
| 18. NET ELEC. ENERGY GENERATED (MWH) | -3893.00 | 1063222.00 | 26091040.00 |
| 19. UNIT SERVICE FACTOR | .00 | 42.97 | 57.66 |
| 20. UNIT AVAILABILITY FACTOR | .00 | 42.97 | 57.66 |
| 21. UNIT CAP. FACTOR (USING MDC NET) | -.66 | 36.90 | 43.92 |
| 22. UNIT CAP. FACTOR (USING DER NET) | -.64 | 35.51 | 42.26 |
| 23. UNIT FORCED OUTAGE RATE | .00 | 2.22 | 15.54 |
| 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): FORCAST ACHEIVED

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

APPENDIX

DOCKET NO.: 050-324
UNIT: Brunswick 2
DATE: May 1984
COMPLETED BY: Francis Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT 2

Brunswick Unit 2 off-line for refueling/maintenance outage. There are 580 BWR and 144 PWR spent fuel bundles in the Brunswick 2 fuel pool. 560 bundles have been moved to spent fuel pool during refueling; of these, 184 will remain in the pool when the core is reloaded.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0324UNIT NAME Brunswick 2DATE June 1984COMPLETED BY Frances HarrisonTELEPHONE (919)457-9521REPORT MONTH May 1984

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|--------|--------|-------------------|---------------------|---------------------|----------------------------------------------------|-------------------------------|-----------------------------|--------------------------------|-------------------------------------------------------|
| 84-020 | 840313 | S | In progress | C | 4 | N/A | RC | FUELXX | Refueling/maintenance outage |

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
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for Preparation of Data
Entry Sheets for Licensee
Event Report (LER) File (NUREG-
0161)

⁵
Exhibit I - Same Source

(9/77)



Carolina Power & Light Company

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

June 1, 1984

FILE: B09-13510C
SERIAL: BSEP/84-1431

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

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

Dear Mr. DeYoung:

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 May 1984.

Very truly yours,

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

FH/ag/LETJ05

Enclosures

cc: Ms. J. C. Baker
Mr. S. W. McDowell
Mr. J. P. O'Reilly
Mr. S. L. Rosen

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